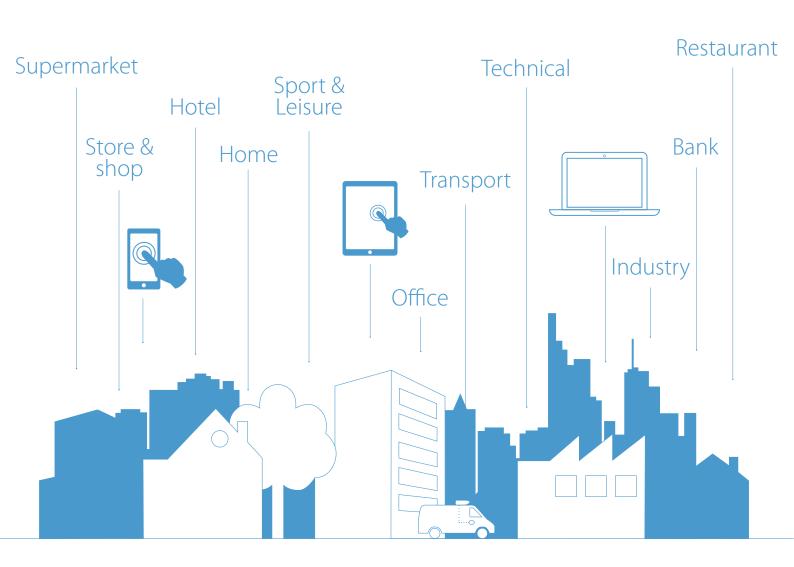






# Daikin world



Daikin Europe N.V. is a leading manufacturer and supplier of heating, ventilation, air conditioning, refrigeration and control systems for the residential, commercial and industrial markets.

With almost 100 years of experience, Daikin has been an integral part of the history of sustainable climate solutions, creating the environment that allows customers to fully enjoy the intended use of their space.

Daikin is committed to continuing its work at meeting any climate demand, whether it's in a home, office, factory or any other indoor environment.

Our high-quality products are built to deliver peace of mind by providing solutions for any indoor space.

Each unit also includes smart control, allowing you to access and control your unit anytime, from anywhere and using any device.

We also offer a reliable network of technical and on-site support services through our online portal. Through online and offline tools, we help you monitor and manage your system to keep it running seamlessly.

As a leading brand, Daikin creates an innovative environment that enables customers to fully enjoy the potential of their space.

For more information, please visit daikin.eu or explore our Business Portal at my.daikin.eu

# Building a sustainable legacy together

Air surrounds us all the time, and in fact our very existence depends on it. At Daikin, the future of the world's indoor air is our greatest concern.

Daikin envisions a world with healthier indoor air while reducing our environmental impact. Driven by a dedication to achieve net-zero  $\mathrm{CO}_2$  emissions by 2050, we provide healthy and comfortable spaces throughout the building life cycle using world-leading technology.

# Supporting decarbonization

We must act now to ensure we create a long-lasting legacy. As a company that values sustainability, we want to help decarbonize buildings and create a healthy environment for generations to come.

Taking on sustainable transformation, our solutions reduce the carbon footprint of buildings, whether they are new builds or renovations:

- Reusing existing refrigerant through L∞P Daikin: we utilize resources already available in the market, fully supporting the EU circular economy with a low carbon footprint
- If needed, we introduce virgin refrigerant through lower GWP refrigerants such as R-32, reducing the direct CO<sub>2</sub>eq impact
- Maximizing sustainability over the entire life cycle, thanks to market-leading real-life seasonal efficiencies
- Ensuring systems run efficiently 24/7 through smart controls

# Building for the future

As a Brand, Daikin exemplifies the personality of a Caring Leader, guided by its main principles of comfort, reliability, and sustainability.

Daikin's primary mission is to protect and nurture. Through its products, innovations and relationships, it aims to improve internal, external and personal environments, directly impacting people's lives.

Being a caring leader, Daikin takes pride in how its efforts to improve lives have influenced others in the industry. Daikin is constantly adapting and reinventing while simultaneously using its knowledge and experience to educate and guide others.

Reliability, support and precision are characteristics of our future-proof products and services.

#### We offer:

- A wide range of next-generation heat pumps to meet complex demands, including easy upgrading extending the lifetime of our equipment
- Expert indoor air quality solutions through our ventilation and filtration systems to eliminate pollutants and balance humidity levels

# A journey we take together

Together, we embark on the sustainability journey. We provide expert support throughout the building life cycle and offer peace of mind by ensuring what we do is future-proof and contributes to building a better future.

- Our team of experts goes beyond product support. Together, we help you reach your green objectives.
- We are there for you all the time: through our local customer support teams and e-commerce solutions.
- We're in it for the long term.
   We deliver what we commit to, providing clear and trustworthy data



# THE DAIKIN PROMISE

Providing the right environment to live, work and relax in has always been central to what we do at Daikin. We are proud of the way we research, design and manufacture cutting-edge, innovative products that fit seamlessly into our everyday lives. Our equipment operates for the benefit of all: silently, invisibly and unobtrusively making our homes, offices, factories, shopping centres, entertainment and leisure facilities places where we can feel happy, comfortable and at ease.

Daikin excels in providing the ideal solution for every home, every space, and everyone since the company was first founded in 1924.

For a century, we have never wavered in our mission to innovate: recognising and overcoming the ever-changing challenges posed by the quality of the air we breathe and the overall environment around us.

Creating sustainable indoor climate solutions that prioritize the ultimate in customer comfort is what we do best. We are experts in heating, cooling, and purifying, but our craft lies in creating a climate without distractions. This is our relentless pursuit - empowering people to focus on the moments that matter and, in turn, share the best of themselves with the world.

This is the Daikin Promise.



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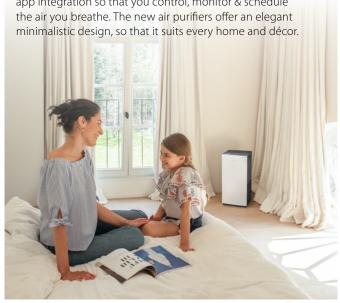
For latest data, please consult my.daikin.eu or check our Virtual Daikin Experience Center via Virtual Experience Centre | Daikin



# What's new in

# The new Daikin Air Purifiers with Wi-Fi Connection

The new Daikin Air Purifiers come with Daikin Onecta app integration so that you control, monitor & schedule the air you breathe. The new air purifiers offer an elegant















# MCK70ZW/ZBFW and MCK70ZH/ZBFH

## p. 26

# **NEW**

- > Intelligent Purification with Onecta app integration
- > Available in 2 colors: White & Grey
- > Air purification for large spaces up to 96 m<sup>2</sup>
- > Comes with humidification feature
- > Daikin's Catch and Clean approach
- > Whisper quiet operation (18dBA)
- > High performance electrostatic HEPA filter with market-leading 10 years lifetime
- > Intuitive display design

# MC80Z/ZB

# p. 27

- > Intelligent Purification with Onecta app integration
- > Color: Front-White, Top/Side- Grey
- > Air purification for large spaces up to 124 m<sup>2</sup>
- > Daikin's Catch and Clean approach
- > Whisper quiet operation (19dBA)
- > High performance electrostatic HEPA filter with market-leading 10 years lifetime
- > Intuitive display design

# **DucoBox Energy Comfort Plus**

(D350/D450/D550)

# p. 42

### **NEW**

Our new DucoBox Energy Comfort Plus is the ideal first choice for every building project. This smart centralized heat recovery ventilation unit (CHRV) now comes with even more silent ventilation unit, with air flow possible up to 550 m<sup>3</sup>/h.

#### Features:

- > **Interchangeable:** left/right installation through an on-site switch to perfectly integrate the unit in any possible scenario, thanks to patented principle of double by-pass
- > Metallic casing to ensure optimal sound levels.
- > Energy efficiency: demand control based on modulary coupled sensors around the house
- > **Easy to service:** all components accessible from the front, practical advantage (e.g. dynamic air filters can be easily replaced after their life-time usage)
- > Future proof: connection to home automation via Modbus or Ethernet



# Daikin Altherma 3 R MT

ERRA08-12EV3 and ERRA08-12EW1

# p. 170

# **NEW**

- Refrigerant split version for medium temperature air-to-water heat pump
- Suitable choice for refurbishments and optimized for boiler replacement
- > Fits large new builds as well
- Best seasonal efficiencies providing the highest savings on running costs
- > Sound pressure of **38 dBA at 3 metres**
- > Available in 3 classes: 8-10-12 kW
- Can be combined with three different indoor units offering specific features to ensure heating, cooling and domestic hot water in your home





# Several updates on Stylish range

Stylish

p. 381

# **UPDATE**

- > Available in 3 colours: white, silver and black
- > Centered Daikin logo on the indoor unit, to further align the Daikin design
- > DCS ready: latest software to connect to DCS residential



# New Perfera wall-mounted unit

Perfera FTXM-A

# p. 356

# **NEW**

- > Pair: Highest SEER/SCOP
- > Multi: Up to A+++ in cooling **ánd heating** for combinations with 15,20,25,35 class and 3MXM52A9
- > Comfort+: thanks to the dual flap, the air is directed via the ceiling in cooling mode and the wall in heating mode
- > DCS ready: latest software to connect to DCS residential



# Comfora combinable with 4 and 5 port Multi

Comfora FTXP-N9

p. 357

# **UPDATE**

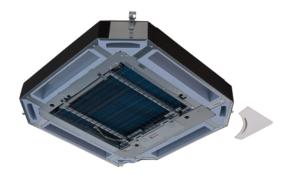
> 20-35 class Comfora combinable with 4 and 5 port multi











# **UV Streamer kit** BAEF125AWB

# p. 402

### **NEW**

- > Purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
- > Removes 99.9% of viruses in 30 minutes thanks to the Catch and Clean approach
- Highly efficient ISO ePM1 60% filter (F7)
- UV light and Streamer technology for cleaning and decompostion of pollutants
- > Can be reftrofitted into existing installations
- > Can be used with BYCQ140E and BYCQ140EW decoration panels

# **New Sky Air Active-series combinations**



p. 431 p. 437

- > AZAS outdoor units now also combine with FHA71~140A9 and FVA100~140A
- > Ideal solution for busy environments and small shops
- > Maximum piping length up to 30m



Decarbonisation of buildings made easy: **launching VRV 5 Heat Pumps** 

p. 488 p. 490

- > New maxi VRV 5 heat pump
- > New 8-10-12 VRV 5 S-series
- > Top sustainability over the entire lifecycle thanks to
  - lower GWP R-32 refrigerant
  - · market-leading real life seasonal efficiency
- > Maximum design flexibility allowing installation in any room, thanks to Shîrudo technology
- > Market-leading portfolio:
- wide range of dedicated R-32 indoor units
- integration of ventilation units





# Most complete range of specially designed indoor units for R-32 refrigerant

p. 492

#### **NEW**

- > FXKA-A, 1-way blow cassette
- · Completely new outlook
- New 20 and 50 class model
- > CYA, Biddle air curtains
  - Unified model for R-32 and R-410A
- Connectable to ERQ and VRV
- 3 models: F: Free-haning; C: Cassette; R: Recessed concealed ceiling



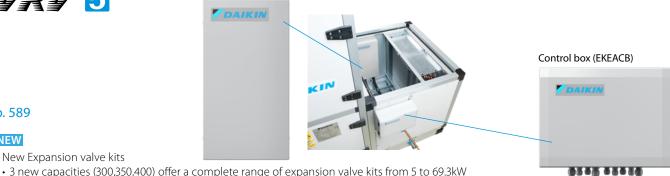




# Expansion valve kit and control box for easy connection between DX outdoor unit and air handling unit

**VRV** 5

Expansion valve set (EKEXVA\*)



p. 589

# NEW

- > New Expansion valve kits
- Improved flexibility thanks to combination ratio from 65% up to 110%
- Unified range connectable both to R-32 and R-410A systems
- Can be used in the most extreme outdoor conditions, down to -20°C
- > New control box
  - Complete offer of 5 control possibilities
  - Daikin integrated or third-party controller
  - Control of return air or fresh air supply temperature
  - All control methods unified in one box
  - · Hinged door for easy servicing



# Modular Water to Water Chiller and Heat Pump

 $EW(W)(H)(L)T\sim Q-A$ 

p. 696

# NEW

Infinite combinations for maximum flexibility for both cooling and heating applications

- > R32 refrigerant
- > Real modular design
- > Heat pump with inversion on water side
- > Heat pump with inversion on refrigerant side
- > Condenserless



# **LMS-Inverter Monoblock**

p. 804

# NEW

 LMS-Inverter Monoblock is a propane monoblock unit, specially designed for small and medium-sized cold rooms, suitable for a very wide range of applications like HoReCa., supermarkets, food industry, logistics, hospitals, data centers, etc.



# CO<sub>2</sub> ZEAS condensing unit

p. 834

#### NEW

> CO<sub>2</sub> ZEAS condensing unit is the perfect solution for all cooling and freezing applications with variable load conditions and high energy efficiency requirements. Particularly for use in supermarkets, cold storage, blast coolers and freezers, process etc.

# **Daikin HomeHub**

# p. 920

# **NEW**

Daikin HomeHub (reference EKRHH) is a centralised controller for Residential applications.

#### FOCUS 2023:

### **Energy management**

- > Centralised controller for Residential applications
- > Offers PV self consumption
- > Has a smart meter connectivity
- > Grid demand response

### **Special projects**

> Local connectivity to 3rd Parties



# **Daikin Cloud Plus**

# Remote monitoring, control and service for commercial DX systems

# p. 944

#### **NEW**

- > Monitor and control your building no matter where you are via the Daikin Cloud Plus
- Manage multiple sites. Modular concept allows your cloud to grow with your business
- > Visualize energy consumption and benchmark between different sites to reduce energy costs
- > Remote diagnostic support to increase your system lifetime
- > Predictive maintenance to prevent breakdowns
- Installer or technical manager can remotely login to the site in case of malfunctions for first troubleshooting
- > Minimise the risk of an unexpected breakdown by 24/7 alarm monitoring and emailing

#### From one to ∞ sites



# **Daikin Modbus Adaptor Simple**

### EKMBPP1

### p. 959

# NEW

Allow Sky Air, VRV, and ventilation units to communicate with Building Management System (BMS) via Modbus.

- > Offers functions such as: Control and monitoring of basic HVAC functions, and monitoring of basic unit parameters.
- > Compatibility: Sky Air, VRV, Daikin Centralized controllers.



# Tools and platforms

We're here to help you!

# **Customer Portal**

My.daikin is your central entry point



- Quick links to all existing and new Daikin applications
- > Easy access to documents
- > Real-time information

If your profile allows:

- > Check your quotes and orders
- > Track and trace your deliveries
- > Look into your invoices
- > Self-services





# Sales supporting apps

We offer a variety of building modelling, selection, simulation and quotation software tools to support your sales.

An overview of all tools available can be found here



my.daikin.eu/denv/en\_US/home/applications/select software finder

# Webinar platform

Online seminars are a new way of sharing information with you. As this is not restricted in time or place, it is convenient for you to watch it whenever you want.

Check out our webinars now!





# Online support

# Daikin library

- > Experience our Business Portal that thinks with you at my.daikin.eu
- > Find information in seconds via a powerful search
- > Customise the options so you see only info relevant for you
- > Access via mobile device or desktop

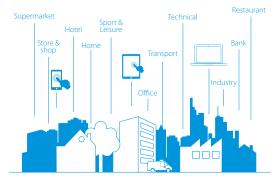
# B2B Virtual experience center

An online showroom where Daikin's product portfolio can be discovered. View the products and learn more about their functionalities in a virtual way.

# Potent to the studies and the studies are studies and the studies and the studies and the studies and the studies are studies are studies and the studies are studies are studies are studies are studies are studies and the studies are studies

# Internet

Find our solution for different applications:



# www.daikin.eu

# > As Customer:

Experience your perfect climate with Daikin.



# > As Installer:

Build your business with Daikin.



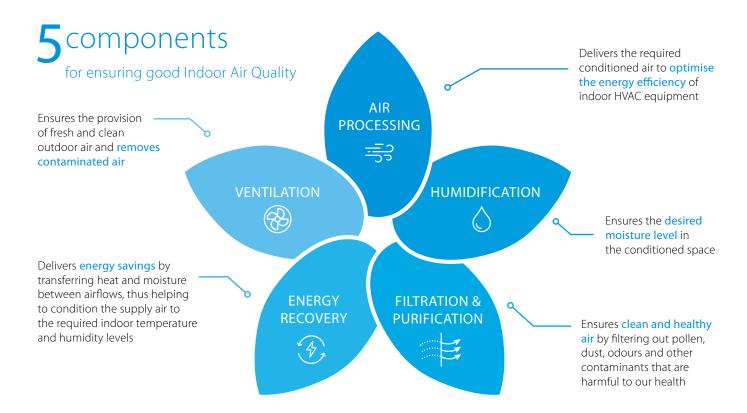
### > As Architect & Consultant:

Create the perfect climate with Daikin.



# Indoor Air Quality?

- · Indoor Air Quality (IAQ) is a measure of the air quality indoors, as breathed in by the building's occupants.
- Indoor air quality is often neglected by residential buildings, schools, offices or light commercial buildings.
- The indoor air quality can be 2 to 5 times worse than outdoors because of pollutants such as pollen, bacteria and others.
- Since 90% of our lives is spent indoors, it is crucial to invest in good air quality.



# Ventilation



# Filtration & air purification



A combination of ventilation & air purification processes help you in achieving a better indoor living condition for a healthier living.

# Indoor air quality for residential and light commercial applications

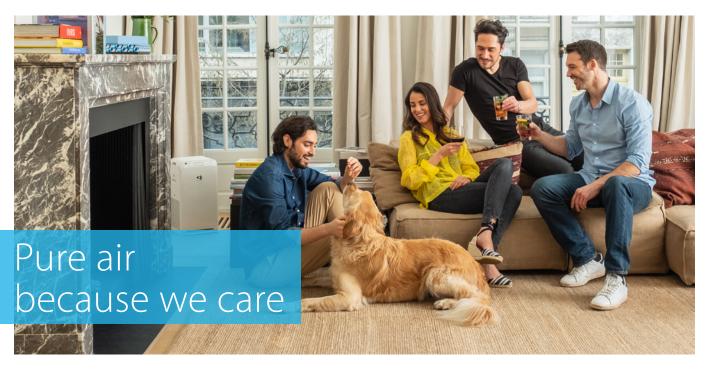
# NEW MC80Z/ZB



# Residential & light commercial

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# Breathe healthy and humidified air with Daikin Air Purifier

We offer a wide range of air purifiers with and without humidifiers, in all sorts of different sizes and applications. Whether you need a small air purifier for a single room or a larger one to cover a larger surface area, we have the perfect solution for you.



# Air Purifier with humidifier

These units come with humidification function to increase the moisture in the air so that owners will be able to prevent dry air in winter or it can help the ones who easily suffer from soar throat.



# What makes Daikin Air Purifier unique?

# Supreme Technology

Our air purifiers are designed with minimalistic style in mind, so they won't detract from the aesthetics of your home. The sleek, modern design is sure to complement any décor, while the lightweight construction makes them easy to move around.



Featuring clear indication lights that show you the current PM2.5 indication and there is also an easy-to-use control panel with all the settings you need.

Our air purifiers are also designed to be quiet, with low noise levels and minimal disruption.



Our air purifiers are designed to keep your air clean and comfortable all year round.



Our Daikin Air Purifiers are all equipped with our patented Daikin Streamer technology to decompose, by oxidation, harmful substances caught on the filter and ensuring it's market leading filter lifetime of ten years











# Peace of mind thanks to filter lifetime

A USP that makes our Daikin Air Purifiers unique.

The filters of our air purifiers lasts much longer than market standard, and ensures you of 10 years without renewing the filter.

<sup>-</sup>his saves you costs and ensures you peace of mind or a 10 years period.

# Our Tested Efficiency\*\*

\*\* for a complete overview on which units have been tested please refer to respective product pages. Please also refer to our online website for up to date information.

# Efficient against allergens as recognized by BAF (British Allergy Foundation)

The Allergy UK Seal of Approval reassures that the product is efficient at reducing small particulates which may include allergens, bacteria and viruses.



# Approved allergy-friendly quality of this product/service is certified by the European Centre for Allergy Research Foundation

An independent advisory panel of 15 leading international scientists and technicians has developed the criteria ECARF used to evaluate different product groups. They include threshold values and exclusion criteria that make an allergic reaction very unlikely. The criteria are regularly updated to reflect the latest scientific findings.

A product receives the Seal when it can be proved through audits or studies that the criteria have been fulfilled. The Daikin Air Purifiers passed these tests and can be considered as allergy-friendly. Not applicable on Air Purifiers with Humidifying function.



# Proven effectiveness against respiratory viruses (among others human coronavirus HCoV-229E) evaluated by Institut Pasteur de Lille\*

The units have also been evaluated as effective against the H1N1 virus. H1N1 is the virus causing common flu. This means Daikin's air purifiers are an additional measure in the fight against respiratory diseases. Our compact plug-and-play purifiers, whose effectiveness is achieved through a combination of the high performance electrostatic HEPA filter, which traps the virus, followed by an intense exposure to Daikin's patented Flash Streamer technology, which removes the virus, can strongly contribute to reducing the risk of respiratory virus transmission.

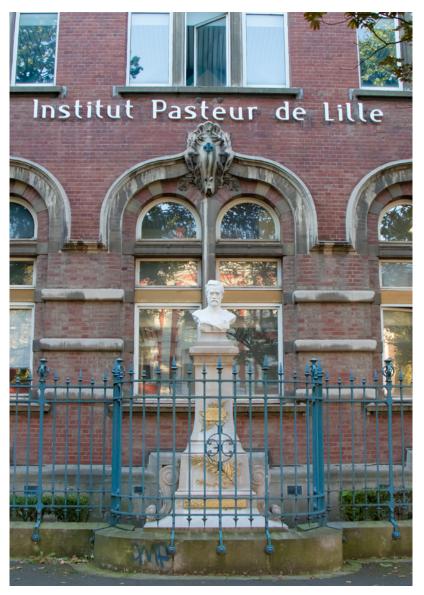


99.98%

of coronavirus removed in 2.5 minutes

According to tests performed in the laboratories of the Institut Pasteur de Lille, Daikin's air purifiers remove more than 99.98% the human coronavirus HCoV-229E in 2.5 minutes\*. This virus is of the same family as SARS-CoV-2, the coronavirus behind the COVID-19 pandemic.

Discover more



# Our Partnership with Institut Pasteur de Lille



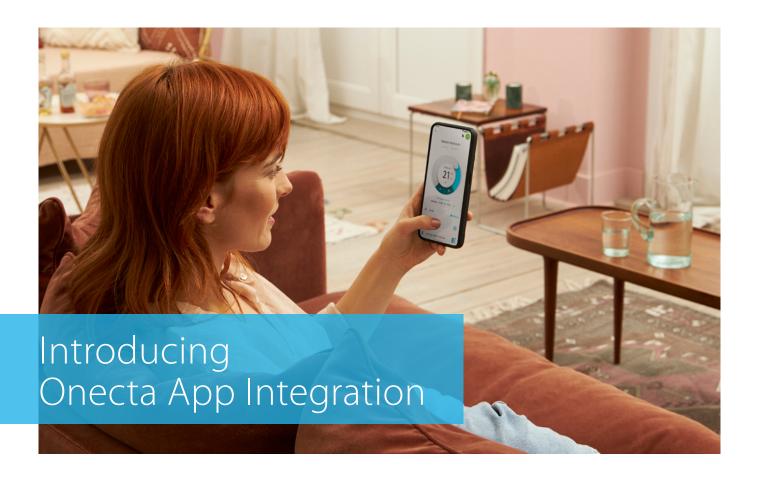
# What is Institut Pasteur de Lille?

The Institut Pasteur de Lille is a research foundation, which was founded in 1894. Created to respond to the epidemics of the 19th century, the Institut Pasteur de Lille has been fighting diseases for more than 120 years through research on pathogens, the development of vaccines and drugs and the promotion of preventive measures and good hygiene practices. The Institut Pasteur de Lille is a member of the international network of institutes Pasteur. Present in 25 countries on all continents, the Network brings together 32 institutions united by common missions and values for the benefit of populations. The mission is to put science at the service of health. Today, the Pasteur Institute of Lille has 33 research teams, more than 800 persons, working every day to understand and fight against diseases, to slow down their development and to imagine the treatments of tomorrow.

# What does this mean for our Air Purifiers?

As a specialist in air quality management, Daikin sees it as its mission to provide innovative solutions and has been selling air purifiers for over 45 years. Its air purifiers and patented air purifying technology, which is applied in other Daikin equipment, have long since proven their effectiveness against air pollution, as well as seasonal pollen and viruses. To reinforce the claim of the effectiveness of its technology, Daikin Europe N.V. entrusted the Institut Pasteur de Lille with the testing of its range of air purifiers. It has now been formally proven that the Daikin models remove more than 99.98% of the human coronavirus HCoV-229E in 2.5 minutes. This is an important achievement.

\*Dalkin device MCK5SWWM (commercial name MCKSSW), tested by institut Pasteur de Lille, removes 99.996 % of Human Coronavirus HCOV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m³, no air renewal). Human Coronavirus HCOV-229E is different from the virus responsible for COVID-19, SARS-COV-2, but belongs to the same family of coronavirus HCOV-229E in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.4 m³, no air renewal). Human Coronavirus HCOV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 1.4 m³, no air renewal). Human Coronavirus HCOV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m², no air renewal). Dalkin device MCK5SWWM (commercial names MCK5SWVB), tested by Institut Pasteur de Lille, removes 99.98 % of Influenza A virus subtype H1N1 in 2.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m², no air renewal). Dalkin device MCK707VVM (commercial names MCK707VVM) (seed by Institut Pasteur de Lille, removes 99.93 % of Influenza A virus subtype H1N1 in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m², no air renewal). Human Coronavirus HCoV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m², no air renewal). Human Coronavirus HCoV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m², no air renewal). Human Coronavirus HCoV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m², no air renewal). Human Coronavirus HCoV-229E in 1.5 minutes running time at 'turbo' speed in laboratory conditions (air-tight chamber with inner volume 0.47 m², no a



# Take control of your indoor air quality

The Onecta App is for those who live their life on the go and who want to manage their Daikin system from their smartphone.

The new models, MC80Z and MCK70Z come with Onecta App integration. For more information please refer to the product pages.





# Control

Customise the system to fit your lifestyle and year-round comfort levels.

- Adapt settings such as operation mode, fan speed, functions,...
- ✓ Take control of your indoor air quality by taking control of your Air purifier



# Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ✓ Check the status of the Air Purifying system
- Access the PM2.5 graphs to evaluate your indoor air quality







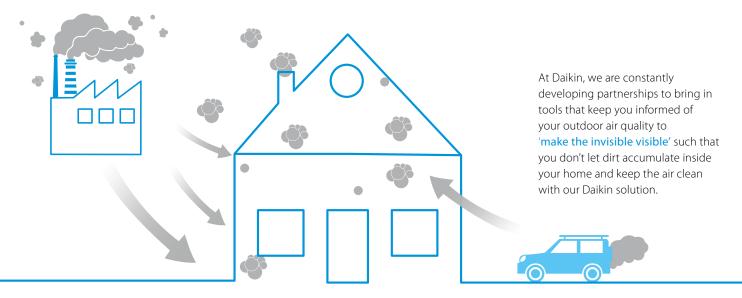
# Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

- Schedule operation mode depending on your personal needs
- Enable holiday mode to save costs

# Don't let bad outdoor air quality affect your indoor air quality

# Indoor air can be 2-5 times worse than outdoor air



# Making the indoor-outdoor connection actionable

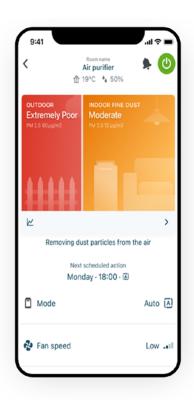


As ambassadors of Indoor Air Quality, Daikin provides reliable outdoor air information relevant to the environment of the user, so that the user can take action to minimize exposure to harmful air outdoors while they are inside. Currently we have two API integrations: Air quality & Pollen.

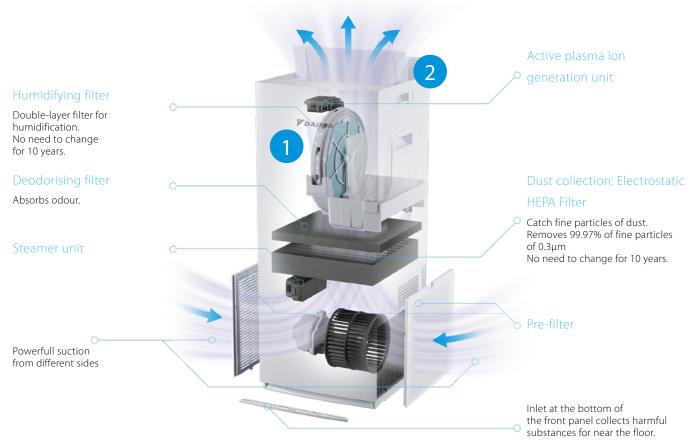
Our Daikin B2C website currently has PM2.5 map.

Our Onecta App currently gives all information related to Outdoor Air quality. Consumers can monitor information directly on their app.

Please stay tuned on our online websites for all on going updates.



# What makes our technology unique?



# Technology

1 INSIDE - Streamer decomposes hazardous elements

Streamer, a type of plasma discharge, decomposes hazardous chemical substances. The decomposition power is comparable to thermal energy of about 100,000°C.

# 2 OUTSIDE - Active plasma ion discharge\*

Plasma ion technology releases ions into the air by plasma discharge and combines them with components in the air to generate active components such as OH radicals with strong oxidising power. They attach to the surface of fungi and allergens and decompose proteins in the air by oxidation.

# The Streamer Symbol consists of three C's

#### CATCH

The dust collection filter catches the floating substances with the attached harmful gases and Streamer decomposes the gases by oxidation.

#### **CYCLE**

The deodorising filter absorbs and decomposes odour. Thanks to the regeneration of the adsorbing capacity, the deodorising capacity is maintained. No need to change the deodorising filter.

### **CLEAN**

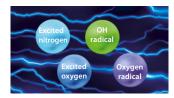
Removes bacteria from dust collection filter, humidifying filter and humidifying water tray.

# STREAMER CLEAN

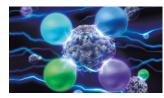
# Mechanism of decomposition by Streamer



Streamer emits high-speed electrons.



The electrons collide and combine with nitrogen and oxygen in the air to form four kinds of elements.



These elements provide decomposition power.







# Filter Lifetime

Our air purifiers feature a complete filtration system, with four stages of filtration to ensure your air is as clean as possible.

With our air purifiers, you can enjoy the benefits of clean, fresh air with minimal maintenance.









Our air purifiers feature an advanced pre-filter that helps to reduce the amount of pollutants that reach the main filter, which helps to extend the life of the air purifier and improve performance.

#### 2. Filter HEPA Daikin

High Performance Electrostatic HEPA Filter is a high-efficiency particulate air filter system that is designed to catch fine particles of dust. Research shows . they remove 99% of particles between 0.1 µm and 2.5 µm in size.

Our air purifiers feature a powerful deodorizing filter that helps to reduce odours from cooking, smoking, pets, and other sources in the air.

# 3. Humidifying filter

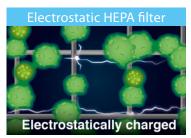
Our air purifiers feature a built-in humidifying filter that helps to add moisture to the air.

This filter helps to keep the air from becoming too dry, which can cause problems such as static electricity and respiratory issues.

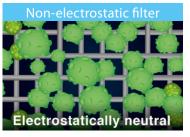
Please refer to product pages to check which units offer humidification.

#### What makes Electrostatic HEPA better than Non-Electrostatic HEPA filter

- · Removes 99.97% of fine particles of  $0.3\mu m$ .
- · Filter fiber itself is charged with static electricity, and collects particles efficiently.
- · Doesn't clog easily, hence causes low pressure loss.







Because it catches particles relying only on mesh size, it is necessary to make mesh finer, making it easy to be clogged and cause high pressure loss.

#### \*Mechanism of reduction by active plasma ions. (Concentration 25,000 ions/cm3.)

- Daikin's plasma ions have been proved safe, in relation to the effect on skin, eyes and respiratory organs. Testing organization: Life Science Laboratories, Ltd.
- Name of test: repeated-dose toxicity test
- Test number: 12-II A2-0401 Mechanism of reduction by active plasma ions

- About the dust collection and deodorizing capacity of an air purifier:

  Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.

  Not all dodour components that emanate continuously (from building materials and pets, etc.) can be removed.

  The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical

# HEPA filtration effect claims

Termination fence colors. Removes 99% of particles between 0.1µm and 2.5µm in size: test method: Japan Electrical Manufacturers' Association Standard JEMI467. Criterion: Remove 99% of fine particulate matters of 0.1 to 2.5µm in a closed space of 32m³ within 90 minutes. (Converted to a value in a test space of 32m³).

#### Deodorization/gas removal effect claims:

- Peodorization/gas removal effect claims:

  Reduction of gases by oxidation: testing organization: Life Science Research Laboratory. Test method: After operating a gasoline engine for 10 minutes (when particulate concentration reached 60mg/m²), operated the air purifier for 80 minutes to absorb polluting particles emitted from the engine. Operated this air purifier for 24 hours in a closed space of 200L and measured the effect to decompose gases. Test result: Compared with a test without Streamer irradiation, gas components were reduced by 63% in 9 hours. Test number: LSRL-8302-702. Test unit: Tested with McKYON (Japanese model). Adsorption and decomposition of odours: placed the air purifier and an odour component, acetaldehyde in a box of 21 m² and operated the air purifier. Examined increase of concentration of product (CO) generated by decomposition of acetaldehyde by Streamer (evaluation by Daikin). Test unit: Tested with McKYSS (Japanese model), a model equivalent to MCKSSW series. Formaldehyde decomposition: test method: constant generation method. Test room: 22 to 24 m², temperature: 23 ± 3°C, humidity: 50 ± 20%. Ventilation condition: When concentration of 0.2 ppm is continually venanated, a removal capacity of 0.08 ppm is maintained at 36 m²/h, which is within the guideline of the Ministry of Health, Labour and Welfare in Japan. (This equates to the ventilation capacity of an approximately 65 m² room.)

- ubstance decomposition effect claims:

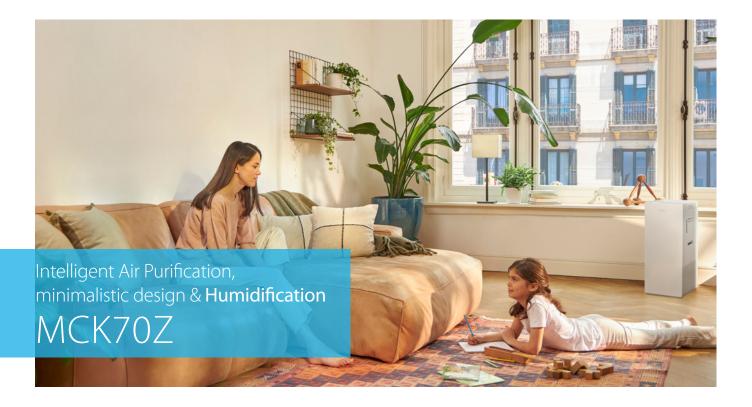
  Removal of bacteria from dust collection filter: testing organization: Japan Food Research Laboratories. Test number:
  15044988001-0201. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a dust
  collection filter installed in an air purifier, and operated it in a test area of 25 m². Counted the number of live bacteria after
  five hours. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCKSSS (Japanese model), a model
  equivalent to MCKSSW series (turbo operation).

  Removal of bacteria from humidifying filter: testing organization: Japan Food Research Laboratories. Test number:
  15044998001-0101. Test method: Attached a test piece inoculated with bacteria liquid on the upstream side of a humidifying
  filter installed in an air purifier, and operated it in a test area of 25 m². Counted the number of live bacteria after five hours.

  Object part: Humidifying filter. Test result: Reduced by more than 99% in five hours. Test unit: Tested with MCKSSS (Japanese
  model), a model equivalent to MCKSSW series (turbo operation).

  Allergen decomposition and removal: various allergens were irradiated by streamer discharge and the breakdown of
  protein in the allergens was verified using the ELISA methods, cataphoresis, or an electron microscope (Joint research with
- Allergen decomposition and removal: various allergens were irradiated by streamer discharge and the breakdown of protein in the allergens was verified using the ELISA method, cataphoresis, or an electron microscope (Joint research with Wakayama Medical University). Test example: Japanese cedar pollen Cryj-L'Test result: 99.6% or more decomposed and removed in 2 hours (ELISA method): 96.9% decomposed and removed in 4 hours (other measurement method). Note: test performed on the flash streamer module. Virus removal ref. I: testing organization: Kitasato Research Center for Environmental Science. Test result certificate 21\_0026 (issued by same organization). Result of experiment: 99.9% removal of A-HINI virus after 1 hour. Note: test performed on the

- Virus removal ref. 2: testing organization: Vietnamese Institute of Hygiene and Epidemiology. Result of experiment: over 99.9% removal of A-H5NI virus in 3 hours. Note: test performed on the flash streamer module. Virus removal ref. 3: testing organization: Graduate School of Kobe University. Result of experiment: over 96% removal of Norovirus in 24 hours. Note: test performed on the flash streamer module.



- > Onecta App Integration: control indoor with an app, via local network or internet
- > Humidification and air purification in one; covers large spaces up to 96m<sup>2</sup>
- > Intuitive display design with coloured Daikin Eye, visual way of informing users about indoor air quality
- > Pure air thanks to Daikin's 'catch and clean' approach in decomposing harmful substances
- > High performance HEPA filter with no need to change for 10 years
- > Whisper Quiet operation (down to 18dB(A))

Dust (PM2.5/dust) sensor	٠
Odour sensor	٠
Temperature sensor	٠
Humidity sensor	٠

# Mode

Auto fan mode	٠
Anti-pollen mode	
Turbo mode	
Quiet mode	
Econo mode	٠
Circulation mode	
Moist mode	

Specifications

# **Functions**

Catch & clean	
Deodorizing filter	
Onecta app	
Child proof lock	•
Brightness adjustment	
Auto restart after power failure	•





NEW







Air purification up to **96 m²** 







deodorising filter



High Performing HEPA filter











Indoor Unit					70ZW/70ZBFW	70ZH/70ZBFH
Applicable room area			m <sup>2</sup>	48(1)/96(2)		
CADR				m <sup>2</sup>	37	<b>'</b> 5
Weight	Unit			kg	12	.5
Dimensions	Unit	HeightxWidthxDepth		mm	760x31	5x315
Colour					White	Gray
Air flow rate		Air purifying operation	Silent/Low/Medium/Turbo	m³/h	84/132/	210/420
		Humidifying operation	Silent/Low/Medium/Turbo	m³/h	84/132/	210/420
Sound pressure level	Air purifying operation	Silent/Low/Medium/	Гurbo	dBA	18/27/	37/54
	Humidifying operation	Silent/Low/Medium/	Turbo	dBA	18/27/	37/54
Humidifying operation	Power input	Silent/L/M/Turbo		kW	0.010/0.012/	0.023/0.084
	Humidification	Turbo		ml/h	70	00
	Water tank capacity			1	3.	4
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.010/0.011/	0.020/0.082
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220	-240/220-230

(1)The coverage area is appropriate for operating the unit of maximum fan speed(HH). Coverage area indicates the space where a certain amount of dust particles can be removed in 30 minutes. | (2)Converted to NRCC standards from test values in accordance with JEM1467. | Converted to CADR standards from test values in accordance with JEM1467. | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit. | Requirements according to JEM1467. | "HI" is displayed when the PM2.5 concentration exceeds 99µg/m<sup>3</sup>.



- > Onecta App Integration: control indoor with an app, via local network or internet
- > Air purification of large spaces up to 124m²
- > Intuitive display design with coloured Daikin Eye, visual way of informing users about indoor air quality
- > Pure air thanks to Daikin's 'catch and clean' approach in decomposing harmful substances
- > High performance HEPA filter with no need to change for 10 years
- > Whisper Quiet operation (down to 19dB(A))

Di	ust (PM2.5/dust) sensor	٠
0	dour sensor	
Te	emperature sensor	

# Mode

Auto fan mode	٠
Anti-pollen mode	
Turbo mode	
Quiet mode	
Econo mode	
Circulation mode	

# Functions

FUNCTIONS	
Catch & clean	
Deodorizing filter	
Onecta app	
Child proof lock	
Brightness adjustment	
Auto restart after power failure	

NEW



Air flow up to 480 m<sup>3</sup>/h



Air purification up to  $124 \ m^2$ 







deodorising filter High Performing Electrostatic



**HEPA** filter













MC80Z

Indoor Unit					80ZB	80Z
Applicable room area				m²	62(1)/	124(2)
CADR				m²	48	30
Weight	Unit			kg	9.	8
Dimensions	Unit	HeightxWidthxDepth		mm	630x31	5x315
Colour					Front: White, Top	/Side: Dark Grey
Air flow rate		Air purifying operation	Silent/Low/Medium/Turbo	m³/h	84/132/2	210/480
Sound pressure level	Air purifying operation	Silent/Low/Medium/T	urbo	dBA	19/25/	34/55
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.010/0.011/	0.020/0.082
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220	-240/220-230

(1)The coverage area is appropriate for operating the unit of maximum fan speed(HH). Coverage area indicates the space where a certain amount of dust particles can be removed in 30 minutes. | (2)Converted to NRCC standards from test values in accordance with JEM1467. | Operating sound levels are the average of values measured at Im away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electricostatic HEPA filter is attached in the unit. | Other function: Active plasma ion function. Autorestartfunction. | Requirements according to JEM1467. | "HI" is displayed when the PM2.5 concentration exceeds 99µg/m3.



- > Air treatment up to 46m<sup>2</sup>
- > Pure air thanks to 'Catch and Clean' approach
- > No need to change filter for 10 years thanks to high performance electrostatic HEPA filter
- > Whisper quiet operation (19 dB(A))











# Mode

Turbo mode	
Quiet mode/sleep mode	

# **Functions**

Catch & clean	
Deodorizing filter	
Child proof lock	
Brightness adjustment	
Auto restart after power failure	









MC30YB MC30YV

Technical specifications				MC	MC30YV/YB		
Applicable room area					23(1)/46(2)		
CADR				m³/h	180		
Weight	Unit			kg	5.8		
Dimensions				mm	565/350/345		
Colour					White		
Air flow rate		Air purifying operation	Silent/Medium/Turbo	m³/h	60/120/180		
Sound proceure level	Air purifying operation	Silent/Medium/Turbo		dRΛ	10/27/37		

Power supply

Power input

Air purifying operation

Specifications

Phase/Frequency/Voltage

Silent/Medium/Turbo

0.008/0.015/0.025

1~/50/60/220-240/220-30

Standard accessories: Electrostatic HEPA filter; Quantity: 1; Standard accessories: Deodorising filter; Quantity: 1; Standard accessories: Operation manual; Quantity: 1; (1) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. (JEM 1467) | (2) The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area was calculated in accordance with NRCC-54013 standard using cigarette smoke CADR that was tested accoring to JEM1467. | Converted to CADR standards from test values in accordance with JEM1467. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function: Auto-restart function.

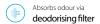
kW



- > Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- > Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- > High performance HEPA filter with no need to change for 10 years
- > Whisper quiet
- > Colour LEDs to provide info about indoor air quality









Dust (PM2.5/dust) sensor				
Odour sensor				

### Mode

Auto fan mode	
Anti-pollen mode	
Turbo mode	
Quiet mode	
Econo mode	

Specifications

# **Functions**

1 direction 3	
Catch & clean	
Deodorizing filter	
Remote Controller	
Child proof lock	
Brightness adjustment	
Auto restart after power failure	













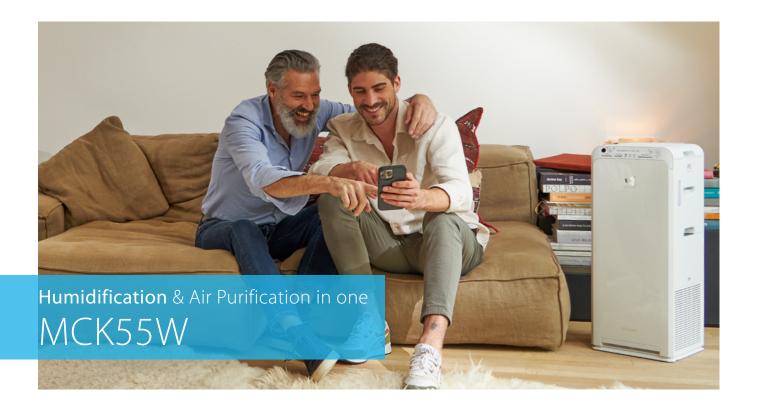
Single Unit MC55W / MC55VB Applicable room area m<sup>2</sup> 41(1)/82(2) HeightxWidthxDepth Dimensions Unit 500x270x270 mm Weight 6.8 Colour White 66/120/192/330 Air purifying operation Silent/Low/Medium/Turbo m<sup>3</sup>/h Air flow rate Sound pressure level Air purifying operation Silent/Low/Medium/Turbo dBA 19/29/39/53 Air purifying operation Power input Silent/Low/Medium/Turbo 0.008/0.010/0.015/0.037 Power supply Phase/Frequency/Voltage Hz/V 1~/50/60/220-240/220-230 Power plug W: C type/VB: G type (UK)

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Operating sound levels are the average of values measured at 1 m away from the front, left, right and top of the unit. (These are equal to the values in an an anerchoic chamber) | Electrostatic HEPA filter is attached in the unit. | Other function: Active plasmation function. Auto-restart function. About the dust collection and deodorizing capacity of an air purifier:

Not all harmful substances in cigarette smoke (carbon monoxide, etc.) can be removed.

The Daikin air purifier is not a medical device and is not meant to be used as a substitute to any medical or pharmaceutical treatment.

Refer to notes on page 21 for detailed claims on Institut Pasteur de Lille test.



- > Effectiveness against respiratory viruses evaluated by Institut Pasteur de Lille
- > Humidification and purification in one
- > Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- > High performance HEPA filter with no need to change for 10 years
- > Whisper quiet
- > Colour LEDs to provide info about indoor air quality

Dust (PM2.5/dust) sensor	٠
Odour sensor	
Humidity sensor	

# Mode

Auto fan mode	
Anti-pollen mode	
Turbo mode	
Quiet mode	
Econo mode	
Moist mode	

# **Functions**

T GITECIOTIS	
Catch & clean	
Deodorizing filter	
Remote Controller	
Child proof lock	
Brightness adjustment	
Auto restart after power failure	



Air flow up to 330 m³/h



Air purification up to 82 m<sup>2</sup>



500 ml/h humidifying capacity



Absorbs odour via **deodorising filter** 



High Performing Electrostatic **HEPA filter** 







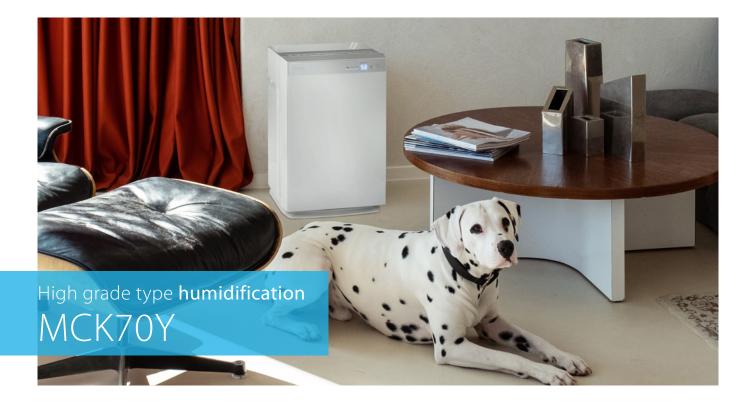


# Specifications

Single Unit					MCK55W
Applicable room area				m²	41(1)/82(2)
Dimensions	Unit	HeightxWidthxDepth		mm	700x270x270
Weight	Unit			kg	9.5
Colour					White
Air flow rate		Air purifying operation	Silent/Low/Medium/Turbo	m³/h	54/120/192/330
		Humidifying operation	Silent/Low/Medium/Turbo	m³/h	102/144/192/330
Sound pressure level	Air purifying operation	Silent/Low/Medium/Turbo		dBA	19.0/29.0/39.0/53.0
	Humidifying operation	Silent/Low/Medium/Turbo		dBA	25.0/33.0/39.0/53.0
Humidifying operation	Power input	Silent/L/M/Turbo		kW	0.011/0.014/0.019/0.058
	Humidification	Silent/Low/Medium/Turbo		ml/h	200/240/300/500
	Water tank capacity			1	2.7
Air purifying operation	Power input	Silent/L/M/Turbo		kW	0.007/0.010/0.017/0.056
Power supply	Phase/Frequency/Voltage	<u> </u>		Hz/V	1~/50/60/220-240/220-230

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit.

Refer to notes on page 21 for detailed claims on Institut Pasteur de Lille test.



- > Air purification for large spaces such as residential and light commercial applications
- > Pure air thanks to Daikin 'Catch and Clean' approach in decomposing harmful substances
- > High performance HEPA filter with no need to change for 10 years
- > Whisper quiet
- > Colour LEDs to provide info about indoor air quality

Dust (PM2.5/dust) sensor	
Odour sensor	
Humidity sensor	

# Mode

Auto fan mode	٠
Anti-pollen mode	
Turbo mode	
Quiet mode	
Econo mode	
Circulation mode	
Moist mode	

Phase/Frequency/Voltage

# Functions

i di ictions	
Catch & clean	
Deodorizing filter	
Child proof lock	
Brightness adjustment	
Auto restart after power failure	





Air flow up to 420 m³/h



Air purification up to  $96 \ m^2$ 



650 ml/h Absorbs odour via



High Performing Electrostatic





# Specifications





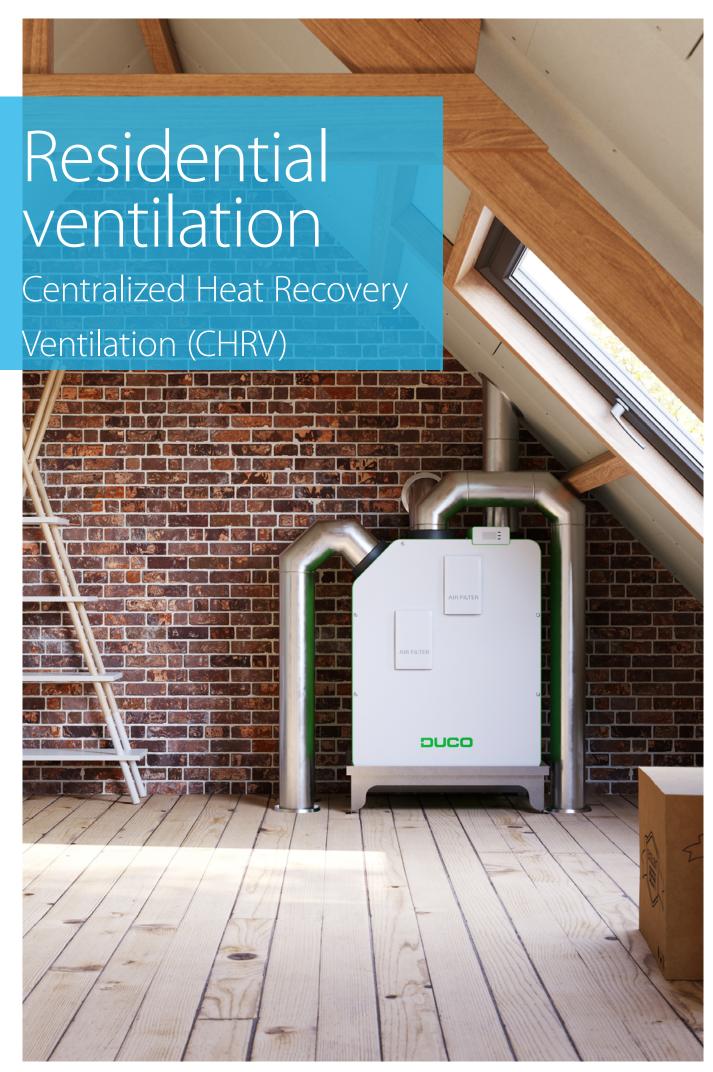
1~/50/60/220-240/220-230



				MCK70YV	MCK70YB
			m²	48(1)/	96(2)
Unit	HeightxWidthxDepth		mm	600x395	x287 (3)
Unit			kg	12	.5
				Wh	ite
	Air purifying operation	Silent/Low/Medium/Turbo	m³/h	60/132/2	210/420
	Humidifying operation	Silent/Low/Medium/Turbo	m³/h	102/132/	210/420
Air purifying operation	Silent/Low/Medium/Turbo	)	dBA	18/27/	37/54
Humidifying operation	Silent/Low/Medium/Turbo	)	dBA	23/27/	37/54
Power input	Silent/L/M/Turbo		kW	0.011/0.012/	0.018/0.068
Humidification	Turbo		ml/h	65	0
Water tank capacity			- 1	3.	6
Power input	Silent/L/M/Turbo		kW	0.008/0.010/	0.016/0.066
	Air purifying operation Humidifying operation Power input Humidification Water tank capacity	Unit  Air purifying operation Humidifying operation Silent/Low/Medium/Turbo Humidifying operation Power input Humidification Silent/L/M/Turbo United S	Unit           Air purifying operation Humidifying operation Silent/Low/Medium/Turbo           Air purifying operation Humidifying operation Silent/Low/Medium/Turbo         Silent/Low/Medium/Turbo           Power input Humidification Furbo         Silent/L/M/Turbo           Humidification Humidification Water tank capacity         Turbo	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Unit         HeightxWidthxDepth         mm         600x395           Unit         kg         12           The proof of t

The applicable room area is appropriate for operating the unit of maximum fan speed (HH). Applicable room area indicates the space where a certain amount of dust particles can be removed in 30 minutes. ((1) in accordance with JEM (2) in accordance with CADR (JEM) & NRCC-54013-2011 standard) (3) With caster: 637 × 395 × 287 | Humidification amount changes in accordance with indoor and outdoor temperature and humidity. Measurement condition: 20°C in temperature, 30% in humidity. | Operating sound levels are the average of values measured at 1m away from the front, left, right and top of the unit. (These are equal to the values in an anechoic chamber) | Electrostatic HEPA filter and humidifying filters are attached in the unit

Hz/V



# Why DUCO?

# DUCO offers end-to-end solutions

# One-stop-shop for your end-to-end ventilation solution

Complete range of Centralized Heat Recovery Ventilation (CHRV) units, ducts & accessories.

### Smart demand control

The room is only ventilated when necessary and in the correct amount. CO<sub>2</sub> concentration and air humidity are used as indicators. This helps avoiding unnecessary heat loss while guaranteeing an optimal indoor climate

# Low noise guaranteed

A comfortable indoor climate is created by whisperquiet ventilation systems. DUCO excels in acoustics both in its supply and exhaust airs.

### Intuitive quotation process

Upon request, Daikin can provide an easy-to-use tool to calculate the units and accessories needed for your specific projects. A complete calculation request can also be carried out on Daikin Heating Solutions Navigator Platform.

#### **Automatic calibration**

The automatic calibration, whereby the measuring and adjustment technology is based on the principles of calibration under constant pressure, always offers a 100% guarantee of a qualitative end result and translates into a 50% saving in set-up time for the installer.

# Connectivity

With the optional Communication Print you have the option of allowing the DUCO ventilation systems to communicate via ModBus and/or Ethernet. ModBus integration enables them to be linked to a building management system.

# High energy conversion efficiency

The combination of dynamic air distribution filters and high performance heat exchangers result in very high efficiency ratio.

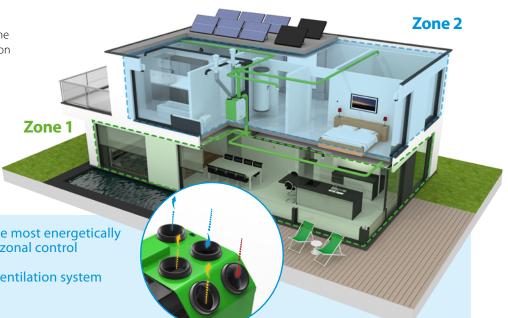
# Only at Daikin

Thanks to DUCO, Daikin offers Centralized HRV systems with an integrated 2-zone valve. With the 2-zone version of the DucoBox Energy Premium, Daikin's product range is extended with a unique ventilation system with embedded 2-zone control. If a certain zone does not require ventilation, that zone is not ventilated. Cost savings on heating, lower consumption and noise comfort of the unit itself (lower rpm) are the logical consequences.



Sensors meticulously detect the residents' movements throughout the home. This makes it possible to automatically determine where, when and in what amount ventilation is required.

By controlling the two zones separately with a built-in valve, the consumption of the EC fans is reduced considerably, which translates into an A+ energy label.



☑ Optimal indoor air quality in the most energetically optimised manner thanks to 2-zonal control

☑ Low noise guaranteed by our ventilation system

☑ Automatic calibration

# A complete portfolio for complete ventilation solutions

Clean air, whenever you need!

# Europe's QUIETEST and SMARTEST CHRV!



DucoBox Energy
Comfort & Comfort Plus



DucoBox Energy Premium



# A solution for every situation

Flow rate up to 550m<sup>3</sup>/h (at 200 Pa)



# Smart 2-zone control

Saving up to 40% through smart zone control



# Left/right exchangeable

Exchange between left and right variant is carried out 100% by software



# Quietest CHRV on the market

Enjoy a good night's sleep!



### Automatic calibration

Calibration at constant pressure saves up to 50% on the configuration time



# **Automatic calibration**

Calibration at constant pressure saves up to 50% on the configuration time



# **DucoFlex**

Thanks to DUCO, with DucoFlex, Daikin offers a complete air ducting system. If you use this installation-friendly air-duct system you will enjoy the energy-efficient and quiet operation of the ventilation system.



# Only ventilate, when necessary, where it is necessary and as long as it is necessary!

Thanks to DUCO, Daikin brings to you the SMARTEST ventilation solution. On-demand ventilation allows remote control and intelligent usage of the ventilation system, increasing comfort and convenience for the end user.

#### How does it work?

Local and/or central sensors permanently measure the indoor air quality in your home. If the air quality is decreasing, the ventilation is triggered immediately according to intelligent algorithms to create a health environment again.

#### Compact external 2-zone control

With external 2-zone control, the house is divided into a day and night zone.

This zonal control is **based on CO<sub>2</sub> and humidity**. It only provides ventilation where and when needed, in the right amount.

Zonal ventilation ensures maximum energy savings and increases acoustic and thermal comfort.



Discover the 4 benefits of the multi-zone valve:

Compact installation

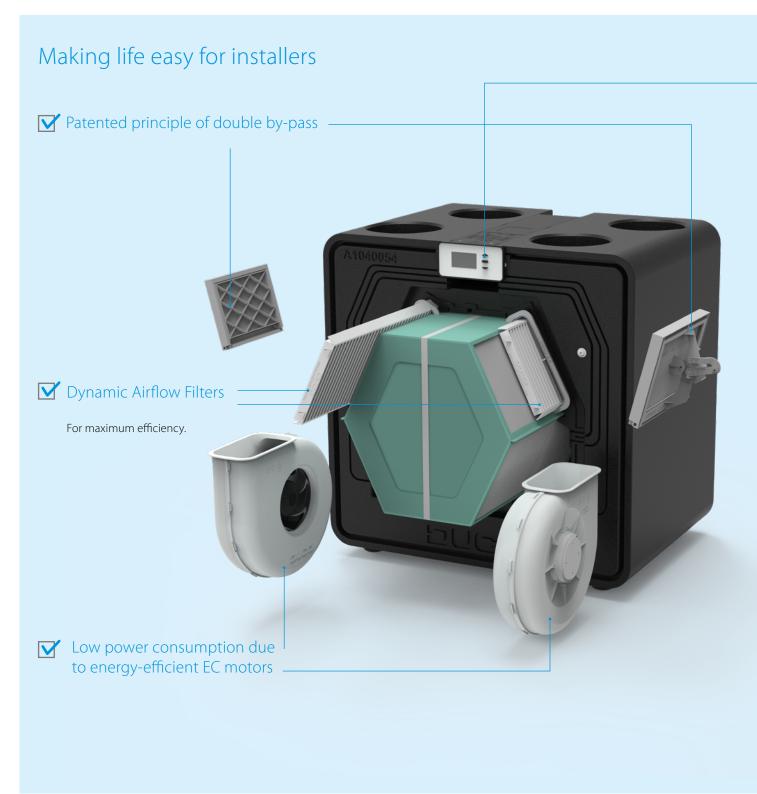
Energy savings

Quieter operation

Enhanced thermal comfort

## DucoBox Energy Comfort





#### First choice for building projects

This smart and silent ventilation unit is the ideal solution for apartments and houses due to its compact size. With the addition of DucoBox Energy Comfort D400 to our portfolio, this range now offers adjustable capacity of up to 325 m<sup>3</sup>/h and 400 m<sup>3</sup>/h. The left/right switch is 100% software-driven thanks to the patented principle of double bypass.

The dynamic air distribution filters, together with the smart demand control based on CO, and humidity, ensure for exceptional efficiency within this compact unit.



#### Optional pre-heater and optional multi-zoning valve





#### L/R switch - 100% software-based

This unit is very user-friendly because physical interventions are not necessary. The left/right switch is carried out 100% by software thanks to a patented principle of double by-pass.





#### Compact & light unit:

This lightweight unit starting from 21kg can easily be installed by 1 person. With its compact dimensions, the DucoBox Energy Comfort is ideal for a small technical space!





#### Smart copy function

Thanks to a "copy" function which is integrated on software level, the installer has the possibility to copy the settings and parametrisation of one DucoBox Energy Comfort onto the next DucoBox Energy Comfort. This is particularly useful in a serial construction with the same types of houses.





#### Automatic calibration

Relying on the principles of calibration at constant pressure, this method achieves a 50% saving on calibration time. DUCO saves you time.



Smart demand control based on CO, and/or humidity measurement

## DucoBox Energy Comfort 325- D400

The DucoBox Energy Comfort is a compact and light mechanical ventilation unit with heat recovery. With a capacity of up to 400 m<sup>3</sup>/h, this is the balanced ventilation solution for apartments and serial housing construction.

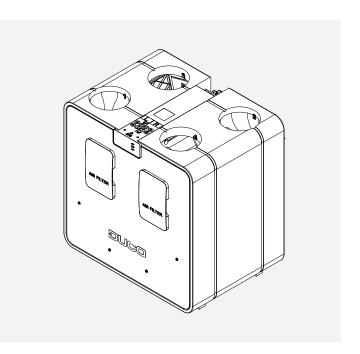
The **demand control** of the DucoBox Energy Comfort results in intelligent and energy-efficient operation.

Together with the **smart demand control** based on  ${\rm CO_2}$  and humidity, the dynamic air distribution filters ensure exceptional efficiency within this compact unit.

The **left/right switch** is carried out 100% by software thanks to a patented principle of double bypass.

Moreover, this lightweight unit weighs just 21 kg. In other words: easy to install by 1 person.

The **automatic configuration** ensures the device can be installed quickly and professionally.





#### Versions

Туре	Supply and exhaust airflow rate at 150 Pa		2-zone control	Frost protection	Reference number
DucoBox Energy Comfort 325	325 m³/h		yes (as external option)	Imbalance or optional external heater	00004649
Туре	Pulsion and extraction capacity at 150 Pa	Pulsion and extraction capacity at 200 Pa	2-zone system	Frost protection	Item Number
DucoBox Energy Comfort D400	400 m³/h	400 m³/h	yes (as external option)	Imbalance or optional external heater	00004707

#### Optional Accessories DucoBox Energy Comfort 325

Reference Number
00004376
00004251
00004723
00004546
00004547
00004661
00004418

#### Optional Accessories DucoBox Energy Comfort D400

- P. 1. 2. 1. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.		
Product	Reference Number	
Siphon flat (Energy & Eco)	00004376	
Communication Print	00004251	
Humidity Sensor (Energy Comfort & Energy Comfort Plus)	00004723	
Standing support frame (Energy Comfort D400 / Plus)	00004740	
Filter set 2 x Coarse 65% (Energy Comfort D400/Plus)	00004741	
Filterset Coarse 65%/ePM1 55% (Energy Comfort D400 & Plus D350/D450/D550)	00004742	
Coaxial cable set 8 m	00004418	

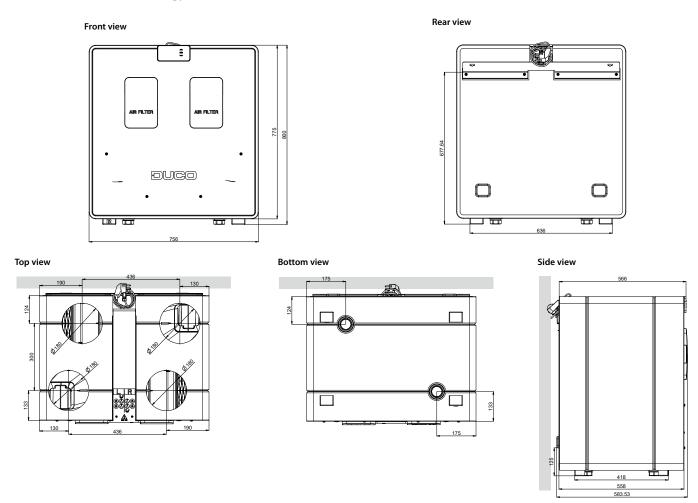
#### **DucoBox Energy Comfort** 325- D400

More details and final information can be found by scanning or clicking the OR codes

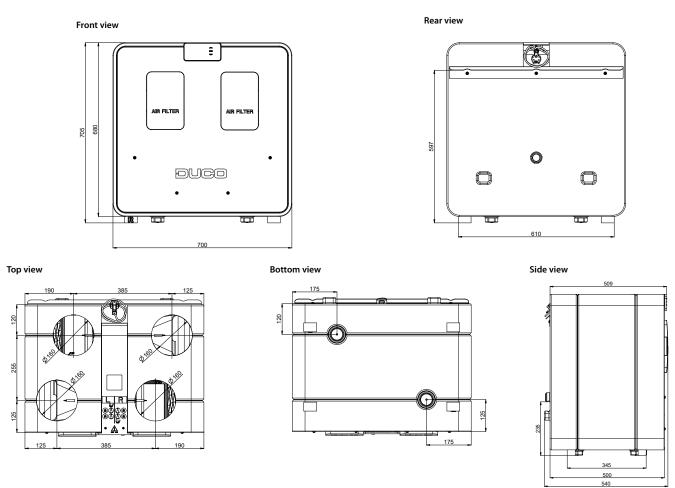


	clicking the QR codes.	DucoBox Energy Comfort		
Physical Properties	325	D400		
Width x Height x Depth (mm)	700 x 705 x 525 mm	756 x 800 x 584 mm		
Casing	Coated shee	Coated sheet steel + EPP		
Colours	White	White + Black		
Connections	Inner Diameter: Ø 160mm	Inner Diameter: Ø 180mm		
Condensate drain	Ø 32 mm	(1 ¼") (2x)		
Heat exchanger	PET/ Polystryene	v1: PP - v2: PET/Alu		
Material of inside section	EPP / P	PP / ABS		
Weight	21 kg	31 kg		
Power cable length	2 m (from	top of unit)		
Mounting	Floor mounting a	ng (standard) as an option using rt frame		
Miscellaneous Properties	325	D400		
Energy class		ntrol factor 0.65): A+ er: A		
Filters	Dynamic airflow filter supply air (460 x 185 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4) Optional: ISO 16890 ePnd 155% (=F7) Dynamic airflow filter exhaust air (460 x 185 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4)	Dynamic airflow filter supply air (520 x 190 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4) Optional: ISO 16890 ePM1 55% (=F7) Dynamic airflow filter exhaust air (520 x 190 x 15 mm) Standard: ISO 16890 Coarse 65 % (= G4)		
Summer by-pass	Fully (100%	Fully (100% modulating)		
Frost protection	Imbalance or o	Imbalance or external heater		
Fans	EC fan with backw	EC fan with backward curved blades		
Automatic Calibration	Yes (consta	Yes (constant pressure)		
Constant flow regulation	Y	Yes		
Passive cooling	Automatic passiv	Automatic passive cooling control		
Operation	Use via User controllers ar Via smartphone /	ed display nd CO <sub>2</sub> or Humidity Sensors tablet as an option Communication Print)		
Sensors	pressure, temperature, Exte CO <sub>2</sub> (via opti Humidity (via optional Senso	Integrated: pressure, temperature, onboard switch sensor External: CO <sub>3</sub> (via optional Sensor), Humidity (via optional Sensor or measurement in ETA line), external Switch Sensor (voltage-free input) (optional)		
Communication	Duco RF, Duco Wi Expandable with Co	Standard: Duco RF, Duco Wired, Switch Sensor Expandable with Communication Print: ModBus, PWM-IN, PWM-OUT, Switch Sensor (3x), Ethernet, Micro SD-card slot		
Electrical Characteristics	325	D400		
Maximum electrical power	118 W (2 x 59 W)	145 W (2 x 72.5 W)		
Power Supply		,50 Hz ble with earthed plug		
Contacts	0-10 V ir	n/output		
Type of motor	D	OC .		
Energy conversion efficiency	At 325 m³/h: 85% At 279 m³/h: 86% At 277 m³/h: 88%	At 400 m³/h: 83% At 351 m³/h: 84% At 307 m³/h: 85%		

#### Dimensions DucoBox Energy Comfort D400



#### Dimensions DucoBox Energy Comfort 325



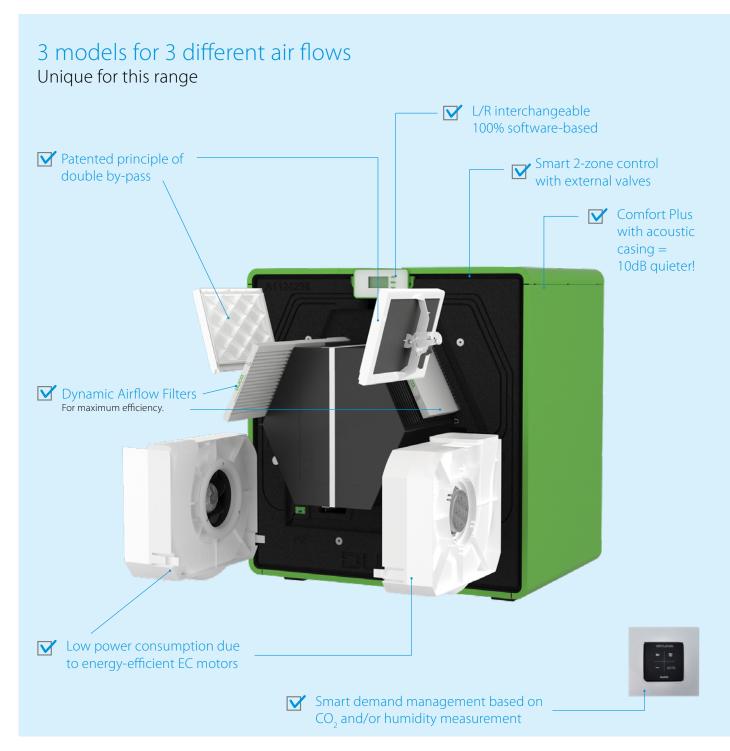


## Introducing DucoBox Energy Comfort Plus (D350/D450/D550)

# AR FILTER AR FILTER

#### In the spotlight

one of Europe's smartest CHRV solution



#### First choice for building projects

The DucoBox Energy Comfort Plus is a Centralized Ventilation unit with Heat Recovery (CHRV). This smart and even more silent ventilation unit with metallic casing can be chosen with a capacity of up to 550 m<sup>3</sup>/h.

It is the ideal solution for various sizes of houses and apartments. The left/right switch is 100% software-driven thanks to the patented principle of double bypass. The dynamic air distribution filters, together with the smart demand control based on CO, and humidity, ensure for 2 exceptional efficiency within this compact unit.



#### Optional pre-heater and optional multi-zoning valve



#### L/R switch - 100% software-based

This unit is very user-friendly because physical interventions are not necessary. The left/right switch is carried out 100% by software thanks to a patented principle of double by-pass.



#### Compact unit: 760 x 803 x 584 mm

With its compact dimensions, the DucoBox Energy Comfort is ideal for a small technical space!



#### Smart copy function

Thanks to a "copy" function which is integrated on software level, the installer has the possibility to copy the settings and parametrisation of one DucoBox Energy Comfort Plus onto the next DucoBox Energy Comfort Plus. This is particularly useful in a serial construction with the same types of houses.



#### Automatic calibration

Relying on the principles of calibration at constant pressure, this method achieves a 50% saving on calibration time. DUCO saves you time.



#### Smart demand control based on CO<sub>2</sub> and/or humidity measurement

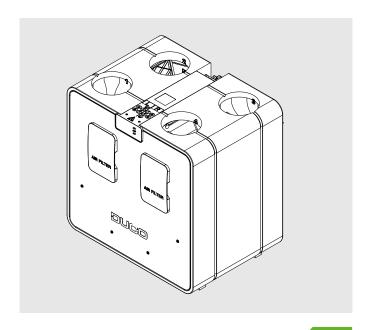


## DucoBox Energy Comfort Plus (D350/D450/D550)

The DUCO Energy Comfort Plus range is a centralised ventilation unit with heat recovery. DucoBox Energy Comfort Plus was developed with the aim of guaranteeing an even quieter operation. Within the DucoBox Energy Comfort range, the left/right exchange is 100% software-driven thanks to the patented principle of the double by-pass.

The demand control of the DucoBox Energy Comfort Plus D550 results in **intelligent and energy-efficient operation**. Together with the smart demand control based on  ${\rm CO_2}$  and humidity, the dynamic air distribution filters ensure exceptional efficiency within this compact unit.

The compact and quick-to-install 2-zone valves provide the most energy-efficient result that can be achieved with CHRV. Please note that the zone control reduces the noise **by at least 30%!** Comfort rules!



 $\mathbf{A}^{+}$ 

#### Versions DucoBox Energy Comfort Plus D350/D450/D550

Туре	Pulsion and extraction capacity at 150 Pa	Pulsion and extraction capacity at 200 Pa	2-zone system	Frost protection	Reference Number
DucoBox Energy comfort Plus D350	350 m³/h	350 m³/h			00004704
DucoBox Energy Comfort Plus D450	450 m³/h	450 m³/h	Yes (as external option)	Imbalance or optional external heater	00004705
DucoBox Energy Confort Plus D550	550 m³/h	550 m³/h	(as assessed option)		00004706

#### Optional Accessories DucoBox Energy Comfort Plus D350/D450/D550

Product	Reference Number
Pre-Heater DucoBox Energy Comfort (Plus) - 1,425W	00004807
Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø125	00004761
Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø160	00004760
Siphon flat	00004376
Connectivity Board Modbus and WIFI	00004810
Humidity Sensor (Energy Comfort & Energy Comfort Plus)	00004723
Standing chair (Energy Comfort D400/Plus)	00004740
Filterset 2 x Coarse 65 % (Energy Comfort D400 & Plus D350/D450/D550)	00004741
Filterset Coarse 65% / ePM1 55% (Energy Comfort D400 & Plus D350/D450/D550)	00004742
Coaxial cable set 8m (Energy Premium / Comfort / Comfort Plus)	00004418
Duco Wired power adapter 230VAC-24VDC/20W	00004762
Power supply 230VAC-24VDC/20W + housing	00004763
Muff with rubber D180/D160 (M/M) [connection piece with joint]	00004725
Muff with rubber D180/D180 (M/M) [connection piece with joint]	00004726
Muff with rubber D200/D180 (M/M) [connection piece with joint]	00004727

## **DucoBox Energy Comfort Plus** D350-D450-D550

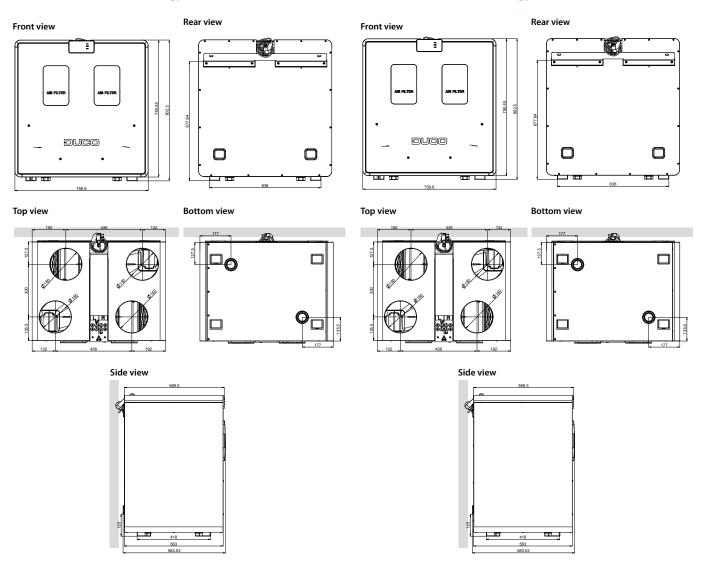
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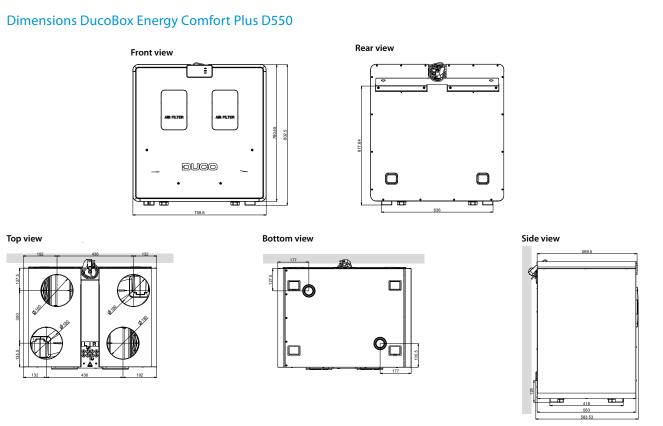


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Physical Properties				
Width x Height x Depth (mm)		760 x 803 x 584 mm		
Casing		Coated sheet steel		
Colours		White + Green		
Connections		Inner Diameter: Ø 180mm		
Condensate drain		Ø 32 mm (1 ¼") (2x)		
Heat exchanger		v1: PP - v2: PET/Alu		
Material of inside section		EPP / PP / ABS		
Neight Neight		47 kg		
Power cable length		2 m (from top of unit)		
Mounting		Wall mounting (standard) Floor mounting as an option using support frame		
Miscellaneous Properties				
Energy class	\	With 2 sensors (control factor 0.65): A Other: A	+	
Filters		Dynamic airflow filter supply air (520 x 190 x 15 mm)  Standard: ISO 16890 Coarse 65 % (= G4) Optional: ISO 16890 ePM1 55% (=F7) Dynamic airflow filter exhaust air (520 x 190 x 15 mm)  Standard: ISO 16890 Coarse 65 % (= G4)		
Summer by-pass		Fully (100% modulating)		
Frost protection		Imbalance or external heater		
Fans		EC fan with backward curved blades		
Automatic Calibration		Yes (constant pressure)		
Constant flow regulation		Yes		
Passive cooling		Automatic passive cooling control		
Operation		Integrated display Use via User controllers and $\mathrm{CO}_2$ or Humidity Sensors Via smartphone / tablet as an option (provided device has Communication Print)		
Sensors	Humidity (	Integrated: pressure, temperature, onboard switch sensor External: CO2 (via optional Sensor), Humidity (via optional Sensor or measurement in ETA line), external Switch Sensor (voltage free input) (optional)		
Communication	E ModBus, PWM-IN, P	Standard: Duco RF, Duco Wired, Switch Sensor Expandable with Communication Print: ModBus, PWM-IN, PWM-OUT, Switch Sensor (3x), Ethernet, Micro SD-card slot		
Electrical Characteristics	D350	D450	D550	
Maximum electrical power	117 W (2 x 58.5 W)	196 W (2 x 98 W)	276 W (2 x 133.5 W)	
Power Supply		230 V, 50 Hz		
	Vi	a 3-core power cable with earthed pl	ug	
Contacts		0-10 V in/output		
Type of motor		DC		
	At 350 m³/h: 84% At 450 m³/h: 81% At 550 m³/h: 78% At 307 m³/h: 85% At 418 m³/h: 82% At 515 m³/h: 79% At 255 m³/h: 86% At 377 m³/h: 83% At 471 m³/h: 80%			

#### Dimensions DucoBox Energy Comfort Plus D350

#### Dimensions DucoBox Energy Comfort Plus D450







## DucoBox Energy Premium

The DucoBox Energy Premium raises CHRV with heat recovery to the next level. Ideal for installation in an energy-neutral home of the future, automatic calibration and integrated 2-zone control with demand control ensure ultra-quiet, intelligent and energy-saving operation.



#### ✓ Distinguishing features

- > Demand-controlled balanced system with heat recovery
- > Lowest sound power (air supply) in the market
- > Patented **2-zone control** guarantees maximum energy efficiency (60.5 W)
- Automatic calibration reduces installation time by at least 50%
- > Modular set-up of on-demand components
- > Minimum number of components
- > Smart communication with domotic systems through ModBus or ethernet







- Intelligent preheater
- Heat exchanger for maximum efficiency
- Low noise guaranteed
- Automatic calibration

The automatic calibration, which is based on the principle of constant pressure, allows for a very fast and accurate calibration. This easily reduces set-up time to 50%! DUCO saves you time and money.



#### DucoBox Energy Premium 325 - 400

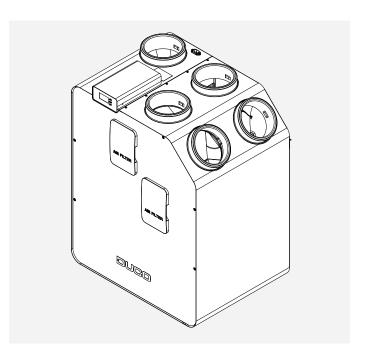
The DucoBox Energy Premium is a mechanical ventilation unit with heat recovery. It mechanically supplies fresh air to the house and mechanically extracts contaminated air from it with the help of integrated fans. During this process, the heat is recovered from the extracted air and transferred to the supplied air.

The **smart demand control** of the DucoBox Energy Premium results in quiet, intelligent and energy efficient operation. **Control components** can be paired with the DucoBox Energy

Premium (= master unit). The DucoBox Energy Premium features frost protection system (with or without heater), bypass function and constant flow.

The **automatic calibration** ensures the device can be installed quickly.

The DucoBox Energy Premium is available as both a 1-zone and a 2-zone variant, with the latter providing even quieter and more energy-efficient operation.





#### **Versions**

Туре	Supply and exhaust	2-zone system	Frost protection	Reference number	
	capacity at 150 Pa in m³/h			LEFT	RIGHT
DucoBox Energy Premium 325-1ZS	325	No	Imbalance	00004358	00004359
DucoBox Energy Premium 325-1ZH			Imbalance + heater	00004360	00004361
DucoBox Energy Premium 325-2ZS		Yes	Imbalance	00004362	00004363
DucoBox Energy Premium 325-2ZH			Imbalance + heater	00004364	00004365
DucoBox Energy Premium 400-1ZS	400	No	Imbalance	00004366	00004367
DucoBox Energy Premium 400-1ZH			Imbalance + heater	00004368	00004369
DucoBox Energy Premium 400-2ZS		Yes	Imbalance	00004370	00004371
DucoBox Energy Premium 400-2ZH			Imbalance + heater	00004372	00004373

For UK models, see page 18

#### Optional accessories premium 400

Optional accessories premium 400		
Product	Reference number	
Mounting chair standing (Energy Premium)	00004421	
Mounting chair hanging (Energy Premium)	00004422	
Siphon flat (Energy & Eco)	00004376	
Communication Print	00004251	
Humidity Sensor (Energy Premium)	00004374	

#### DucoBox Energy Premium 325 - 400

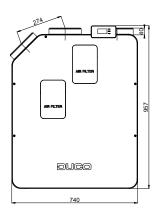
More details and final information can be found by scanning or clicking the QR codes.



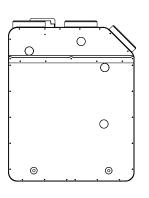
	or clicking the QR codes.	DucoBox Energy Premium			
Physical properties	325	400			
Width x Height x Depth (mm)	740 x 957 x	740 x 957 x 585 mm			
Casing	Coated sh	Coated sheet steel			
Colours	White +	White + green			
Connections	Interior diameter: Ø 160 mm -	Exterior diameter: Ø 190 mm			
Condensate drain	Ø 32 mn	n (1 ¼")			
Heat exchanger	PET / Poly	ystyrene			
Interior material	EPP / PF	P / ABS			
Weight	47	kg			
Power plug cable length	2 m (connected at the	e top side of the unit)			
Mounting	Wall mountin Floor mounting as an opt				
Miscellaneous properties	325	400			
Energy class	Control fact Othe				
Filters	Filter supply air (17 Standard: ISO 16890 Optional: ISO 16890 Filter exhaust air (1 Standard: ISO 16890	Coarse 65 % (≈ G4) 0 ePM1 70% (≈ F7) 75 x 500 x 25 mm)			
Summer bypass	Full (100% n	Full (100% modulating)			
Frost protection	Imbalance - Optional vi	Imbalance - Optional via proportional Heater			
Fans	EC fan with cu	EC fan with curved blades			
Automatic configuration	Yes (constar	Yes (constant pressure)			
Constant flow control	Ye	Yes			
Controls	Integrate Use via control switch Optionally via smartphone / tablet	es and room sensors			
Sensors	Integrated: pressure, temperature, humidity (via External: CO <sub>2</sub> (via optional room sensor), humidity ( (voltage-free in	via optional room sensor), external switch contact			
Communication	Stanc DUCO RF, DUCO Wi Can be expanded with ModBus, PWM-IN, PWM-OUT, Switch co	red, Switch contact Communication Print:			
Electrical characteristics	325	400			
Maximum electrical capacity at 150 Pa	120 W (2 x 60 W)	183 W (2 x 91.5 W)			
Maximum electrical capacity heater	1,000	0 W			
Power supply	230 V, 50 Hz - via 3-core	e cable with earth plug			
Plugs	0-10 V in/	0-10 V in/outputs			
Motor type	Do	С			
IP class	IP4	40			
Efficiency	At 228 m³/h: 87 % At 275 m³/h: 86 % At 332 m³/h: 85 %	At 301 m³/h: 85 % At 351 m³/h: 85 % At 401 m³/h: 84 %			

#### **Left model**

#### Front view

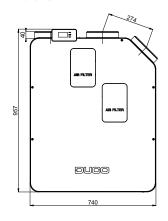


Rear view

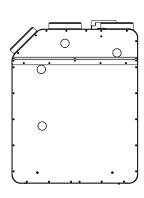


**Right model** 

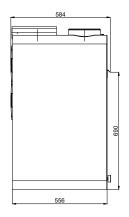
Front view

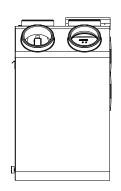


Rear view

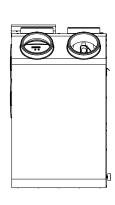


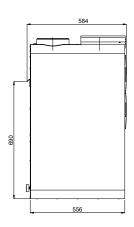
Side view



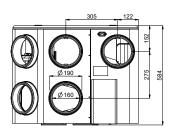


Side view

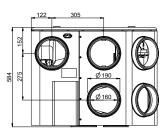




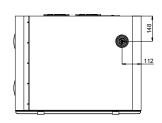
Top view



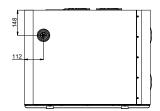
Top view



#### Bottom view



#### Bottom view

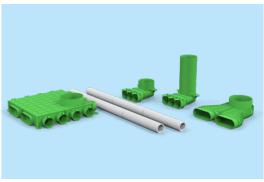


### Total ventilation package

Are you looking for a total ventilation package? Then you are best going to just one address. With DucoFlex, Daikin provides a complete air duct system for CHRV. When you use DucoFlex, you will also benefit from the 'Zero Noise' guarantee package. This consists of the highest airtightness class D, the lowest air resistance and maximum acoustic comfort with the quietest ventilation system in Europe! The result is an energy-efficient and quiet ventilation system

Did you know that this complete air duct system is very easy to install? This is thanks to the handy 'Click & Go' principle and minimum number of fittings. Daikin as a one-stop-shop with 100 % service provision.





**✓** DucoFlex

Complete air ducting system for CHRV

✓ 'Click & Go' system

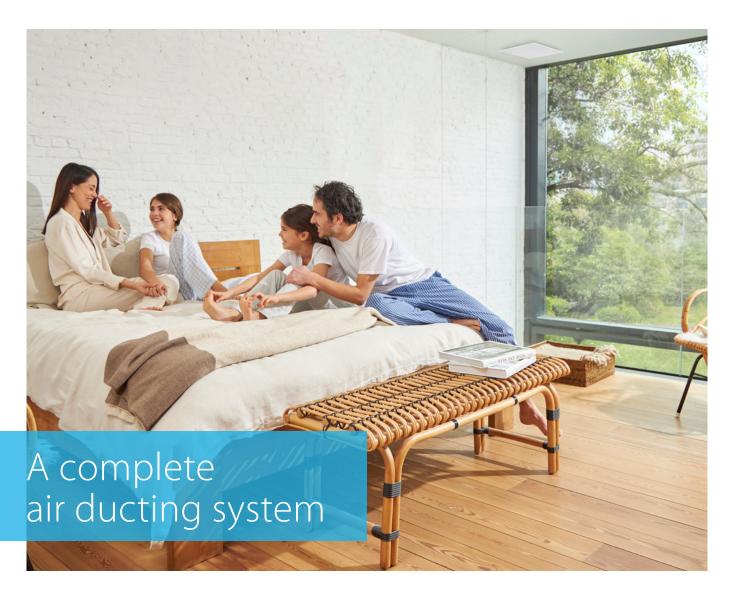
Flexible ducting with convenient click system

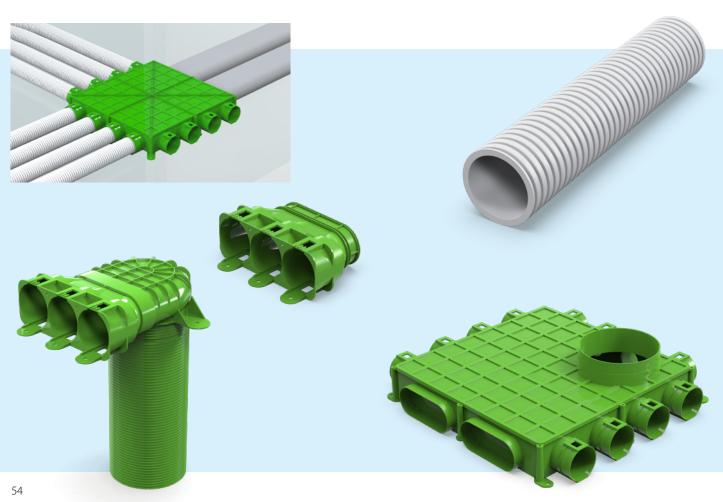
✓ 'Zero noise' guarantee

Meets the most stringent requirements

✓ 100% service

Complete ventilation package with support





# Offering ducoflex accessories to provide you a total solution for your ventilation needs

With the arrival of the DucoFlex air duct system, thanks to DUCO, Daikin can provide a total residential ventilation solution. From vents, to ducts and including a complete range of ventilation boxes. In short, together with DUCO, we have all we need in-house for a high-quality residential ventilation system.

#### Supply and exhaust vents

A wide range of supply and exhaust vents with a fitting diameter of Ø125 mm. Duco vents distinguish themselves through simple calibration, fast installation, aesthetics, acoustics and easy maintenance.



#### **Silencers**

Flexible or rigid attenuators that have pre-fitted connectors. Thanks to their sound-reducing properties, the DucoFlex attenuators are an essential part of the "Zero Noise" guarantee package from Duco.



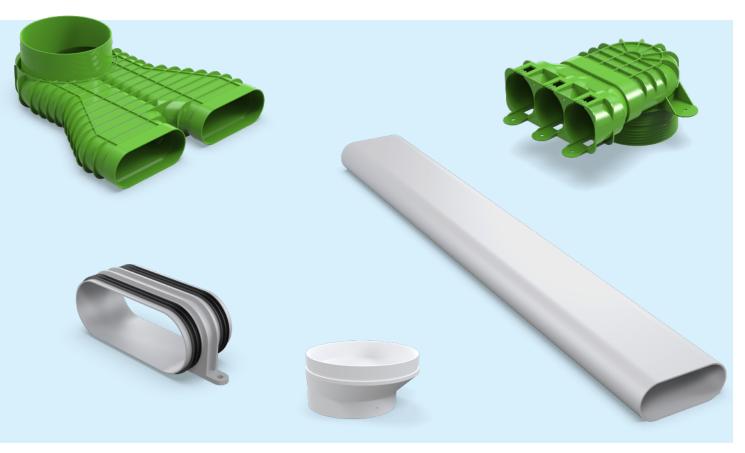
#### Wall and roof feed-through

A complete range of roof and wall feed-throughs, available in different materials and colours. The connection diameters of Ø160 mm and Ø180 mm are in line with that of most conventional riser ducts and DucoFlex insulated ventilation ducts.



The range of insulated EPP and EPS ducts with a diameter of Ø160 mm or Ø180 mm are simple to connect to Duco's air duct system. With a limited number of parts, it's easy to create a thermally **insulated connection** between the ventilation unit and the roof/wall feed-through.





#### DucoBox Energy Series



#### DucoBox Energy Premium

Article Number	Description
00004358	DucoBox Energy Premium 325 - 1ZS Left
00004360	DucoBox Energy Premium 325 - 1ZH Left
00004366	DucoBox Energy Premium 400 - 1ZS Left
00004368	DucoBox Energy Premium 400 - 1ZH Left
00004362	DucoBox Energy Premium 325 - 2ZS Left
00004364	DucoBox Energy Premium 325 - 2ZH Left
00004370	DucoBox Energy Premium 400 - 2ZS Left
00004372	DucoBox Energy Premium 400 - 2ZH Left
00004359	DucoBox Energy Premium 325 - 1ZS Right
00004361	DucoBox Energy Premium 325 - 1ZH Right
00004367	DucoBox Energy Premium 400 - 1ZS Right
00004369	DucoBox Energy Premium 400 - 1ZH Right
00004363	DucoBox Energy Premium 325 - 2ZS Right
00004365	DucoBox Energy Premium 325 - 2ZH Right
00004371	DucoBox Energy Premium 400 - 2ZS Right
00004373	DucoBox Energy Premium 400 - 2ZH Right



#### **DucoBox Energy Comfort Plus**

	Article Number	Description
NEW	00004706	DucoBox Energy Comfort Plus D550
<b>NEW</b>	00004705	DucoBox Energy Comfort Plus D450
NEW	00004704	DucoBox Energy Comfort Plus D350



#### DucoBox Energy Comfort

Article Number		Description	
NEW	00004707	DucoBox Energy Comfort D400	
	00004485	DucoBox Energy Comfort 325 (Name will change during FY24 to 00004649 and Comfort D325)	
NEW	00004657	DucoBox Energy Comfort D325 FR (NF Unit: France only)	

#### Controllers, sensors, ...

Article Number	Description
00004174	Switch sensor (Energy Premium / Comfort / Comfort Plus)
00004374	Humidity Sensor (Energy Premium)
00004723	Humidity Sensor (Energy Comfort & Energy Comfort Plus
00004603	CO <sub>2</sub> Sensor RF / Wired (User control + Air quality measurement - Black
00004604	CO <sub>2</sub> Sensor RF / Wired (User control + Air quality measurement - White
00004605	Humidity Sensor RF / Wired (User control + Air quality measurement - Black)
00004606	Humidity Sensor RF / Wired (User control + air quality measurement - White)
00004175	User controller RF / Battery (Black)
00004600	User controller RF / Battery (White)
00004601	User controller RF / Wired (Black)
00004602	User controller RF / Wired (White)
00004636	CO <sub>2</sub> Room sensor without control RF/Wired (Air quality measurement only - Black)
00004637	CO <sub>2</sub> Room sensor without control RF/Wired (Air quality measurement only - White)





#### DucoVent Basic, Comfort, Design, ...

Article Number		Description	
00004178		DucoVent Basic (supply and exhaust)	
NEW	00004769	DucoVent Comfort	
00004179		DucoVent Design square standard AK (exhaust) - RAL 9010	
00004226		DucoVent Design square XL AK (supply and exhaust) - RAL 9010	
00004210		DucoVent Design round AK (supply and exhaust) - RAL 9010	
00004211		DucoVent Design rounded square standard AK (exhaust) - RAL 9010	
00004227		DucoVent Design rounded square XL AK (supply and exhaust) - RAL 9010	
	10300800	DoorVent RAL 9001	
10300700		DoorVent RAL 9010	



#### Options & accessories

#### Filters, siphons, mounting chair, ...

Article Number	Description
00004376	Siphon flat (Energy Premium & Comfort)
00004422	Mounting chair hanging (Energy Premium)
00004546	Mounting chair standing (Energy Comfort D325)
NEW 00004740 Standing chair (Energy Premium / Comfort D400/Plus)	
00004418	Coaxial cable set 8m (Energy Premium / Comfort / Comfort Plus)



#### Power adapter/power supply

Article Number		Description
NEW	00004762	Duco Wired power adapter 230VAC-24VDC/20W
NEW	00004763	Power supply 230VAC-24VDC/20W + housing



#### **Filters**

Article Number		Description
00004417		Filter set 2 x Coarse 65 % (Energy Premium)
00004416 Filter set Coarse 65 % / ePM1 70 % (Energy Premium)		Filter set Coarse 65 % / ePM1 70 % (Energy Premium)
NEW 00004661 Filterset Coarse 65% / ePM1 55% (Energy Comfort D325)		Filterset Coarse 65% / ePM1 55% (Energy Comfort D325)
	00004547	Filter set 2 x Coarse 65 % (Energy Comfort D325)
NEW	W 00004741 Filterset 2 x Coarse 65 % (Energy Comfort D400 & Plus D350/D450/D550)	
NEW	W 00004742 Filterset Coarse 65% / ePM1 55% (Energy Comfort D400 & Plus D350/D450/D550)	



#### Pre-heater & Multizone Valve

Article Number		Description
NEW	00004807	Pre-Heater DucoBox Energy Comfort (Plus) - 1,425W (available from 1/4/2023)
NEW	00004825	Pre-Heater DucoBox Energy Comfort (Plus) UK - 1,425W (available from 1/4/2023)
NEW	00004761	Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø125
NEW	00004760	Multizone Valve DucoBox Energy Comfort (Plus) (Sensorless) Ø160



#### **Communication prints**

Article Number		Description	
00	0004251	Communication print (Energy Premium & Comfort)	
NEW 00	004810	Connectivity Board; Modbus; WIFI	



#### **DucoFlex Standard Components**

Article Number	Description	
00004552	DucoFlex round semi-rigid duct D63 (50 m)	
00004674	DucoFlex round semi-rigid duct D75 (50 m)	
00004692	DucoFlex round semi-rigid duct D90 (50 m)	
00004553	DucoFlex rubber O-ring D63 (10 pieces)	
00004675	DucoFlex rubber O-ring D75 (10 pieces)	
00004676	DucoFlex rubber O-ring D90 (10 pieces)	
00004554	DucoFlex Coupling D63	
00004677	DucoFlex Coupling D75	
00004678	DucoFlex Coupling D90	
00004679	DucoFlex Elbow 90° D75	-
00004680	DucoFlex Elbow 90° D90	
00004681	DucoFlex 90° Bend splitter vent connector long - oval/D125	
00004682	DucoFlex 90° Bend splitter vent connector short - oval/D125	
00004563	DucoFlex Manifold box (floor) 12x63 D180	
00004564	DucoFlex Manifold box (ceiling) 12x63 D180	No. of the last of
00004565	DucoFlex Manifold box (floor) 12x63 + 2 x oval air ducts	
00004701	DucoFlex Manifold box (floor and ceiling) $3 \times 0$ oval air ducts (F) $+ 1 \times 0$ oval air duct (M)	- A-14
00004687	DucoFlex Manifold box (floor and ceiling) 4 x oval air ducts (F) D160	Alle Sales
00004566	DucoFlex connector riser round D160 - 2 oval	
00004684	DucoFlex Adapter 3x63 oval	
00004685	DucoFlex Adapter 2x75 oval	
00004841	DucoFlex Adapter 3x75 oval	Carried Carrie
00004686	DucoFlex Adapter 2x90 oval	30)
00004555	DucoFlex clamp coupling D63	
00004829	DucoFlex clamp coupling D75/D90	
00004567	DucoFlex oval air duct B163xH68xL1,150	
00004609	DucoFlex horizontal elbow 90°/45° rigid oval duct	
00004699	DucoFlex vertical elbow 90° rigid oval duct	
00004568	DucoFlex oval duct coupling	
00004638	DucoFlex horizontal connector oval - D125	D 4
00004700	DucoFlex horizontal connector D160 2 x oval	
00004713	DucoFlex Oval Cap	
00004543	Reducer 160 / 125	
00004542	Reducer 125 / 80	
00004627	DucoFlex Wall feed-through D160 white	_
00004584	DucoFlex Wall feed-through D160 black	
00004628	DucoFlex Wall feed-through D180 white	
00004585	DucoFlex Wall feed-through D180 black	
00004582	DucoFlex Roof feed-through Compact D160 - Slate	2.4
00004580	DucoFlex Roof feed-through Compact D160 - Terracotta	(I)
00004578	DucoFlex universal roof feed-through D160/180 (1.0 m)	
00004581	DucoFlex Roof feed-through plate flat roof D204	
00004579	DucoFlex universal roof feed-through tile D205	

Article Number	Description	
00004586	DucoFlex Silencer flexible D125 L1,000	
00004630	DucoFlex Silencer flexible D125 (M/F) L1,000	
00004631	DucoFlex Silencer flexible D160 (M/M) L1,000	
00004632	DucoFlex Silencer flexible D180 (M/M) L1,000	50000
00004587	DucoFlex Silencer semi rigid D160 (M/M) L1,000 mm	
00004588	DucoFlex Silencer semi rigid D180 (M/M) L1,000 mm	
00004724	Muff with rubber D160/D160 (M/M) [connection piece with joint]	
00004725	Muff with rubber D180/D160 (M/M) [connection piece with joint]	3 3
00004726	Muff with rubber D180/D180 (M/M) [connection piece with joint]	
00004727	Muff with rubber D200/D180 (M/M) [connection piece with joint]	
00004569	DucoFlex insulated circular duct with integrated coupler D160 L1,000	
00004570	DucoFlex insulated circular duct with integrated coupler D180 L1,000	
00004571	DucoFlex insulated 90° bend with integrated coupler D160	
00004572	DucoFlex insulated 90° bend with integrated coupler D180	
00004573	DucoFlex insultated 45° bend with integrated coupler D160	
00004574	DucoFlex insultated 45° bend with integrated coupler D180	
00004575	DucoFlex insulated coupler D160	
00004576	DucoFlex insulated coupler D180	

#### Tools

Article Number	Description
00004599	DucoFlex Tube cutter D63
00004688	DucoFlex Tube cutter D75
00004689	DucoFlex Tube cutter D90





#### Your next heating system will be a heat pump

Heat pumps are ready to take on the challenge of home decarbonization and Daikin is ready to be the most suitable partner in this challenge.

Home decarbonisation is the sustainability challenge of today. It's the newest addition to the global paradigm shift towards a more sustainable economy. In the automotive industry, agriculture and even in air travel, efforts have already been made to reduce or eliminate carbon emissions from energy sources. Next on the list: homes.

The European Union pledged to "play a central role" in achieving net-zero greenhouse gas emissions by 2050.

#### In order to achieve their goals, they are betting on heat pumps

And at Daikin, we are convinced that they're right. Heat pumps are more than ready to take on the challenge of home decarbonisation. They are not a technology of the future, but an established solution, ready to provide comfort.

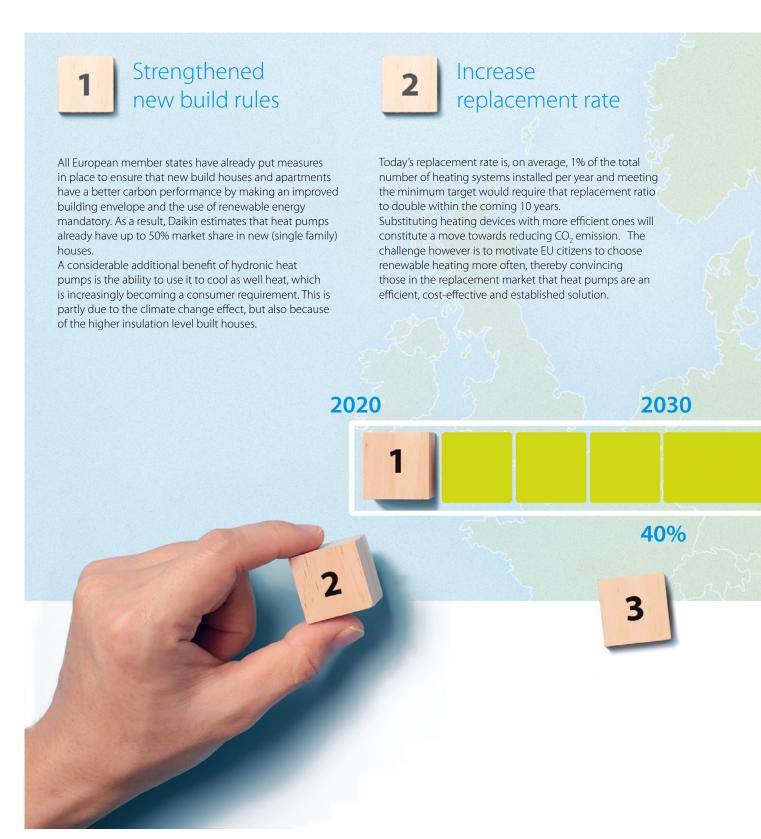
#### Did you know?

In several European countries, heat pumps are already installed in more than 50% of new buildings. In renovations, heat pumps are increasingly being considered as a replacement for boilers, especially for high-temperature models with a similar leaving water temperature of 70 °C.

## Heating

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# 4 Steps to decarbonising residential heat



One of the biggest challenges we face to ensure a healthy and sustainable environment and contribute to carbon neutrality is to maximize usage of renewable energy, specifically when heating our homes. The majority of residential housing is still heated with outdated systems, often using polluting fossil fuels such as coal and oil.

The challenge involved in tackling this is made all the more clear by The European Green Deal, which is a set of policy initiatives by the European Commission with the key aim of making Europe climate neutral in 2050 using green technology. Heat pumps start to play a crucial role in decarbonizing Europe, and in certain areas there has already been an impressive uptake. For example, heat pumps are the default heating system in Sweden and enjoy 50% of the market share in new builds in some European countries.

However, in the whole of Europe, renewable heating via heat pumps represents only 10% of all heating systems installed annually. This contrasts sharply with the EU Commission's ambitious target by 2030: 40% penetration of renewables in heating and cooling. At Daikin, we see the solution will be to take 4 steps to decarbonizing residential heat, in order to achieve the EU Commission's targets by 2030.

End fossil fuel incentives

Policy makers could avoid incentives for for

Policy makers could avoid incentives for fossil fuels.
Currently, direct or indirect incentives benefit oil or gas-based boilers, due to different taxation of heat pumps compared with boilers for instance.

While doing this, the gap between today's electricity and gas prices in many member states is too high to make a heat pump an economically attractive investment for EU citizens. In the short term, government incentives can help accelerate the transition to carbon-neutral heating and make heat pumps accessible to all Europeans, but in the longer term more balanced energy prices and a correct indication of the energy and carbon performance of a building need to support the end user motivations to invest in heat pump technology.

4

## Renewable heating standard in replacement

At Daikin, we believe heat pump systems have to become the standard when replacing heating systems. It is a fact that heat pumps are increasingly capable of high efficiencies, even at lower outdoor temperatures. The hydronic heat pump technology has developed quickly in recent years, making it fit for any type of residential building in Europe whether it is for the new build market or the replacement market. By increasing the share of green electricity to 60% of total EU electricity production, heat pumps will continue to increase their contribution to a decarbonized residential heating world.

2050

4

100%

#### The future

At Daikin we're excited and passionate about taking on the changing environment and playing a key role in bringing this innovative technology into people's homes while ensuring all stakeholders, such as installers and architects, are on board.

We can do our bit as well by making installation as simple as possible through great design. Europe has the technology, the expertise and the investments to expand the heat pump market further. From single family to multi-family homes, from small to large commercial buildings and industrial plants, heat pumps today are ready to go mainstream.

All the signs are indicating that we need to act now! Let's convince those in the replacement market that heat pumps are the future and increase awareness regarding energy, cost-efficiency and environment-related advantages.

# Stand By Me,

## a journey to customer satisfaction

It's time to relax. With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market. Stand By Me eliminates your clients' worries and provides them with a free, extended warranty, quick follow-up from Daikin service providers, and additional warranties for specific parts.

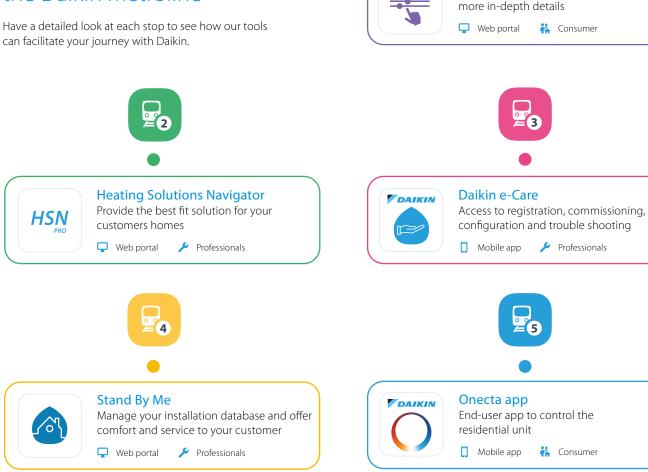
**NEW** 

**Heat Pump Calculator** 

Provides you with leads that come with

#### Discover in detail the Daikin Metroline

can facilitate your journey with Daikin.



#### **NEW**

#### Discover the new features

We keep investing in the support towards our installers. With your Daikin account, you have access to Stand By Me and the Heating Solutions Navigator online. Use the same account to access the Daikin e-Care app. The tools offer now new features, check it out!



#### **Heating Solutions Navigator**

Newest function: Multi-Family Home Daikin Home Controls



#### **Heat Pump Calculator**

Summer Cooling Winter Heating



#### Stand By Me

Newest functions: Trainings for professionals (SBM CP Program) Direct Service offering from professionals to end-users via SBM ((Daikin à la Carte)



#### Daikin e-Care

Newest function: Guided commissioning via online check list Support for trouble shooting Direct access to installation manuals

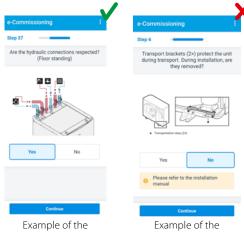
#### Guided commissioning via online checklist

e-Commissioning is the latest tool released in the e-Care app, aiming to improve the quality and reliability of Daikin installations. It is a step-by-step checklist that assists service partners during the commissioning of the unit.

- > Product-specific and country-specific checklist, to ensure maximum flexibility of use and compliance with local requirement
- > Get instant feedback if there are problems with the checklist (screen will display an error message)
- > Generated PDF report available at all times via the e-Care app or via the SBM professional portal
- > Generated commissioning declaration that is automatically sent to the end user in case of successful commissioning
- > Possibility to save a draft of the checklist at any time
- > Offline use (from Dec '23)
- > Possibility to upload pictures of the installation site (from April '24)
- > Possibility to add end user and professional signatures (from Dec '23)
- > Available for Altherma units



e-Care installation details after Registration



correct answer



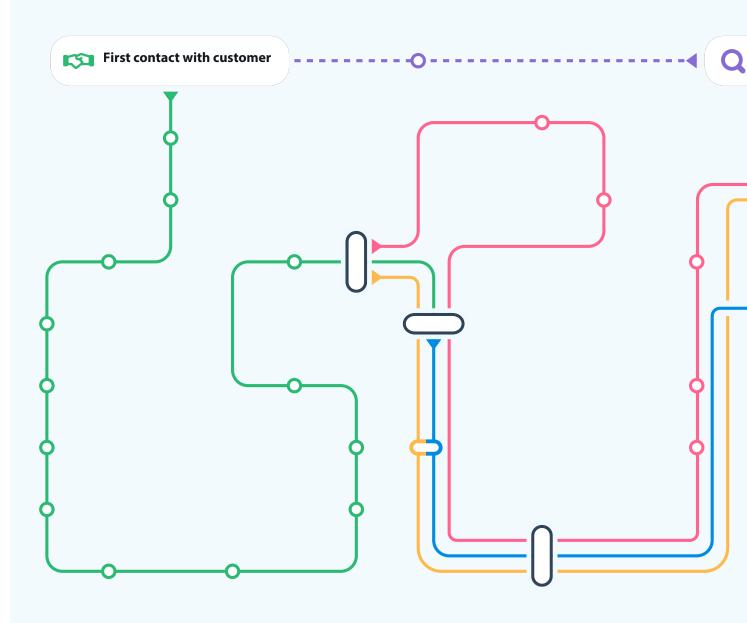




Scan the QR code to download Daikine e-Care now

#### Get on board on our train to ultimate customer satisfaction

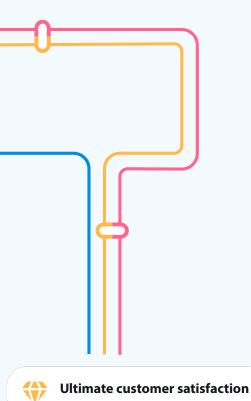
On our underground map, you can discover all the tools we offer to Daikin installers to help them from the first point of contact with a new client, to the maintenance and repair after installation.





Scan the QR code or go to http://metro.standbyme.daikin.eu for the tool

#### **Customers explore solutions**



#### **Heating Solutions Navigator**

Do the radiator test

Simplified heat load

Room by Room Heat Load Calculation

Radiator selection

Heatpump Convector

End user quotation

Piping & Wiring

Thermal solar calculation tool

Underfloor heating

Pipe sizing

Ventilation

Literature

Economic Viability Study

e-Configuration tool

Installation registration

#### Daikin e-Care

e-Configuration tool
Hydrobalancing tool
Installation registration
Commissioning tool
Maintenance
Maintenance guide
e-Doctor
Installation monitoring
Spareparts ordering
Repair

#### **Stand By Me**

e-Configuration tool
Installation registration
Installation monitoring
Warranty extension
Maintenance
Repair

#### **Daikin ONECTA App**

Installation registration

Warranty extension

Maintenance

Repair

Remote control

#### **Heat Pump Calculator**

O Heat Pump Calculator

# Stand By Me Certified Partner



#### Purpose of the programme

The programme was created to provide you and your customers **peace of mind**, ensuring **highest installation quality** and **after sales care** throughout the product lifespan.

We want to support our installer networks and provide you with **extensive training** given by Daikin professionals. Thanks to that, you will be able to **grow your business** with the **endorsement of a globally recognized brand**.

#### Benefits

- Set yourself apart from the competition with specialized knowledge to maximize installation speed, assure best quality and minimise the needs for call-backs after installation
- Help you grow your business and expand your network with an advanced product trainings, strong technical foundation and enhanced visibility with Stand By Me Certified Partner logo
- Customers **value highly qualified professionals** with **recognized certification.** You provide them with an additional label of trust along with comprehensive product lifespan care of Daikin Altherma units..
- Access to the wearables, professional protective equipment and accessories exclusive to the Stand By Me Certified Partner network.



#### Certification levels

The authorization level depends on your programme participation. As a Certified Partner you are granted to conduct after-sales services for a specific product range.

#### There are 2 different programmes:

- > Programme 1 applies to Daikin Altherma units based on R-32 refrigerant
- > Programme 2 applies to Daikin Altherma units based on R-290 refrigerant

#### Programme 1: Daikin Altherma - R-32 range

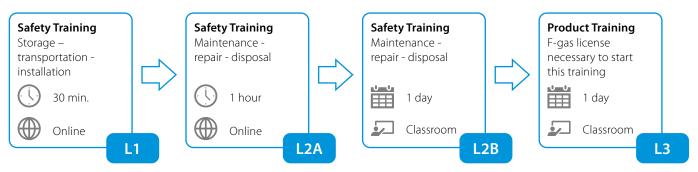
To perform maintenance/repair



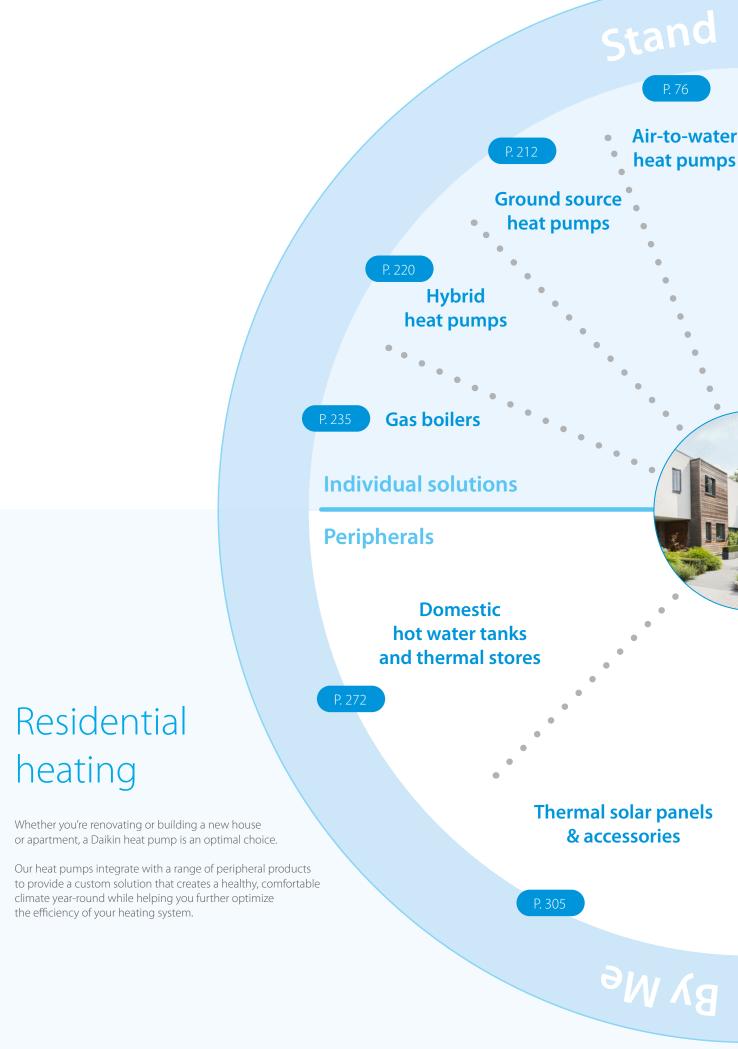
This training is necessary to perform maintenance and repair activities on R-32 products for contracts on Stand By Me platform that belong to the Daikin Altherma 3 series.

#### Programme 2: Daikin Altherma - R-290 range

To perform commissioning/maintenance/repair

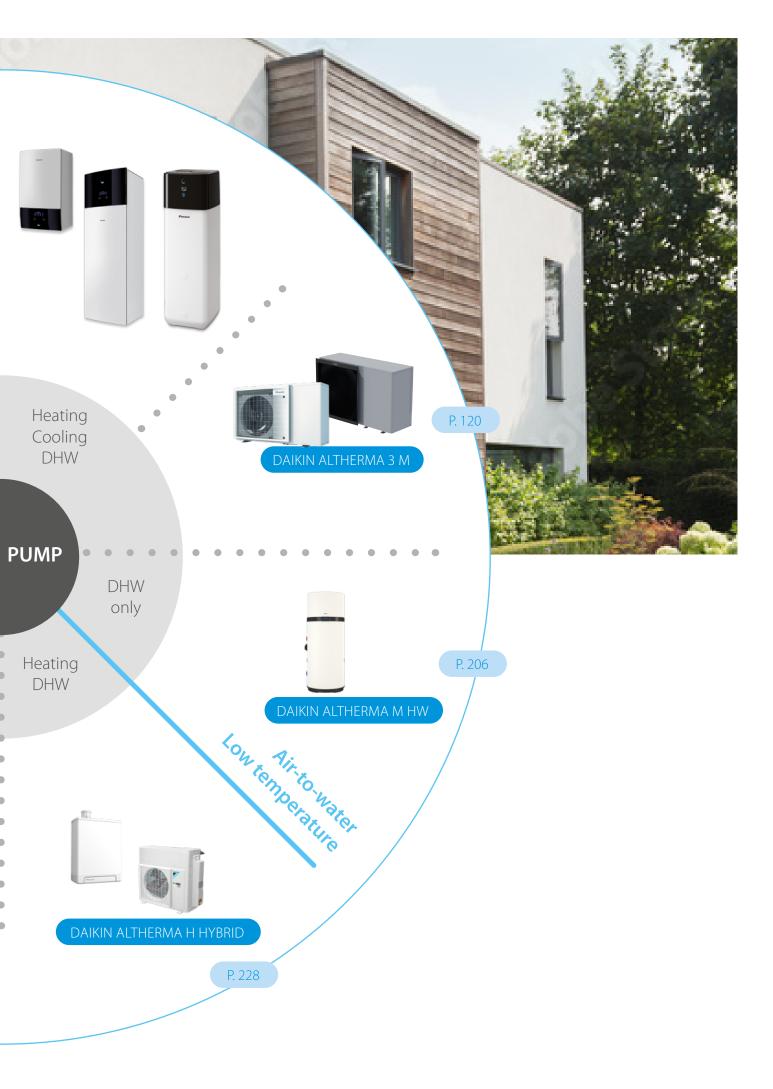


These trainings are necessary to perform commissioning, maintenance and repair activities on R-290 products that belong to the Daikin Altherma 4 series.











### Heat Pumps

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### Why choose **Daikin Altherma 3 R**?

Bluevolution technology combines very high efficient compressors developed by Daikin with the future of refrigerants: R-32.



#### Easy to install

- Delivered ready to operate: all key hydraulic elements are factory mounted
- > All servicing can be done from the front and all pipings can be accessed at the top of the unit
- > Black and white modern design
- Reduced installation time: the outdoor unit is tested and charged with refrigerant

#### Easy commissioning

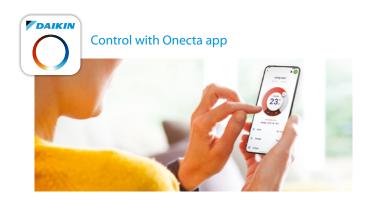
- > Integrated high resolution colour interface
- > Quick wizard allowing commissioning in maximum 9 easy steps to have the full system ready to operate
- Configuration can take place remotely to upload later on the unit after the day of the installation

#### Easy to control

- > The combined effect of the Daikin Altherma weather dependent set-point controls and its inverter compressor ensures consistent room temperatures at all times.
- Control your system from anywhere at any time via the Onecta app. This online controller allows adjustment of home comfort levels to suit individual preferences while achieving further energy efficiencies. The R-32 Daikin Altherma 3 R range can also be fully integrated with other home control systems

#### High performance

- > Leaving water temperature up to 65 °C at high efficiency
- > Suitable for both underfloor heating and radiators
- > Pedigree trademark in forst protection down to -25 °C, ensuring reliable operation even in the coldest climates
- > The Bluevolution technology offers the highest performance:
  - Seasonal efficiency up to A+++
  - Heating efficiency up to a COP of 5.1 (at 7 °C/35 °C)
  - Domestic hot water efficiency up to COP of 3.3 (EN16147)
- > Available in 4, 6 and 8 kW



# **Daikin Altherma 3 R** offers a wide range to adapt to your customers needs



#### **Best seasonal efficiencies**

providing the highest savings on running costs



Perfect fit for

**new buildings,** as well as for low energy houses



A leaving water

temperature up to 65 °C makes it also **a suitable** 

choice for refurbishments

To cover all applications, the Daikin Altherma 3 R is available in

#### 3 different indoor units



#### Daikin Altherma 3 R F

#### Floor standing unit with integrated domestic hot water tank

Compact and yet 100% comfort guaranteed

- All components and connections are factory mounted
- Very small 595 x 625 mm installation footprint required
- Minimum electrical input with constantly available hot water
- Dedicated Bi-Zone models available: two temperature zones automatically regulated by the same indoor unit
- Modern stylish design available in white or silver-grey
- > Compatible with the Onecta app
- > Voice control available



#### Daikin Altherma 3 R ECH<sub>2</sub>O

#### Floor standing unit with integrated ECH₂O tank

Integrated solar unit and domestic hot water tank

- Maximising renewable energy with top comfort for hot water preparation
- > Solar support for domestic hot water
- > Lightweight plastic tank
- Bivalent option: can be combined with a secondary heat source
- > App control available



#### Daikin Altherma 3 R W

#### Wall mounted unit

High flexibility for installation and domestic hot water connection

- Compact unit with small installation (almost no side clearance is required)
- Can be combined with a space separate domestic hot water tank up to 500 litres, with or without solar support
- > Stylish modern design
- > Compatible with the Onecta app
- > Voice control available









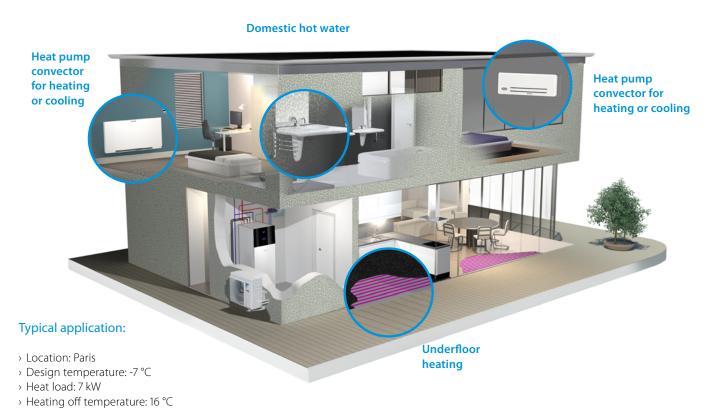


# Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system **to deliver heating, domestic hot water and cooling** for new build and low energy houses.

#### All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems
- Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater choice of 3, 6, 9 kW
- Dedicated Bi-Zone models allowing temperature monitoring for 2 zones connect underfloor heating to radiators for optimise efficiency



# All-in one design

# Reduces the installation footprint and height

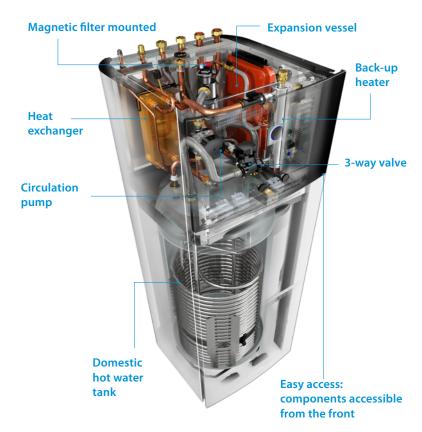
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1.65 m for a 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2 m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



#### Advanced user interface



#### The Daikin Eye

The intuitive Daikin eye shows you in real time the status of the system. Blue is perfect! Should the eye turn red, an error has occured.

#### Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### Integrated indoor unit







#### Floor standing air to water heat pump for **heating** and hot water; ideal for low energy houses

- > A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater choice of 6 or 9 kW
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Compatible with the Onecta app
- > Voice control available



More details and final information can be found by scanning or clicking the QR codes.



















ERGA-EV(H)(7)



EHVH-E6V





ED.C.A. EV.(1)

ncv data	EHVH + ERGA	04S18E6V	04S23E6V	08S18E6V/9W	08S23E6V/9W	08S18E6V/9W	08S23E6VE/9
EHVH-E6V	回於開始來認知 EHVH-E9VV	EF	KGA-EV		GA-EVH	EK	GA-EVH/

Efficiency data			EHVH +	ERGA	04S18E6V + 04EV	04S23E6V + 04EV	08S18E6V/9W + 06EVH	08S23E6V/9W + 06EVH	08S18E6V/9W + 08EVH7	08S23E6VE/9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)	/4.60 (2)	6.00 (1)	/5.90 (2)	7.50 (1)	/7.80 (2)
Power input	Heating	Nom.	kW		0.850 (1	)/1.26 (2)	1.24 (1)	/1.69 (2)	1.63 (1)	/2.23 (2)
COP					5.10 (1).	/3.65 (2)	4.85 (1)	/3.50 (2)	4.60 (1)	/3.50 (2)
Space heating	Average	General				3	3.26		3	.32
	climate water		ns (Seasonal space % heating efficiency)			127 130				
outlet 55 °C		Seasonal space heating eff. class								
	Average	General	SCOP		4.	48	4	.47	4	.56
	climate water		ns (Seasonal space heating efficiency)	%			176		1	79
	outlot 25 °C		Seasonal space heating eff. class				A	+++		
Domestic hot	General Declared load pro	oad profile		L	XL	L	XL	L	XL	
water heating	Average nwh (water heating efficiency)  Water heating energy efficiency class	r heating efficiency)	%	125	133	125	133	125	133	
					Į.	\+				

		water meatr	ng energy emicient	y class	т.					
Indoor Unit				EHVH	04S18E6V	04S23E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W
Casing	Colour						White	+ Black		
	Material						Resin / Sh	eet metal		
Dimensions	Unit	HeightxWidthxDepth mr			1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625
Weight	Unit			kg	119	128	119	128	119	128
Tank	Water volui	me		- 1	180	230	180	230	180	230
Maximum water te	water tempera	iture	°C		70					
	Maximum v	water pressure	•	bar			1	0		
	Corrosion p	orotection				Pickling				
Operation range	Heating	Ambient	Min.~Max.	°C			5~	30		
		Water side	Min.~Max.	°C			15	~65		
	Domestic	Ambient	Min.~Max.	°CDB			5~	35		
	hot water	Water side	Max.	°C			7	0		
Sound power level	Nom.			dBA			2	2		
Sound pressure level	Nom.			dBA			2	8		

Sound pressure level	Nom.		dBA		28					
Outdoor Unit			ERGA	04EV	06EVH	08EVH7				
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388					
Weight	Unit		kg		58.5					
Compressor	Quantity			1						
	Туре			Hermetically sealed swing compressor						
Operation range	Cooling	Min.~Max.	°CDB	10~43						
	Domestic hot water	Min.~Max.	lax. °CDB -25~35							
Refrigerant	Туре				R-32					
	GWP				675.0					
	Charge		kg		1.50					
	Charge		TCO <sub>2</sub> Eq		1.01					
	Control				Expansion valve					
Sound power level	Heating	Nom.	dBA	58	60	62				
	Cooling	Nom.	dBA	61	6	2				
Sound pressure level	Heating	Nom.	dBA	44	47	49				
	Cooling	Nom.	dBA	48 49 50						
Power supply	Name/Phase/Frequenc	y/Voltage	Hz/V	V3/1N~/50/230						
Current	Recommended fuses		Α		25					
Current	Recommended fuses		Α		25					

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C); 2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.





Floor standing air to water heat pump for heating, **cooling and hot water**; ideal for low energy houses

- > A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater choice of 3, 6, 9 kW
- $\rightarrow$  Outdoor unit extracts heat from the outdoor air, even at -25  $^{\circ}\text{C}$
- > Compatible with the Onecta app
- > Voice control available



More details and final information can be found by scanning or clicking the QR codes.







ERGA-EV(H)(7)

EHVX-E6V











EHVX-E9W **ERGA-EV** 

ERGA-EVH

ERGA-EVH7

Efficiency data			EHVX + E	RGA	04S18E3V/E6V + 04EV	04S23E3V + 04E		08S18E6V/E9W + 06EVH	08S23E6V/E9W + 06EVH	08S18E6V/E9W + 08EVH7	08S23E6V/E9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)	/4.60 (2)		6.00 (1)	/5.90 (2)	7.50 (1)	/7.80 (2)
Power input	Heating	Nom.		kW	0.850 (1	)/1.26 (2)		1.24 (1)	/1.69 (2)	1.63 (1)	/2.23 (2)
Cooling capacity	Nom.		k		4.86 (1)	/4.52 (2)		5.96 (1)	/5.09 (2)	6.25 (1)	/5.44 (2)
Power input	Cooling	Nom.	kW		0.810 (1	)/1.36 (2)		1.06 (1)	/1.55 (2)	1.16 (1)	/1.73 (2)
COP					5.10 (1).	/3.65 (2)		4.85 (1)	/3.50 (2)	4.60 (1)	/3.50 (2)
EER					5.98 (1)	/3.32 (2)		5.61 (1)	/3.28 (2)	5.40 (1)	/3.14 (2)
Space heating			SCOP		3.29			3.28		3.35	
climate water		ns (Seasonal space heating efficiency)	%	1.	129		1	28	1	31	
	outlet 55 °C		Seasonal space heating eff. class					Α	++		
	Average	General	SCOP		4.	.54		4.52		4.61	
	climate water		ns (Seasonal space heating efficiency)	%	179			1	78	181	
	outlet 35 ℃		Seasonal space heating eff. class					A-	+++		
Domestic hot	omestic hot General	Declared lo	oad profile		L	XL		L	XL	L	XL
water heating	Average	ŋwh (wate	r heating efficiency)	%	127 125	134	133	125	133	125	133
	climate	Water heat	ting energy efficiency class					1	<b>\</b> +		

	Cililiate	water neati	ng energy emciency	y Class	A†							
Indoor Unit				EHVX	04S18E3V/E6V	04S23E3V/E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W		
Casing	Colour						White	+ Black				
	Material						Resin / Sh	neet metal				
Dimensions	Unit	HeightxWid	thxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit			kg	119	128	119	128	119	128		
Tank	Water volum	me		- 1	180	230	180	230	180	230		
	Maximum water temperature			°C			7	70				
_	Maximum v	vater pressure	2	bar		10						
	Corrosion p	rotection					Pick	kling				
Operation range	Heating	Ambient	Min.~Max.	°C	5~30							
		Water side	Min.~Max.	°C			15 -	~65				
	Cooling	Ambient	Min.~Max.	°CDB			5~	-35				
		Water side	Min.~Max.	°C			5~	~22				
	Domestic	Ambient	Min.~Max.	°CDB			5~	-35				
	hot water	Water side	Max.	°C			7	70				
Sound power level	Nom.			dBA			2	12				
Sound pressure level	Nom.			dBA			2	28				

Sound pressure level	Nom.		dBA		28				
Outdoor Unit			ERGA	04EV	06EVH	08EVH7			
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388				
Weight	Unit		kg		58.5				
Camprassar	Quantity				1				
Compressor	Type				Hermetically sealed swing compressor				
Oneration range	Cooling	Min.~Max.	°CDB		10~43				
Operation range	Domestic hot water	Min.~Max.	°CDB		-25~35				
	Туре				R-32				
	GWP				675.0				
Refrigerant	Charge		kg		1.50				
	Charge		TCO₂Eq		1.01				
	Control				Expansion valve				
Sound power level	Heating	Nom.	dBA	58	60	62			
Souria power level	Cooling	Nom.	dBA	61	6	2			
Sound pressure level	Heating	Nom.	dBA	44	47	49			
Journa pressure level	Cooling	Nom.	dBA	48	49	50			
Power supply	Name/Phase/Frequenc	y/Voltage	Hz/V	V V3/1N~/50/230					
Current	Recommended fuses		Α		25				

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.





#### Floor standing integrated with **two different** temperature zones monitoring

- > A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater choice of 6 or 9 kW
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Compatible with the Onecta app
- > Voice control available



More details and final information can be found by scanning or clicking the QR codes.























EHVZ-E6V	EHVZ-E9W	ERGA-EV	ERGA-EVH	ERGA-EVH7

Efficiency data			EHVZ + E	RGA	04S18E6V + 04EV	08S18E6V/E9W + 06EVH	08S23E6V/E9W + 06EVH	08S18E6V/E9W + 08EVH7	08S23E6V/E9W + 08EVH7						
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2) 6.00 (1)/5.90 (2)		/5.90 (2)	7.50 (1)/7.80 (2)							
Power input	Heating	Nom.	Nom. kW		0.850 (1)/1.26 (2)	1.24 (1)	/1.69 (2)	1.63 (1)	/2.23 (2)						
COP					5.10 (1)/3.65 (2)	4.85 (1).	/3.50 (2)	4.60 (1)	/3.50 (2)						
Space heating	Average	General	SCOP			3.26		3.	32						
	climate water		ns (Seasonal space heating efficiency)	%		127		1:	30						
	outlet 55 °C		Seasonal space heating eff. class												
	Average	General	SCOP		4.48 4.47		4.56								
	climate water	water	water	water	_				ns (Seasonal space heating efficiency)	%		176		179	
	outlet 35 °C		Seasonal space heating eff. class												
Domestic hot	General	Declared lo	oad profile			L	XL	L	XL						
water heating Avera	Average	ŋwh (wate	r heating efficiency)	%	125 133			125	133						
	climate	Water heat	Water heating energy efficiency class				A+								

Indoor Unit				EHVZ	04S18E6V	08S18E6V/E9W	08S23E6V/E9W	08S18E6V/E9W	08S23E6V/E9W		
Casing	Colour				White + Black						
	Material						Resin / Sheet metal				
Dimensions	Unit	HeightxWid	thxDepth	mm	1,650	x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit			kg		125	133	125	133		
Tank	nk Water volume			1	180 230 180						
	Maximum v	water tempera	iture	°C	70						
	Maximum v	water pressure	2	bar	10						
	Corrosion p	rotection					Pickling				
Operation range	Heating	Ambient	Min.~Max.	°C			5~30				
		Water side	Min.~Max.	°C			15 ~65				
	Domestic	Ambient	Min.~Max.	°CDB			5~35				
	hot water	Water side	Max.	°C			70				
Sound power level	Nom.			dBA	42						
Sound pressure level	Nom.			dBA	dBA 28						

Sound pressure level	Nom.		dBA		28					
Outdoor Unit			ERGA	04EV	06EVH	08EVH7				
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388					
Weight	Unit		kg		58.5					
Compressor	Quantity				1					
	Туре				Hermetically sealed swing compressor					
Operation range	Cooling	Min.~Max.	°CDB	10~43						
	Domestic hot water	Min.~Max.	°CDB		-25~35					
Refrigerant	Type				R-32					
	GWP				675.0					
	Charge		kg		1.50					
	Charge		TCO <sub>2</sub> Eq		1.01					
	Control				Expansion valv	e				
Sound power level	Heating	Nom.	dBA	58	60	62				
	Cooling	Nom.	dBA	61	6	2				
Sound pressure level	Heating	Nom.	dBA	44	47	49				
	Cooling	Nom.	dBA	48 49 50						
Power supply	Name/Phase/Frequence	y/Voltage	Hz/V	V3/1N~/50/230						
Current	Recommended fuses		Α		25					
				-						

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C); 2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.





The Daikin Altherma low temperature split integrated ECH<sub>2</sub>O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling.

#### Intelligent storage management

- > The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- > Continuous heating during defrost mode and use of stored heat for space heating (500 I tank only)
- Electronic management of both heat pump and ECH<sub>2</sub>O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- > Achieves the highest standards for water sanitation
- > Uses more renewable energy with solar connection

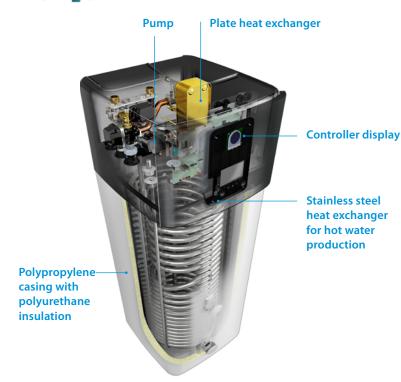
#### Innovative and high-quality tank

- > Lightweight plastic tank
- > No corrosion, anode, scale or lime deposits
- Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

#### Combinable with other heat sources

> The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

#### ECH<sub>2</sub>O



#### Advanced user interface



#### The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

#### Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

The user interface works really fast thanks to its iconbased menus.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home

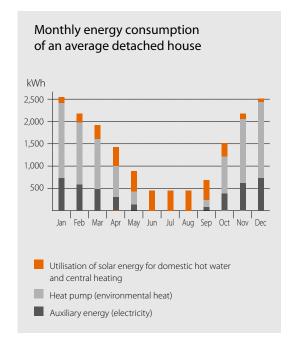
- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- > Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

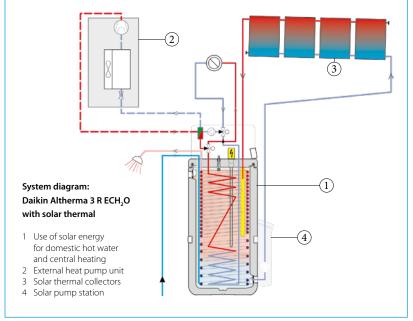
#### Pressureless (drain-back) solar system (EHSH-E, EHSX-E)

- > The solar collectors are only filled with water when sufficient heating is provided by the sun
- > The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- After filling, water circulation is maintained by the remaining pump

#### Pressurised solar system (EHSHB-E, EHSXB-E)

- > System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- > System is pressurised and sealed









#### Daikin Altherma 3 R ECH<sub>2</sub>O

#### Floor standing air to water heat pump for **heating** and hot water with thermal solar support

- > Integrated solar unit, offering top comfort in heating and hot water
- > Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Solar support of domestic hot water with pressureless (drain-back) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- > App control possible for managing heating, hot water and cooling operation
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Possible to connect to photovoltaïc solar panels to provide energy for your heat pump
- > Compatible with the Onecta app
- > Voice control available

can be found by scanning or clicking the QR codes.







EHSH-E **ERGA-EV**  **ERGA-EVH** 

ERGA-EVH7















Efficiency data			EHSH + I	ERGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7	
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	6.00 (1)/	/5.90 (2)	7.50 (1)	/7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1)/1.26 (2) 1.24 (1)/1.69 (2)			1.63 (1)	/2.23 (2)	
COP					5.10 (1)/3.65 (2)	4.85 (1)	/3.50 (2)	4.60 (1	)/3.50 (2)	
Space heating	Average	General	SCOP			3.26		3.32		
•	climate water		ns (Seasonal space heating efficiency)	%		127		130		
	outlet 55 °C		Seasonal space heating eff. class		A++					
	Average climate water	General	SCOP		4.48	4.47		4	.56	
		er	ns (Seasonal space heating efficiency)	%		176	179			
	outlet 35 °C		Seasonal space heating eff. class							
Domestic hot	General	Declared lo	ad profile			L	XL	L	XL	
water heating A	Average	ŋwh (watei	heating efficiency)	%	11	18	125	118	125	
	climate	Water heat	ing energy efficiency class				A+			

Indoor Unit				EHSH	04P30E	08P30E	08P50E	08P30E	08P50E		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material				Impact resistant polypropylene						
Dimensions	Unit	HeightxWid	lthxDepth	mm	1,892x5	94x644	1,905x792x812	1,892x594x644	1,905x792x812		
Weight	Unit			kg	7	7	107	77	107		
Tank	Water volu	Water volume I				94	477	294	477		
	Maximum v	Maximum water temperature °C			85						
Operation range	Heating	Ambient	Min.~Max.	°C			-25~25				
		Water side	Min.~Max.	°C			18~65				
	Domestic	Ambient	Min.~Max.	°CDB			-25~35				
	hot water	Water side	Min.~Max.	°C	C 25~55						
Sound power level	Nom.			dBA	39						

Sound power level	Nom.		dBA		39				
Outdoor Unit			ERGA	04EV	06EVH	08EVH7			
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388					
Weight	Unit		kg	58.5					
Compressor	Quantity				1				
	Туре				Hermetically sealed swing comp	oressor			
Operation range	Cooling	Min.~Max.	°CDB		10.0~43.0				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
	Type			R-32					
	GWP			675.0					
	Charge		kg	1.50					
	Charge		TCO <sub>2</sub> Eq	1.01					
	Control			Expansion valve					
Sound power level	Heating	Nom.	dBA	58	60	62			
	Cooling	Nom.	dBA	61	6	52			
Sound pressure	Heating	Nom.	dBA	44	47	49			
level	Cooling	Nom.	dBA	48	49	50			
Power supply	Name/Phase/Frequency/Voltage Hz/V			V3/1N~/50/230					
Current	Recommended fuses		Α		25				

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.





#### Daikin Altherma 3 R ECH<sub>2</sub>O

#### Floor standing air to water heat pump for **bivalent** heating and hot water with thermal solar support

- > Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- > Compatible with the Onecta app
- > Voice control available











**ERGA-EVH** 







More details and final information can be found by scanning or clicking the QR codes.



EHSHB-E ERG

ERGA-EV

ERGA-EVH7

Efficiency data			EHSHB + E	RGA	04P30E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	6.00 (1)	/5.90 (2)	7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.84 (1)/1.26 (2)	1.24 (1)/	1.69 (2)	1.63 (1)	/2.23 (2)
COP					5.10 (1)/3.65 (2)	4.85 (1)	/3.50 (2)	4.60 (1)	/3.50 (2)
Space heating	Average	General	SCOP		3.26			3.32	
•	climate water		ns (Seasonal space heating efficiency)	%		127		130	
	outlet 55 ℃		Seasonal space heating eff. class		A++				
	Average climate water	mate iter	SCOP		4.48 4.47			4.	56
			ns (Seasonal space heating efficiency)	%	176			179	
	outlet 35 °C		Seasonal space heating eff. class		A+++				
Domestic hot	General	Declared lo	ad profile			L	XL	L	XL
water heating	Average	ŋwh (water	heating efficiency)	%	118 125		125	118	125
	climate	Water heating energy efficiency class			A+				

Indoor Unit				EHSHB	04P30E	08P30E	08P50E	08P30E	08P50E		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material				Impact resistant polypropylene						
Dimensions	Unit	HeightxWid	lthxDepth	mm	1,892x5	94x644	1,905x792x812	1,892x594x644	1,905x792x812		
Weight	Unit			kg	79		110	79	110		
Tank	Water volume I				294		477	294	477		
	Maximum water temperature °C				85						
Operation range	Heating	Ambient	Min.~Max.	°C			-25~25				
		Water side	Min.~Max.	°C			18~65				
	Domestic	Ambient	Min.~Max.	°CDB			-25~35				
	hot water	Water side	Min.~Max.	°C			25~55				
Sound power level	Nom.			dBA	BA 39						

Sound power level	Nom.		dBA		39					
Outdoor Unit			ERGA	04EV	06EVH	08EVH7				
Dimensions	Unit	HeightxWidthxDepth	mm	740x884x388						
Weight	Unit		kg		58.5					
Compressor	Quantity				1					
	Type				Hermetically sealed swing co	mpressor				
Operation range	Cooling	Min.~Max.	°CDB		10.0~43.0					
	Domestic hot water	Min.~Max.	°CDB		-25 ~35					
Refrigerant	Type				R-32					
	GWP			675.0						
	Charge		kg		1.50					
	Charge		TCO <sub>2</sub> Eq	1.01						
	Control				Expansion valve					
Sound power level	Heating	Nom.	dBA	58	60	62				
	Cooling	Nom.	dBA	61		62				
Sound pressure	Heating	Nom.	dBA	44	47	49				
level	Cooling	Nom.	dBA	48	49	50				
Power supply	Name/Phase/Frequency/Voltage Hz/V			V3/1N~/50/230						
Current	Recommended fuses	Recommended fuses A 25								

(I) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.





#### Daikin Altherma 3 R ECH₂O

#### Floor standing air to water heat pump for heating, cooling and hot water with thermal solar support

- > Integrated solar unit, offering top comfort in heating, hot water and cooling
- > Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Solar support of domestic hot water with pressureless (drain-back) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- > App control possible for managing heating, hot water and cooling operation
- > Outdoor unit extracts heat from the outdoor air, even at -25 °C
- > Possible to connect to photovoltaïc solar panels to provide energy for your heat pump
- > Compatible with the Onecta app
- > Voice control available

011-1W0262 → 267



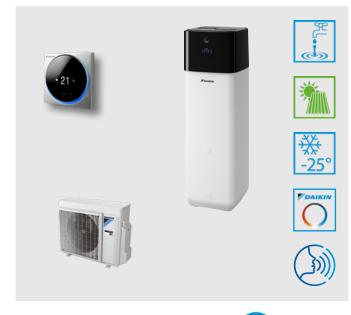
More details and final information can be found by scanning or clicking the QR codes.



**ERGA-EV** 

**ERGA-EVH** 

ERGA-EVH7















Efficiency data			EHSX + E	RGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/	4.60 (2)	6.00 (1)	/5.90 (2)	7.50 (1)	7.80 (2)
Power input	Heating N	lom.		kW	0.84 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
Cooling capacity	Nom.			kW	4.86 (1)	4.52 (2)	5.96 (1)	/5.09 (2)	6.25 (1)	/5.44 (2)
Power input	Cooling	Nom.		kW	0.81 (1)/	1.36 (2)	1.06 (1)	/1.55 (2)	1.16 (1)	/1.73 (2)
COP					5.10 (1)/	3.65 (2)	4.85 (1)	/3.50 (2)	4.60 (1)	/3.50 (2)
EER					5.98 (1)	3.32 (2)	5.61 (1)	/3.28 (2)	5.40 (1)	/3.14 (2)
	Average		SCOP		3.29		3.28		3.35	
Space heating	climate water	_	ns (Seasonal space heating efficiency)	%	129		1	28	1:	31
	outlet 55 °C		Seasonal space heating eff. class				ı	<b>\++</b>		
	Average	General	SCOP		4.54		4.52		4.61	
	climate water		ns (Seasonal space heating efficiency)	%	17	9	1	78	18	31
	outlet 35 °C		Seasonal space heating eff. class				A	+++		
Domestic hot	General	Declared lo	ad profile		L	XL	L	XL	L	XL
water heating	Average	ŋwh (water	nwh (water heating efficiency) %		118	125	118	125	118	125
	climate	Water heating energy efficiency class		A+						

Indoor Unit				EHSX	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material					Impact resistant polypropylene						
Dimensions	Unit	HeightxWid	lthxDepth	mm	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812		
Weight	Unit			kg	77	107	77	107	77	107		
Tank	Water volume I				294	477	294	477	294	477		
	Maximum v	Maximum water temperature °C						85				
	Heating	leating Ambient Min.~Max.			-25~25							
		Water side	Min.~Max.	°C	18~65							
	Cooling	Ambient	Min.~Max.	°CDB			10	~43				
		Water side	Min.~Max.	°C			5	~22				
	Domestic	Ambient	Min.~Max.	°CDB			-2!	5~35				
	hot water	Water side	Min.~Max.	°C			25	~55				
Sound power level	Nom.			dBA				39				

Sound power level	Nom.		dBA		39					
Outdoor Unit			ERGA	04EV	06EVH	08EVH7				
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388					
Weight	Unit		kg		58.5					
Compressor	Quantity				1					
	Туре				Hermetically sealed swing compressor					
Operation range	Cooling	Min.~Max.	°CDB		10.0~43.0					
	Domestic hot water	Min.~Max.	°CDB		-25 ~35					
	Type				R-32					
	GWP			675.0						
	Charge		kg		1.50					
	Charge		TCO₂Eq		1.01					
	Control				Expansion valve					
Sound power level	Heating	Nom.	dBA	58	60	62				
	Cooling	Nom.	dBA	61		52				
Sound pressure level	Heating	Nom.	dBA	44	47	49				
	Cooling	Nom.	dBA	48	49	50				
Power supply	Name/Phase/Frequenc	cy/Voltage	Hz/V		V3/1N~/50/230					
Current	Recommended fuses		Α	25						

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gase:





#### Daikin Altherma 3 R ECH₂O

Floor standing air to water heat pump for **bivalent heating**, **cooling and hot water** with thermal solar support

- > Integrated solar unit, offering top comfort in heating and hot water
- > Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- > Compatible with the Onecta app
- > Voice control available











ERGA-EVH







More details and final information can be found by scanning or clicking the QR codes.



XB-E ERGA-EV

GA-EV

ERGA-EVH7

Efficiency data			EHSXB + E	RGA	04P30E + 04EV	04P50E + 04EV	08P30E + 06EVH	08P50E + 06EVH	08P30E + 08EVH7	08P50E + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/	4.60 (2)	6.00 (1)	/5.90 (2)	7.50 (1),	/7.80 (2)
Power input	Heating N	lom.		kW	0.84 (1)/1.26 (2)		1.24 (1)/1.69 (2)		1.63 (1)/2.23 (2)	
Cooling capacity	Nom.	kV			4.86 (1)	4.52 (2)	5.96 (1)	/5.09 (2)	6.25 (1)	/5.44 (2)
Power input	Cooling	Nom. kV			0.81 (1)	1.36 (2)	1.06 (1)	/1.55 (2)	1.16 (1)	/1.73 (2)
COP					5.10 (1)/	3.65 (2)	4.85 (1)	/3.50 (2)	4.60 (1)	/3.50 (2)
EER					5.98 (1),	/3.32 (2)	5.61 (1)	/3.28 (2)	5.40 (1)	/3.14 (2)
Average		General SCOP			3.29		3.28		3.35	
Space heating	climate water	_	ns (Seasonal space heating efficiency)	%	129		1.	28	1.	31
	outlet 55 °C		Seasonal space heating eff. class				F	<b>\++</b>		
	Average	General	SCOP ns (Seasonal space % heating efficiency)		4.54		4.52		4.61	
	climate water				17	9	1	78	1:	81
	outlet 35 °C Seasonal space heating eff. class					A	+++			
Domestic hot	General	Declared lo	oad profile		L	XL	L	XL	L	XL
water heating	Average	ŋwh (wate	heating efficiency)	%	118	125	118	125	118	125
	climate	Water heating energy efficiency class		A+						

Indoor Unit				EHSXB	04P30E	04P50E	08P30E	08P50E	08P30E	08P50E		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material				Impact resistant polypropylene							
Dimensions	Unit	HeightxWic	lthxDepth	mm	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812	1,892x594x644	1,905x792x812		
Weight	Unit			kg	79	110	79	110	79	110		
Tank	Water volume I				294	477	294	477	294	477		
	Maximum v	Maximum water temperature °C						85				
	Heating	ating Ambient Min.~Max.			-25~25							
		Water side	Min.~Max.	°C	18~65							
	Cooling	Ambient	Min.~Max.	°CDB			10	~43				
		Water side	Min.~Max.	°C			5	~22				
	Domestic	Ambient	Min.~Max.	°CDB			-25	5~35				
	hot water V	Water side	Min.~Max.	°C			25	~55				
Sound power level	Nom.			dBA	39							

Sound power level	Nom.		dBA		39				
Outdoor Unit			ERGA	04EV	06EVH	08EVH7			
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388				
Weight	Unit		kg		58.5				
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	Cooling	Min.~Max.	°CDB		10.0~43.0				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
	Type				R-32				
	GWP			675.0					
	Charge		kg		1.50				
	Charge		TCO <sub>2</sub> Eq		1.01				
	Control				Expansion valve				
Sound power level	Heating	Nom.	dBA	58	60	62			
	Cooling	Nom.	dBA	61		52			
Sound pressure level	Heating	Nom.	dBA	44	47	49			
	Cooling	Nom.	dBA	48	49	50			
Power supply	Name/Phase/Frequenc	y/Voltage	Hz/V		V3/1N~/50/230				
Current	Recommended fuses	Recommended fuses A 25							

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C); cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.









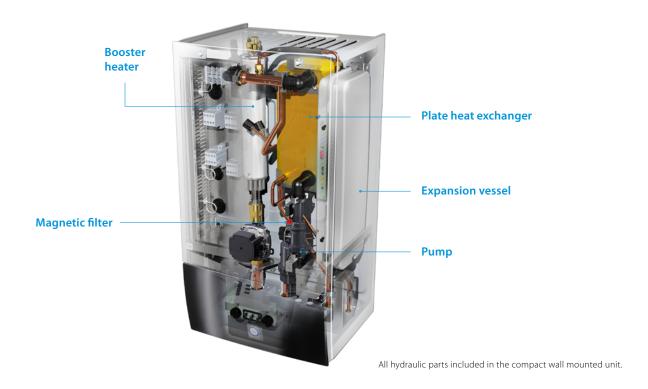


## Why choose Daikin wall mounted unit?

The Daikin Altherma 3 R W wall mounted unit offers **heating and cooling** with high flexibility for a quick and easy installation, **with an optional connection to deliver domestic hot water.** 

#### High flexibility for installation and domestic hot water connection

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel or ECH<sub>2</sub>O thermal store



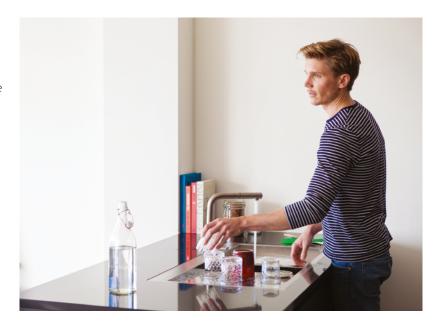
#### Flexibility in providing domestic hot water

If the end user only requires hot water and installation height is limited, a separate tank can provide the required installation flexibility. At the side of our standard stainless steel tanks, we propose the  $ECH_2O$  thermal stores.

#### ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- › Optimal domestic hot water performance: with high tapping performance
- > Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options





Example of installation with a stainless steel domestic hot water tank (EKHWS(P)-D).





Wall mounted **heating only** air-to-water heat pump ideal for low energy houses

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- $\rightarrow$  Outdoor unit extracts heat from the outdoor air, even at -25  $^{\circ}\text{C}$
- > Compatible with the Onecta app
- > Voice control available













More details and final information can be found by scanning or clicking the QR codes.



EHBH-E6V



EHBH-E9W

**ERGA-EV** 

ERGA-EVH

ERGA-EVH7

Efficiency data			EHBH + E	RGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7	
Heating capacity	Nom.			kW	W 4.30 (1)/4.60 (2) 6.00 (1)/5.90 (2)		/5.90 (2)	7.50 (1)/7.80 (2)		
Power input	Heating	Nom.		kW	0.85 (1)/1.26 (2) 1.24 (1)/1.69 (2)			1.63 (1)	1.63 (1)/2.23 (2)	
COP					5.10 (1)/3.65 (2)	4.85 (1)	/3.50 (2)	4.60 (1)	/3.50 (2)	
c 1	Average	General	SCOP		3.26			3.32		
Space heating	climate water		ns (Seasonal space heating efficiency)	%	127			1.	30	
	outlet 55 ℃		Seasonal space heating eff. class							
	Average	General	SCOP		4.48	4.	47	4.	56	
	climate water		ns (Seasonal space % heating efficiency)			176		11	79	
outle	outlet 35 °C		Seasonal space heating eff. class		A+++					

Indoor Unit				EHBH	04E6V	08E6V	08E9W	08E6V	08E9W		
Casing	Colour				White + Black						
	Material				Resin, sheet metal						
Dimensions	Unit	HeightxWid	lthxDepth	mm			840x440x390				
Weight	Unit			kg	42	2.0	42.4	42.0	42.4		
-	Heating	Water side	Min.~Max.	°C	15 ~65						
	Domestic hot water	Water side	Min.~Max.	°C			25~75				
Sound power level	Nom.			dBA	42						
Sound pressure level	Nom.			dBA			28				

Sound pressure level	Nom.		dBA		28							
Outdoor Unit			ERGA	04EV	06EVH	08EVH7						
Dimensions	Unit	HeightxWidthxDepth	mm		740x884x388							
Weight	Unit		kg		58.5							
Compressor	Quantity			1								
	Туре				Hermetically sealed swing compressor							
Operation range	Cooling	Min.~Max.	°CDB		10~43							
	Domestic hot water	Min.~Max.	°CDB	-25~35								
Refrigerant	Type				R-32							
-	GWP			675.0								
	Charge		kg	1.50								
	Charge		TCO₂Eq		1.01							
	Control				Expansion valve							
Sound power level	Heating	Nom.	dBA	58	60	62						
	Cooling	Nom.	dBA	61		52						
Sound pressure level	Heating	Nom.	dBA	44	47	49						
	Cooling	Nom.	dBA	48	49	50						
Power supply	Name/Phase/Frequence	y/Voltage	Hz/V	V3/1N~/50/230								
Current	Recommended fuses		Α		25							

(I) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C); cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.





Wall mounted **reversible** air-to-water heat pump ideal for low energy houses

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- $\rightarrow$  Outdoor unit extracts heat from the outdoor air, even at -25  $^{\circ}\text{C}$
- > Compatible with the Onecta app
- > Voice control available















More details and final information can be found by scanning or clicking the QR codes.



FHBX-F6V



FHBX-F9W

FRGA-FV

FRGA-FVH

FRGA-FVH7

Efficiency data			EHBX + E	RGA	04E6V + 04EV	08E6V + 06EVH	08E9W + 06EVH	08E6V + 08EVH7	08E9W + 08EVH7
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	6.00 (1)/	<sup>7</sup> 5.90 (2)	7.50 (1)/7.80 (2)	
Power input	Heating	Nom.		kW	0.850 (1)/1.26 (2)	1.24 (1)/	1.69 (2)	1.63 (1)	/2.23 (2)
Cooling capacity	Nom.			kW	4.86 (1)/4.52 (2)	5.96 (1)/	75.09 (2)	6.25 (1)	/5.44 (2)
Power input	Cooling	Nom.		kW	0.810 (1)/1.36 (2)	1.06 (1)	/1.55 (2)	1.16 (1)	/1.73 (2)
COP					5.10 (1)/3.65 (2)	4.85 (1)/	<sup>7</sup> 3.50 (2)	4.60 (1)	/3.50 (2)
EER					5.98 (1)/3.32 (2)	5.61 (1)/	3.28 (2)	5.40 (1)	)/3.14 (2)
0_	climate water	General	SCOP		3.29	3.2	28	3	.35
Space heating			ns (Seasonal space heating efficiency)		129	12	28	1	31
	outlet 55 °C		Seasonal space heating eff. class				A++		
	Average	General	SCOP		4.54	4.	52	4	.61
	climate water		heating efficiency)		179 178		78	1	81
outlet 35 °C			Seasonal space heating eff. class		A+++				

Indoor Unit				EHBX	04E6V	08E6V	08E9W	08E6V	08E9W			
Casing	Colour				White + Black							
	Material				Resin, sheet metal							
Dimensions	Unit	HeightxWid	lthxDepth	mm	840x440x390							
Weight	Unit			kg	42	2.0	42.4	42.0	42.4			
Operation range	Heating	Water side	Min.~Max.	°C	15 ~65							
	Domestic hot water	Water side	Min.~Max.	°C	25~75							
Sound power level	Nom.			dBA	42							
Sound pressure level	Nom.			dBA			28					

NOITI.		UDA 72							
Nom.		dBA		28					
		ERGA	04EV	06EVH	08EVH7				
Unit	HeightxWidthxDepth	mm		740x884x388					
Unit		kg	58.5						
Quantity				1					
Туре				Hermetically sealed swing comp	oressor				
Cooling	Min.~Max.	°CDB	10~43						
Domestic hot water	Min.~Max.	°CDB		-25~35					
Type				R-32					
GWP				675.0					
Charge		kg		1.50					
Charge		TCO₂Eq		1.01					
Control				Expansion valve					
Heating	Nom.	dBA	58	60	62				
Cooling	Nom.	dBA	61	6	2				
Heating	Nom.	dBA	44	47	49				
Cooling	Nom.	dBA	48	49	50				
Name/Phase/Frequency	//Voltage	Hz/V	z/V V3/1N~/50/230						
Recommended fuses		Α		25					
	Nom.  Unit Unit Quantity Type Cooling Domestic hot water Type GWP Charge Charge Control Heating Cooling Cooling Name/Phase/Frequency	Nom.  Unit HeightxWidthxDepth Unit  Quantity Type Cooling Min.~Max. Domestic hot water Min.~Max. Type GWP Charge Charge Charge Control Heating Nom. Cooling Nom. Cooling Nom. Cooling Nom. Name/Phase/Frequency/Voltage	Nom.         dBA           Unit         HeightxWidthxDepth         mm           Unit         kg           Quantity         Face of the part of the p	Mom.         dBA           ERGA         04EV           Unit         HeightxWidthxDepth         mm           Unit         kg         Image: Registration of the part of the par	Mom.         dBA         28           ERGA         04EV         06EVH           Unit         HeightxWidthxDepth         mm         740x884x388           Unit         kg         58.5           Quantity         1         1           Type         Hermetically sealed swing complex co				

(1) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases

					Floor sta	anding	
			Heatir	ng only	Reve	ersible	Bi
<b>~</b>	• • • • • • •		EHVH04S18E6V	EHVH08S18E6V	EHVX04S18E3V	EHVX08S18E6V	EHVZ04S18E6V
Comb	ination tabl	e	EHVH04S23E6V	EHVH08S23E6V	EHVX04S23E3V	EHVX08S23E6V	
and op	otions			EHVH08S18E9W	EHVX04S18E6V	EHVX08S18E9W	
and of	Otions			EHVH08S23E9W	EHVX04S23E6V	EHVX08S23E9W	
Туре	Description	Material name					
	4kW	ERGA04EAV3	•		•		•
Outdoor unit	6kW	ERGA06EAV3H		•		•	
	8kW	ERGA08EAV3H7		•		•	
	Madoka wired room thermostat	BRC1HHDK/S/W	•	•	•	•	•
	Wireless room thermostat	EKRTRB	•	•	•	•	•
	Wired digital thermostat	EKRTWA	•	•	•	•	•
	Wireless room by room control	Daikin Home Controls (pages 272-275)	•	•	•	•	•
Controls	LAN adapter	BRP069A62 (with MMI from v6.8.0)	•	•	•	•	•
	WLAN module	BRP069A71	• (1)	• (1)	• (1)	• (1)	• (1)
	WLAN cartridge	BRP069A78	• (1)	• (1)	• (1)	• (1)	• (1)
	Universal centralised controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	•	•	•	•	•
	Remote indoor sensor	KRCS01-1	• (2)	• (2)	• (2)	• (2)	• (2)
Sensors	Remote outdoor sensor	EKRSCA1	• (2)	• (2)	• (2)	• (2)	• (2)
26112012	External sensor for EKRTRB	EKRTETS					
	room thermostat	LIMILIS	• (3)	• (3)	• (3)	• (3)	• (3)
	Watts kit	BZKA7V3	•	•	•	•	
Bizone kits	Generic bizone kit	EKMIKPOAF					
	Generic bizone kit	EKMIKPHAF					
	DHW tank	EKHWS(P)(U)-D(3)V3					
Domestic	Thermal stores	EKHWP-(P)B					
hot water	Third party tank kit	EKHY3PART					
	Third party tank kit	EKHY3PART2					
	Floor standing	FWXV15/20/25*	• (5)	• (5)	• (5)	• (5)	• (5)
Heat pump convector	Wall mounted	FWXT15/20/25*	• (5)	• (5)	• (5)	• (5)	• (5)
	Concealed	FWXM15/20/25*	• (5)	• (5)	• (5)	• (5)	• (5)
	Digital I/O PCB	EKRP1HBAA	• (6)	• (6)	• (6)	• (6)	• (6)
	Demand PCB	EKRP1AHTA	•	•	•	•	• (0)
Other options	PC USB cable	EKPCCAB4	•	•	•	•	•
•	Relay smart grid	EKRESLG	•	•	•	•	•
	Corner pipe bend kit	EKHVTC	•	•	•	•	
	Inline back-up heater	ENECOLIVESA					
	(3kW, for *3V (1N ~, 230 V, 3 kW) Inline back-up heater	EKECBUAF3V					
	(6kW, for *6V (1N ~, 230 V, 6 kW)	EKECBUAF6V					
	Inline back-up heater (9kW, for *9WN (3N ~, 400 V, 9 kW)	EKECBUAF9W					
- 0 . 1	Inline back-up heater connection kit	EKECBUCO3AF					
Dedicated ECH₂O options	Dirt separator	156021					
	Bivalent connector kit	EKECBIVCO2AF					
	Drain-back connector kit	EKECDBCO2AF					

165070

165215

Circulation stop valves (2 pcs)

Fill and drain connection KFE BA

W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2 (in case of bad reception of signal, the WLAN cartridge can be removed and replaced by the WLAN or LAN module). Only 1 sensor can be connected: indoor OR outdoor sensor.

Can only be used in combination with the wireless room thermostat EKRTRB(1).

EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

<sup>(2)</sup> (3) (4)

		ECI			Wall mounted					
ne	Stan	dard	Biva	alent	Heatir	ng only	Reversible			
EHVZ08S18E6V	EHSH04P30E	EHSH08P30E	EHSHB04P30E	EHSHB08P30E	EHBH04E6V	EHBH08E6V	EHBX04E6V	EHBX08E6V		
EHVZ08S23E6V		EHSH08P50E		EHSHB08P50E		EHBH08E9W		EHBX08E9W		
EHVZ08S18E9W		EHSX04P30E		EHSXB04P30E						
EHVZ08S23E9W		EHSX04P50E		EHSXB04P50E						
		EHSX08P30E		EHSXB08P30E						
		EHSX08P50E		EHSXB08P50E						
	•		•		•		•			
•		•		•		•		•		
•		•		•		•		•		
•	•	•	•	•	•	•	•	•		
•	•	•	•	•	•	•	•	•		
•	•	•	•	•	•	•	•	•		
•	•	•	•	•	•	•	•	•		
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)		
• (1) • (1)	• (1) • (1)	• (1) • (1)	• (1) • (1)	• (1)	• (1)	• (1)	• (1)	• (1)		
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	• (1)		
• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)		
• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)	• (2)		
• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)		
					•	•	•	•		
	•	•	•	•						
	•	•	•	•						
					•	•	•	•		
					•	•	•	•		
					•	•	•	•		
					• (4)	• (4)	• (4)	• (4)		
• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)		
• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)		
• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)		
• (6)					• (6)	• (6)	• (6)	• (6)		
•	•	•	•	•	•	•	•	•		
•	•	•	•	•	•	•	•	•		
•	•	•	•	•	•	•	•	•		
	6 (7)	(7)	- (7)	_ (7)				<u> </u>		
	• (7)	• (7)	• (7)	• (7)						
	• (7)	• (7)	• (7)	• (7)						
	• (7)	• (7)	• (7)	• (7)						
	• (7)	• (7)	• (7)	• (7)						
	•	•	•	•						
			•	•						
	•	•	•	•						
	•	•	•	•						

<sup>(5)</sup> (6) (7)

Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT- H/O).

Additional relays to allow bivalent control in combination with external room thermostat are field supply.

Only 1 Backup heater can be connected on one unit: 3 or 6\* or 9 kW (\*No 6TI-model applicable). EKECBUCO\*AF is needed to connect the backup heater to the main unit.



The Daikin Altherma 3 R is the world's first high capacity R-32 refrigerant split unit, providing cooling next to heating and domestic hot water.

#### Improved compactness

#### A redesigned casing

A black horizontal front grille hides the single fan, reducing the perception of sound produced by the unit.

The light grey casing reflects the installation space to help the unit blend into any environment.

# A single fan for high-capacity units

Daikin engineers replaced the double fan with one larger fan and optimised its shape to lower the operational sound and improve air circulation.



1,100 mm

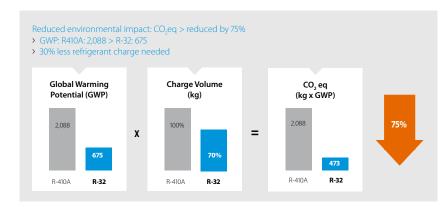




Check out the improved comptactness!

#### Running on refrigerant R-32

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower  $\mathrm{CO}_2$  emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European  $\mathrm{CO}_2$  emission targets.



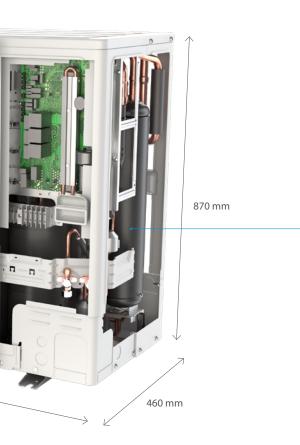


#### **BLUEVOLUTION**

# Ideal for small spaces

Thanks to its single fan, the height is reduced, and its black grille makes it fit discretely in all kind of exteriors.







# Improved design

#### Meeting modern society expectations

Outside, the outdoor unit blends in thanks to its black front grille. The horizontal lines of the grille hides the fan from view, making it more discreet.

In Europe, design has a huge importance. That's why, at Daikin, we have developed a new design line for outdoor units.

Customers invest in their property to make it look better and more sustainable, heat pumps must thick all boxes.



Check out the improved design!







#### Discretion and peace of mind

As a third generation Daikin Altherma heat pump, indoor units gather all the installation and design improvements, rewarded in 2018 by RedDot, iF and Plus X awards.

Daikin indoor units can be installed in different places, garage, basement, utility room or even a kitchen while still blending in with the indoor design.

The units have also been designed to ease the work of the installer and therefore contribute to your peace of mind!

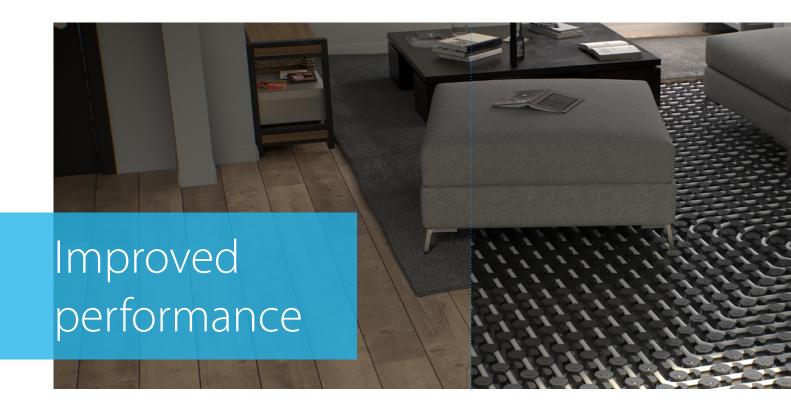
reddot award 2018 winner











#### All year round comfort

Daikin Altherma 3 R provides heating efficiently, both for space or domestic water.

With a leaving water temperature of up to  $60^{\circ}$ C at -7°C outside, the unit is intended for new buildings. The unit operations are ensured down to -25°C outside temperature.

As a low temperature heat pump, it is particularly efficient with low temperature emitters, such as underfloor heating and heat pump convectors, both available in the total Daikin solution.

#### World first in its category

Indeed, Daikin Altherma 3 R is the world first high capacity R-32 refrigerant split heat pump to provide cooling, next to heating!

A patent is also pending for the plate hate exchanger, positioning once more Daikin as the heat pump leader (patent application n°EP3839360).



Check out the improved performance!







Underfloor heating Heat pump convector



#### Daikin Altherma 3 R, a complete offer

- ✓ Space Heating
- **☑** Space Cooling
- **☑** Domestic hot water
- ✓ App and voice control
- ✓ Flexible emitter choice
- ✓ All year round peace of mind









# Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system to deliver heating, domestic hot water and cooling for renovation or large new built.

#### All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- > Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 634 mm
- Integrated back-up heater choice of 6, 9 kW models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones.



# All-in one design

# Reduces the installation footprint and height

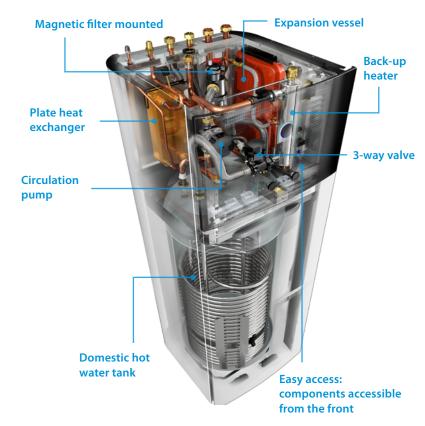
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 634 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1.65 m for an 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



#### Advanced user interface

# H(A) I:

#### The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

#### Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### Integrated indoor unit







#### Floor standing air to water heat pump for **heating and hot water**

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 634 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -25°C



More details and final information can be found by scanning or clicking the QR codes.















ER	LA11-14DV	3		ERLA11-14	1DW1	Е	RLA-DV37	ERLA-DW17			
Efficiency data				EBVH + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7	
Space heating	Average	General	SCOP		3.	23	3	.22	3.	.32	
•	climate water outlet 55°C		ns (Seasonal space heating efficiency)			1	26		1:	30	
			Seasonal space hea	ating eff. class			A	++			
	Average	General	SCOP		4.	63	53 4.60		4.	.61	
	climate water outlet 35°C		ns (Seasonal space heating efficiency)		18	32		1	81		
			Seasonal space hea	iting eff. class			A-	+++			
Domestic hot	General	Declared I	oad profile		L	XL	L	XL	L	XL	
water heating	Average	COPdhw			2.73	2.63	2.73	2.63	2.73	2.63	
	climate	ŋwh (water	heating efficiency)	%	116	109	116	109	116	109	
		Water hear	ting energy efficie	ncy class	A+	Α	A+	Α	A+	Α	
Indoor Unit				EBVH	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	
Casing	Colour						White	+ Black	,		
•	Material						Precoated	sheet metal			
Dimensions	Unit		HeightxWidthxDep	th mm	1,655x595x634	1,855x595x634	1,655x595x634	1,655x595x634	1,655x595x634	1,855x595x634	
Weight	Unit		,	kg	124	133	124	133	124	133	
Tank	Water volum	ne		j	180	230	180	230	180	230	
		vater tempe	rature	°C	70						
		vater pressu		bar				10			
	Corrosion p	•	-					kling			
Operation range	Heating	Ambient	Min. ~ Max.	°C				~ 35			
		Water side		°C	18 ~ 60						
	Domestic	Ambient	Min. ~ Max.	°C	-25 ~ 35						
	hot water	Water side		°C				~ 60			
Sound power level	Nom.			dBA			4	14			
Sound pressure level	Nom.			dBA			:	30			
Outdoor Unit				ERLA	11DV	/3/W1	14D\	/3/W1	16DV:	37/W17	
Dimensions	Unit		HeightxWidthxDep	th mm			870x1,	100x460			
Weight	Unit			kg			1	01			
Compressor	Quantity							1			
	Type					He	rmetically sealed sw	ing inverter compre	ssor		
Operation range	Heating		Min. ~ Max.	°CDB			-25	~ 35			
	Cooling		Min. ~ Max.	°CDB			10	~ 43			
	Domestic h	ot water	Min. ~ Max.	°CDB			-25	~ 35			
Refrigerant	Type						R	-32			
	GWP						6	75			
	Charge			kg			3	.80			
	Charge			TCO₂Eq			2	.57			
	Control						Expans	ion valve			
LW(A) Sound power level (according to EN14825)					62						
Sound pressure level (at 1 meter)	Nom.							18			
Power supply	Name/Phas	e/Frequenc	y/Voltage	Hz/V	Hz/V V3/1 ~ /50/230 / W1/3 ~ /50/400						
Current	Recommen	ded fuses		Α			32	2/16			





#### Floor standing air to water heat pump for heating, cooling and hot water

- > A combined stainless steel domestic hot water tank of 180 or 230L
- and heat pump for easy installationInclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 634 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -25°C



More details and final information can be found by scanning or clicking the QR codes.

ERLA11-14DV3









ERLA-DW17





ERLA-DV37



ENEATI-14DV3			LILATI-14DWI			LINEA-DV3/				LINEA-DVVII	
Efficiency data			EBV	X + ERLA	11S18D6V/9W + 11DV/W	11S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W + 16DV7/W7	
Space heating	Average	General	SCOP		3.			.26		35	
•	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%		1:	28		1:	31	
•	outlet 33 C		Seasonal space heating e	ff class	A++						
	Average	General	SCOP	III. CI033	4.72 4.68						
	climate water	Gerreran	ns (Seasonal space	%		36			34		
	outlet 35°C		heating efficiency) Seasonal space heating e	ef class		A+++					
Domestic hot	General	Declared lo		II. Class	L	XL	L	XL	L	XL	
water heating	Average	COPdhw	au prome		2.73	2.63	2.73	2.63	2.73	2.63	
water ricuting	climate		neating efficiency)	%	116	109	116	109	116	109	
~	Cilillate		ing energy efficiency o		A+	A	A+	A	A+	A	
Indoor Unit				EBVX	11S18D6V/9W	11S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	
Casing	Colour						White	+ Black			
	Material						Precoated	sheet metal			
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	
Weight	Unit			kg	124	133	124	133	124	133	
Tank	Water volur				180	230	180	230	180	230	
		vater tempei		°C				70			
		vater pressui	e	bar				10			
	Corrosion p							kling			
	Heating	Ambient	Min. ~ Max.	°C				~ 35			
		Water side		°C				~ 60			
	Cooling	Ambient	Min. ~ Max.	°C							
		Water side	Min. ~ Max.	°C							
	Domestic	Ambient	Min. ~ Max.	°C							
	hot water	Water side	Min. ~ Max.	°C				~ 60			
Sound power level	Nom.			dBA				14			
Sound pressure level	Nom.			dBA				30			
Outdoor Unit				ERLA	11DV	3/W1		/3/W1	16DV3	37/W17	
Dimensions	Unit		HeightxWidthxDepth	mm				00x460			
Weight	Unit			kg				01			
Compressor	Quantity							1			
O 11	Type			0600		He	rmetically sealed sw		ssor		
Operation range	Heating		Min. ~ Max.	°CDB				~ 35			
	Cooling		Min. ~ Max. Min. ~ Max.	°CDB				~ 43 ~ 35			
D-f-:	Domestic h	ot water	Min. ~ Max.	CDB				~ 35 -32			
Refrigerant	Type GWP							-52 75			
	Charge			kg				.80			
	Charge			TCO₂Eq				.57			
	Control			1CO2Eq				ion valve			
LW(A) Sound power leve								52			
(according to EN14825)											
Sound pressure level (at 1 meter)	Nom.							18			
Power supply	Name/Phas	e/Frequency	/Voltage	Hz/V			V3/1 ~ /50/230	/ W1/3 ~ /50/400			
Current	Recommen	ded fuses		Α							

ERLA11-14DW1





#### Floor standing integrated with **two different** temperature zones monitoring

- > A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 634 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -25°C



More details and final information can be found by scanning or clicking the QR codes.

ERLA11-14DV3









ERLA-DW17





ERLA-DV37



Efficiency data			EBVZ + ERLA	16S18D6V/9W + 11DV/W	16S23D6V/9W + 11DV/W	16S18D6V/9W + 14DV/W	16S23D6V/9W + 14DV/W	16S18D6V/9W + 16DV7/W7	16S23D6V/9W 16DV7/W7
Space heating	Average	General	SCOP	3	.23	3.	22	3.	32
♣	climate water outlet 55°C		ns (Seasonal space % heating efficiency)	1	131 126		130		
			Seasonal space heating eff. class			Α	++		
	Average	General	SCOP	4	.61	4.	60	4.	61
	climate water outlet 35°C		ns (Seasonal space % heating efficiency)	1	82		1	81	
			Seasonal space heating eff. class			A+	++		

ERLA11-14DW1

	outlet 55°C		heating efficiency)										
			Seasonal space heating eff.	class	A++								
	Average	General	SCOP		4.	61	4.	60	4.	61			
	climate water outlet 35°C		ns (Seasonal space heating efficiency)	%	18	32	181						
			Seasonal space heating eff.	class			A+	++					
Domestic hot	General	Declared I	oad profile		L	XL	L	XL	L	XL			
water heating	Average	COPdhw			2.73	2.63	2.73	2.63	2.73	2.63			
	climate	ŋwh (water	heating efficiency)	%	116	109	116	109	116	109			
-		Water heati	ng energy efficiency class		A+	A	A+	A	A+	A			
Indoor Unit				EBVZ	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S23D6V/9W	16S23D6V/9W			
Casing	Colour						White	+ Black					

Indoor Unit				EBVZ	16S18D6V/9W	16S23D6V/9W	16S18D6V/9W	16S23D6V/9W	16S23D6V/9W	16S23D6V/9W
Casing	Colour				White + Black					
	Material				Precoated sheet metal					
Dimensions	Unit HeightxWidthxDepth		mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	
Weight	Unit			kg	137	145	137	145	137	145
Tank	Water volume			Ī	180	230	180	230	180	230
	Maximum water temperature			°C	70					
	Maximum water pressure			bar	10					
	Corrosion protection				Pickling					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Domestic	Ambient	Min. ~ Max.	°C	-25 ~ 25					
	hot water	Water side	Min. ~ Max.	°C			10 -	~ 60		
Sound power level	Nom. dBA			44						
Sound pressure level	Nom. dBA			30						

Sound pressure level Nom. dBA			30				
Outdoor Unit			ERLA	11DV3/W1	14DV3/W1	16DV37/W17	
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460		
Weight	Unit	kg 101					
Compressor	Quantity			1			
	Type		Hermetically sealed swing inverter compressor				
Operation range	Heating Min. ~ Max. °CDB			-25 ~ 35			
	Cooling Min. ~ Max. °CDB			10 ~ 43			
	Domestic hot water Min. ~ Max.		°CDB	-25 ~ 35			
Refrigerant	Туре				R-32		
	GWP				675		
	Charge		kg		3.80		
	Charge		TCO₂Eq	2.57			
	Control			Expansion valve			
LW(A) Sound power level (according to EN14825)					62		
ound pressure level Nom.			48				
(at 1 meter)							
Power supply	Name/Phase/Frequency/Voltage Hz/V			V3/1 ~ /50/230 / W1/3 ~ /50/400			
Current	Recommended fuses A			32/16			

This product contains fluorinated greenhouse gases.





The Daikin Altherma low temperature split integrated ECH<sub>2</sub>O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

#### Intelligent storage management

- > The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- > Continuous heating during defrost mode and use of stored heat for space heating (500l tank only)
- > Electronic management of both heat pump and ECH<sub>2</sub>O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- > Achieves the highest standards for water sanitation
- > Uses more renewable energy with solar connection

#### Innovative and high-quality tank

- > Lightweight plastic tank
- > No corrosion, anode, scale or lime deposits
- > Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

#### Combinable with other heat sources

> The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption

#### ECH<sub>2</sub>O



#### Advanced user interface

#### The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

#### Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

The user interface works really fast thanks to its iconbased menus.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.

- > Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- > Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- > Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- > Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

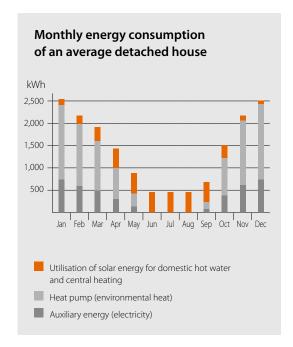
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

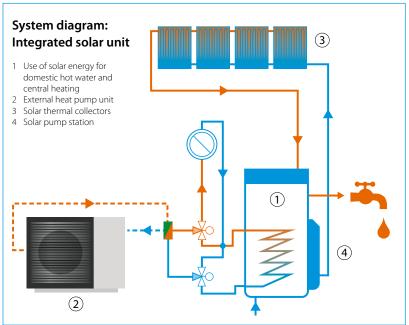
#### Pressureless (drain-back) solar system EBSH-D, EBSX-D

- The solar collectors are only filled with water when sufficient heating is provided by the sun
- The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- After filling, water circulation is maintained by the remaining pump

#### Pressurised solar system EBSHB-D, EBSXB-D

- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- > System is pressurised and sealed









#### Daikin Altherma 3 R ECH₂O

#### Floor standing air-to-water heat pump for **heating** and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Solar support of domestic hot water with pressureless (drain-back) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- > Heat pump operation down to -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump













More details and final information can be found by scanning or clicking the QR codes.



BESH-D ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ERLA-DW17

Efficiency data			EBSH	+ ERLA	11P30D + 11DV/W	11P50D + 11D/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7	
Space heating	Average	General	SCOP		3.	23	3.	22	3.	32	
	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%		1.	26		13	30	
			Seasonal space heating eff	class		A++					
	Average		SCOP		4.	4.63 4.60			4.	4.61	
	climate water		ns (Seasonal space	%	1:	32		1	81		
	outlet 35°C		heating efficiency)								
			Seasonal space heating eff. class				A+++				
Domestic hot	General	Declared l	oad profile		L	XL	L	XL	L	XL	
water heating	Average	COPdhw			2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	
	climate	ŋwh (water	heating efficiency)	%	115/116	126/128	115/116	126/128	115/116	126/128	
		Water heating energy efficiency class			A+						

Indoor Unit	nit EBS					11P50D	16P30D	16P50D	16P30D	16P50D	
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material				Impact resistant polypropylene						
Dimensions	Unit HeightxWidthxDepth m				1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	
Weight	Unit k				93	114	93	114	93	114	
Tank	Water volume				294	477	294	477	294	477	
	Maximum water temperature			°C	85						
Operation range	Heating				-25 ~ 35						
		Water side	Min. ~ Max.	°C			18 -	~ 60			
	Domestic	Ambient	Min. ~ Max.	°C			-25	~ 35			
	hot water	Water side	Min. ~ Max.	°C	°C 10 ~ 60						
Sound power level	Nom.			dBA	8A 44.70						
Sound pressure level	Nom.			dBA	36.80						

Journa power level	I VOIII.		abit	11.70						
Sound pressure level	Nom.		dBA		36.80					
Outdoor Unit			ERLA	11DV3/W1	14DV3/W1	16DV37/W17				
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460					
Weight	Unit		kg		101					
Compressor	Quantity			1						
	Туре			Hermetically sealed swing inverter compressor						
Operation range	Heating	Min. ~ Max.	°CDB	-25 ~ 35						
	Cooling	Min. ~ Max.	°CDB	10 ~ 43						
	Domestic hot water	Min. ~ Max.	°CDB		-25 ~ 35					
Refrigerant	Туре				R-32					
	GWP				675					
	Charge		kg		3.80					
	Charge		TCO₂Eq		2.57					
	Control				Expansion valve					
LW(A) Sound power					62					
level (according to										
EN14825)										
Sound pressure level (at 1 meter)	Nom.				48					
Power supply	Name/Phase/Frequence	cy/Voltage	Hz/V	z/V V3/1 ~ /50/230 / W1/3 ~ /50/400						
Current	Recommended fuses		Α		32/16					





#### Daikin Altherma 3 R ECH₂O

#### Floor standing air-to-water heat pump for **bivalent** heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- > Heat pump operation down to -25°C















More details and final information can be found by scanning or clicking the QR codes.



EBSHB-D ERLA11-14DV3

ERLA11-14DW1

ERLA-DV37

ERLA-DW17

Efficiency data			EBSHB +	ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
Space heating	Average	General	SCOP		3.	23	3.	22	3.	32
·	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%		1.	26		1:	30
			Seasonal space heating eff. cl	ass		A++				
	Average	General	SCOP		4.	63	4.	60	4.	61
	climate water outlet 35°C		ns (Seasonal space % heating efficiency)		18	32		1.	31	
			Seasonal space heating eff. class				A+++			
Domestic hot	General	Declared l	oad profile		L	XL	L	XL	L	XL
water heating	Average	COPdhw			2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10
<b>*</b>	climate	ŋwh (water	heating efficiency)	%	115/116	126/128	115/116	126/128	115/116	126/128
		Water hear	ing energy efficiency clas	s			Α	+		

Indoor Unit				EBSHB	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material					Impact resistant polypropylene						
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit			kg	94	117	94	117	94	117		
Tank	Water volume				294	477	294	477	294	477		
	Maximum water temperature			°C	85							
Operation range	Heating	ating Ambient Min. ~ Max.			-25 ∼ 35							
		Water side	Min. ~ Max.	°C			18 -	- 60				
	Domestic	Ambient	Min. ~ Max.	°C			-25	~ 35				
	hot water	Water side	Min. ~ Max.	°C	°C 10 ~ 60							
Sound power level	Nom.			dBA	3A 44.70							
Sound pressure level	Nom.			dBA	dBA 36.80							

Sound power level	Nom.		aba	44.70							
Sound pressure level	Nom.		dBA		36.80						
Outdoor Unit			ERLA	11DV3/W1	14DV3/W1	16DV37/W17					
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460						
Weight	Unit		kg		101						
Compressor	Quantity				1						
	Туре			Hermetically sealed swing inverter compressor							
Operation range	Heating	Min. ~ Max.	°CDB	-25 ~ 35							
	Cooling	Min. ~ Max.	°CDB		10 ~ 43						
	Domestic hot water	Min. ~ Max.	°CDB	-25 ~ 35							
Refrigerant	Туре				R-32						
	GWP				675						
	Charge		kg		3.80						
	Charge		TCO₂Eq		2.57						
	Control				Expansion valve						
LW(A) Sound power level (according to EN14825)				62							
Sound pressure level (at 1 meter)	Nom.			48							
Power supply	Name/Phase/Frequence	y/Voltage	Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400							
Current	Recommended fuses		Α		32/16						





#### Daikin Altherma 3 R ECH₂O

Floor standing air-to-water heat pump for **heating**, **cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating, hot water and cooling
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drainback) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- > Outdoor unit extracts heat from the outdoor air, even at -25°C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump













More details and final information can be found by scanning or clicking the QR codes.



EBSX-D ERLA11-14DV3

ERLA11-14DW1

ERLA-DV37

ERLA-DW17

Efficiency data		EBSX + ERLA			11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7	
Space heating	Average	General	SCOP		3.	27	3.	26	3.	35	
·	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%		12	28		1.	31	
			Seasonal space heating eff. of	lass		A++					
	Average	•	SCOP		4.	72		4	.68		
	climate water		ns (Seasonal space	%	18	36			184		
	outlet 35°C		heating efficiency)								
			Seasonal space heating eff. of	lass			A	+++			
Domestic hot	General	Declared I	oad profile		L	XL	L	XL	L	XL	
water heating	Average	COPdhw			2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	
<u>.</u>	climate	ŋwh (water	heating efficiency)	%	115/116	126/128	115/116	126/128	115/116	126/128	
		Water heating energy efficiency class					A+				

•		Water heati	ng energy efficiency o	lass	A+							
Indoor Unit				EBSX	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material				Impact resistant polypropylene							
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit			kg	93	114	93	114	93	114		
Tank	Water volui	me		I	294	477	294	477	294	477		
	Maximum water temperature °C				85							
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35							
		Water side	Min. ~ Max.	°C	18 ~ 60							
	Cooling	Ambient	Min. ~ Max.	°C			10	~ 43				
		Water side	Min. ~ Max.	°C			5	~ 22				
	Domestic	Ambient	Min. ~ Max.	°C			-25	~ 35				
	hot water	Water side	Min. ~ Max.	°C	C 10 ~ 60							
Sound power level	Nom.			dBA	dBA 44.70							
Sound pressure level	Nom.			dBA 36.80								

Sound power level	Nom.		dBA		44.70						
Sound pressure level	Nom.		dBA		36.80						
Outdoor Unit			ERLA	11DV3/W1	14DV3/W1	16DV37/W17					
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460						
Weight	Unit		kg		101						
Compressor	Quantity				1						
	Туре			Her	metically sealed swing inverter compre	ssor					
Operation range	Heating	Min. ~ Max.	°CDB		-25 ~ 35						
	Cooling	Min. ~ Max.	°CDB		10 ~ 43						
	Domestic hot water	Min. ~ Max.	°CDB		-25 ~ 35						
Refrigerant	Туре				R-32						
	GWP				675						
	Charge		kg		3.80						
	Charge		TCO₂Eq		2.57						
	Control				Expansion valve						
LW(A) Sound power					62						
level (according to											
EN14825)											
Sound pressure level	Nom.				48						
(at 1 meter)											
Power supply	Name/Phase/Frequence	:y/Voltage	Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400							
Current	Recommended fuses		Α	32/16							

This product contains fluorinated greenhouse gases.





#### Daikin Altherma 3 R ECH<sub>2</sub>O

Floor standing air-to-water heat pump for bivalent heating, cooling and hot water with thermal solar support

- > Integrated solar unit, offering top comfort in heating and hot water
- > Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- > App control possible for managing heating and hot water operation
- > Heat pump operation down to -25°C



More details and final information can be found by scanning or clicking the QR codes.















EBSXB-D ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ERLA-DW17

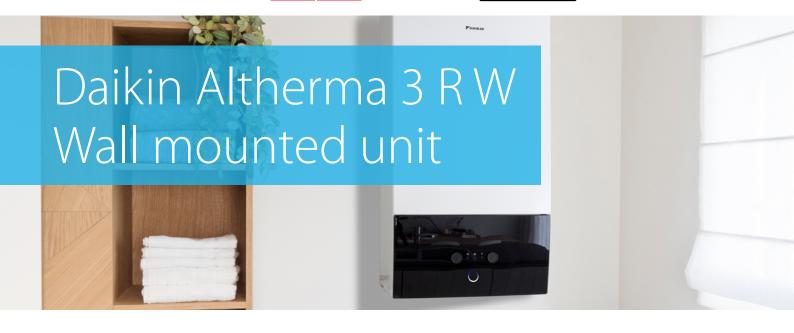
Efficiency data			EBSXB	+ ERLA	11P30D + 11DV/W	11P50D + 11DV/W	16P30D + 14DV/W	16P50D + 14DV/W	16P30D + 16DV7/W7	16P50D + 16DV7/W7
Space heating	Average	General	SCOP		3.	27	3.	26	3.	35
	climate water outlet 55°C		ns (Seasonal space heating efficiency)	%		12	8		131	
			Seasonal space heating eff.	class	A++					
	Average	General	SCOP		4.	72		4	1.68	
	climate water outlet 35°C		ns (Seasonal space % heating efficiency)		18	36			184	
			Seasonal space heating eff.	class			A+++			
Domestic hot	General	Declared lo	oad profile		L	XL	L	XL	L	XL
water heating A	Average	COPdhw			2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10	2.73/2.75	3.05/3.10
	climate	ŋwh (water	heating efficiency)	%	115/116	126/128	115/116	126/128	115/116	126/128
		Water heat	Vater heating energy efficiency class					A+		

		Tracer mean	ing energy emelericy	ciuss	701							
Indoor Unit				EBSXB	11P30D	11P50D	16P30D	16P50D	16P30D	16P50D		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material				Impact resistant polypropylene							
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit			kg	94	117	94	117	94	117		
Tank	Water volume			- 1	294 477 294 477 294					477		
	Maximum water temperature				85							
	Heating	Ambient	Min. ~ Max.	°C			-25	~ 35				
		Water side	Min. ~ Max.	°C	18 ~ 60							
	Cooling	Ambient	Min. ~ Max.	°C			10	~ 43				
		Water side	Min. ~ Max.	°C			5	~ 22				
	Domestic	Ambient	Min. ~ Max.	°C			-25	~ 35				
	hot water	Water side	Min. ~ Max.	°C	°C -25 ~ 35							
Sound power level	Nom.			dBA	IBA 44.70							
Sound pressure level	Nom.			dBA	BA 36.80							

Journa power level	NOIII.		UDA	44.70							
Sound pressure level	Nom.		dBA		36.80						
Outdoor Unit			ERLA	11DV3/W1	14DV3/W1	16DV37/W17					
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460						
Weight	Unit		kg		101						
Compressor	Quantity			1							
	Type			Her	Hermetically sealed swing inverter compressor						
Operation range	Heating	Min. ~ Max.	°CDB	-25 ~ 35							
	Cooling	Min. ~ Max.	°CDB	10 ~ 43							
	Domestic hot water	Min. ~ Max.	°CDB		-25 ~ 35						
Refrigerant	Type				R-32						
	GWP				675						
	Charge		kg		3.80						
	Charge		TCO₂Eq		2.57						
	Control				Expansion valve						
LW(A) Sound power					62						
level (according to											
EN14825)											
Sound pressure level (at 1 meter)	Nom.			48							
Power supply	Name/Phase/Frequenc	cy/Voltage	Hz/V	V3/1 ~ /50/230 / W1/3 ~ /50/400							
Current	Recommended fuses		А		32/16						





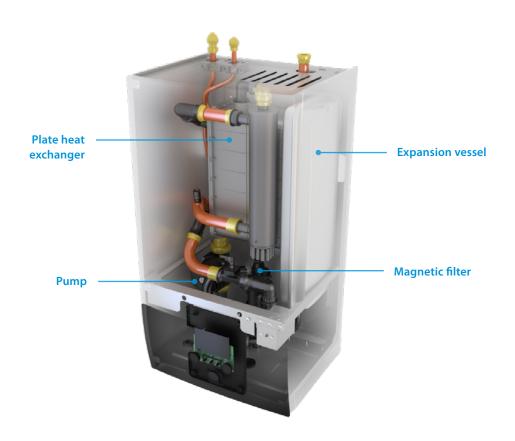


## Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

#### High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel or ECH<sub>2</sub>O thermal store



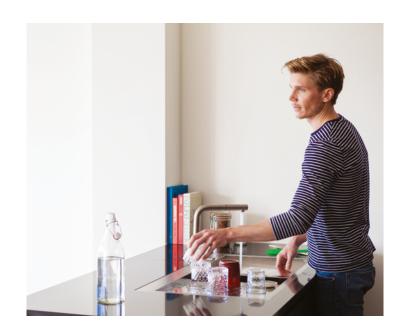
#### Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.

ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- > Optimal domestic hot water performance: with high tapping performance
- > Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options



#### Flexibility in providing space heating

Daikin Altherma 3 R W is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.







#### Daikin Altherma 3 R W

#### Wall mounted **heating only** air-to-water heat pump

Inclusion of all hydraulic components means no third party components are required

- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- > Heat pump operation down to -25°C







32/16





More details and final information can be found by scanning or clicking the QR codes.





ERLA11-14DV3 ERLA11-14DW1 ERLA-DV37 ER	RLA-DW17
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Efficiency data			EBBH + ERLA	11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV7/W7	16D9W + 16DV7/W7	
Space heating	Average	General	SCOP	3.2	3.23 3.22				32	
•	climate water outlet 55°C		ns (Seasonal space % heating efficiency)	126			130			
			Seasonal space heating eff. class	A-			++	+		
	Average	General	SCOP	4.6	i3	4.	60	4.	61	
climate water outlet 35°C			ns (Seasonal space % heating efficiency)	18	182 181			81		
			Seasonal space heating eff. class			A+	++			
			FRRII	440.414	4450111	44044	4400111	440.41	4400111	

			seasonal space neatin	g eii. Ciass	ATTT						
Indoor Unit				EBBH	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W	
Casing	Colour				White + Black						
	Material				Resin, sheet metal						
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390						
Weight	Unit			kg	52.50 54.50						
Operation range	Heating	Heating Ambient Min. ~ Max.			-25 ~ 35						
		Water side	Min. ~ Max.	°C	18 ~ 60						
	Domestic	Ambient	Min. ~ Max.	°C			-25	~ 35			
	hot water	Water side	Min. ~ Max.	°C	10 ~ 60			~ 60			
Sound power level	Nom.			dBA	44						
Sound pressure level	Nom			dBA			:	30			

NOIII.		UDA		30			
		ERLA	11DV3/W1	14DV3/W1	16DV37/W17		
Unit	HeightxWidthxDepth	mm		870x1,100x460			
Unit		kg		101			
Quantity				1			
Туре			Her	metically sealed swing inverter compress	sor		
Heating	Min. ~ Max.	°CDB		-25 ~ 35			
Cooling	Min. ~ Max.	°CDB		10 ~ 43			
Domestic hot water	Min. ~ Max.	°CDB		-25 ~ 35			
Туре				R-32			
GWP				675			
Charge		kg		3.80			
Charge		TCO₂Eq		2.57			
Control				Expansion valve			
				62			
Nom.				48			
Name/Phase/Frequence	y/Voltage	Hz/V		V3/1 ~ /50/230 / W1/3 ~ /50/400			
	Unit Unit Quantity Type Heating Cooling Domestic hot water Type GWP Charge Charge Control	Unit HeightxWidthxDepth Unit Quantity Type Heating Min. ~ Max. Cooling Min. ~ Max. Domestic hot water Min. ~ Max. Type GWP Charge Charge Control	Unit HeightxWidthxDepth mm Unit kg Quantity Type Heating Min. ~ Max. °CDB Cooling Min. ~ Max. °CDB Domestic hot water Min. ~ Max. °CDB Type GWP Charge kg Charge TCO₂Eq Control	ERLA     11DV3/W1       Unit     HeightxWidthxDepth     mm       Unit     kg       Quantity     Free Cooling       Type     Heat Cooling       Cooling     Min. ~ Max.     °CDB       Domestic hot water     Min. ~ Max.     °CDB       Type     GWP       Charge     kg       Charge     TCO₂Eq       Control	ERLA         11DV3/W1         14DV3/W1           Unit         HeightxWidthxDepth         mm         870x1,100x460           Unit         kg         101           Quantity         1         1           Type         Hermetically sealed swing inverter compress           Heating         Min. ~ Max.         °CDB           Cooling         Min. ~ Max.         °CDB           Domestic hot water         Min. ~ Max.         °CDB           Type         R-32           GWP         675           Charge         kg         3.80           Charge         TCO₂Eq         2.57           Control         Expansion valve           62         Nom.		

This product contains fluorinated greenhouse gases.

Recommended fuses

Current





#### Daikin Altherma 3 R W

#### Wall mounted **reversible** air-to-water heat pump

- > Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- > The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- > Heat pump operation down to -25°C











More details and final information can be found by scanning or clicking the QR codes.





ERLA11-14DV3	ERLA11-14DW1	ERLA-DV37	ERLA-DW17
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Efficiency data			EBBX + ERLA	11D6V + 11DV/W	11D9W + 11DV/W	16D6V + 14DV/W	16D9W + 14DV/W	16D6V + 16DV7/W7	16D9W + 16DV7/W7
Space heating Average General climate water outlet 55°C	Average	General	SCOP	3.27 3.26					35
		ns (Seasonal space % heating efficiency)		13	1				
			Seasonal space heating eff. class	A++					
	Average	General	SCOP	4.72 4.68				58	
	climate water outlet 35°C		ns (Seasonal space % heating efficiency)	180	5	184			
			Seasonal space heating eff. class	A+++					

				,						
Indoor Unit				EBBX	11D6V	11D9W	16D6V	16D9W	16D6V	16D9W
Casing	Colour						White-	+ Black		
	Material				Resin, sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm		840x440x390				
Weight	Unit			kg	52.50 54.50					
Operation range	Heating	Ambient	Min. ~ Max.	°C	-25 ~ 35					
		Water side	Min. ~ Max.	°C	18 ~ 60					
	Cooling	Ambient	Min. ~ Max.	°C	10 ~ 43					
		Water side	Min. ~ Max.	°C	5~22					
	Domestic	Ambient	Min. ~ Max.	°C			-25	~ 35		
	hot water	Water side	Min. ~ Max.	°C	°C 10 ~ 60					
Sound power level	Nom.			dBA	44					
Sound pressure level	Nom.			dBA			3	0		

Sound pressure level	Nom.		dBA		30				
Outdoor Unit			ERLA	11DV3/W1	14DV3/W1	16DV37/W17			
Dimensions	Unit	HeightxWidthxDepth	mm		870x1,100x460				
Weight	Unit		kg		101				
Compressor	Quantity				1				
	Туре			Hei	rmetically sealed swing inverter compress	or			
Operation range	Heating	Min. ~ Max.	°CDB		-25 ~ 35				
	Cooling	Min. ~ Max.	°CDB	10 ~ 43					
	Domestic hot water	Min. ~ Max.	°CDB		-25 ~ 35				
Refrigerant	Туре				R-32				
	GWP			675					
	Charge		kg	3.80					
	Charge		TCO₂Eq		2.57				
	Control				Expansion valve				
LW(A) Sound power level (according to EN14825)					62				
Sound pressure level (at 1 meter)	Nom.				48				
Power supply	Name/Phase/Frequenc	cy/Voltage	Hz/V		V3/1 ~ /50/230 / W1/3 ~ /50/400				
Current	Recommended fuses		Α		32/16				

Combination table
and options

	Floor standing integrated stainless steel tank								
Н	rsible								
11 class	16 class	11 class	16 class						
EBVH11S18D6V	EBVH16S18D6V	EBVX11S18D6V	EBVX16S18D6V						
EBVH11S18D9W	EBVH16S18D9W	EBVX11S18D9W	EBVX16S18D9W						
EBVH11S23D6V	EBVH16S23D6V	EBVX11S23D6V	EBVX16S23D6V						
EBVH11S23D9W	EBVH16S23D9W	EBVX11S23D9W	EBVX16S23D9W						

			EBVH11S23D9W	EBVH16S23D9W	EBVX11S23D9W	EBVX16S23D9W
Туре	Description	Material name				
	4kW	ERLA11DV3/W1	•		•	
Outdoor unit	6kW	ERLA14DV3/W1		•		•
	8kW	ERLA16DV37/W17		•		•
	Madoka wired room thermostat	BRC1HHDK/S/W	•	•	•	•
	Wireless room thermostats	EKRTRB	•	•	•	•
	Wired digital thermostat	EKRTWA	•	•	•	•
	Wireless room by room control	Daikin Home Controls (pages 272-275)	•	•	•	•
	LAN adapter	BRP069A62 (with MMI from v6.8.0)	•	•	•	•
Controls	WLAN module	BRP069A71	•	•	•	•
	WLAN cartridge	BRP069A78	•	•	•	•
	Wired digital thermostat	EKWCTRDI1V3	•	•	•	•
	Wired analog thermostat	EKWCTRAN1V3	•	•	•	•
	Valve actuator	EKWCVATR1V3	•	•	•	•
	Wired underfloor heating base station	EKWUFHTA1V3	•	•	•	•
	Universal centralised controller	EKCC8-W, DCOM-LT/IO, LT/MB	•	•	•	•
		EKHWS(P)(U)150D3V3				
		EKHWS(P)(U)180D3V3				
	Stainless steel tank	EKHWS(P)(U)200D3V3				
		EKHWS(P)(U)250D3V3				
		EKHWS(P)(U)300D3V3				
Domestic		EKHWP300B				
hot water		EKHWP500B				
	Polypropylene tank	EKHWP300PB				
		EKHWP500PB				
		EKHY3PART				
	Third party tank kit	EKHY3PART2				
	External sensor for EKRTRB room thermostat	EKRTETS	• (5)	• (5)	• (5)	• (5)
	High voltage smart grid relay kit	EKRELSG	•	•	•	•
Sensors	Remote indoor temperature sensor	KRCS01-1	• (6)	• (6)	• (6)	• (6)
	Remote outdoor temperature sensor	EKRSCA1	• (6)	• (6)	• (6)	• (6)
	Generic Bizone kit (PCB only)	EKMIKPOA	•	•	•	•
Bizone kits	Generic Bizone kit	EKMIKPHA	•			
	Digital I/O DCP	ENDUTIN				
	Digital I/O PCB  Demand PCB	EKRP1HBA	• (7)	• (7)	• (7)	• (7)
Other options	PC USB cable	EKRP1AHT  EKPCCAB4	•	•	•	•
Other options	Balancing valve	KBLNVALVE	•	•	•	•
	-	KDECOUP	•	•	•	•
	Decoupler		•	•	•	•
	Inline BUH - connection kit	EKECBUCO2AF				
	Inline BUH - 3kW, for *3V (1N ~, 230 V, 3 kW)	EKECBUAF3V				
	Inline BUH - 6kW, for *6V (1N ~, 230 V, 6 kW)	EKECBUAF6V				
ECH₂O options	Inline BUH - 9kW, for *9WN (3N ~, 400 V, 9 kW)	EKECBUAF9W				
	Caleffi sludge and magnetite separator SAS1	156021				
	Biv Connector Kit	EKECBIVCO2AF				
	DB connector Kit	EKECDBCO2AF				

<sup>(1)</sup> (2) (3) (4) (5)

Dedicated connection kit: EKEPRHLT3HX.

Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.

EKHY3PART can be used if you have a tank in which you can insert the thermistor.

EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

Can only be used in combination with the wireless room thermostat EKRTRB.

		Floor standing i	ntegrated ECH <sub>2</sub> O	Wall mounted					
Bizone	Drain	n-back	Biva	alent	H/O Reve				
16 class	11 class	16 class	11 class	16 class	11 class	16 class	11 class	16 class	
EBVZ16S18D6V	EBSH11P30D	EBSH16P30D	EBSHB11P30D	EBSHB16P30D					
EBVZ16S18D9W	EBSH11P50D	EBSH11P50D	EBSHB11P50D	EBSHB16P50D					
EBVZ16S23D6V	EBSX11P30D	EBSX11P30D	EBSXB11P30D	EBSXB16P30D	EBBH11D6V	EBBH16D6V	EBBX11D6V	EBBX16D6V	
		EBSX11P50D				EBBH16D9W	EBBX11D0V		
EBVZ16S23D9W	EBSX11P50D	ER2X11b20D	EBSXB11P50D	EBSXB16P50D	EBBH11D9W	ERRH 19DAM	ERRYLIDAM	EBBX16D9W	
•	•		•		•		•		
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					•	•	•	•	
					• (1)	• (1)	• (1)	• (1)	
					• (2)	• (2)	• (2)	• (2)	
					• (1)	• (1)	• (1)	• (1)	
					• (2)	• (2)	• (2)	• (2)	
					• (3)	• (3)	• (3)	• (3)	
					• (4)	• (4)	• (4)	• (4)	
• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	• (5)	
•	•	•	•	•	•	•	•	•	
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	
• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	• (6)	
	•	•	•	•	•	•	•	•	
	•	•	•	•	•	•	•	•	
• (7)					• (7)	• (7)	• (7)	• (7)	
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	•	•	•	•				-	
	• (8)	• (8)	• (8)	• (8)					
	• (8)	• (8)	• (8)	• (8)					
	• (8)	• (8)	• (8)	• (8)					
	•	•	•	•					
			•	•					
		•							

<sup>(6)</sup> (7) (8)

Only one sensor can be connected: indoor or outdoor.

Additional relays to allow bivalent control in combination with external room thermostat are field supply.

Only 1 Backup heater can be connected on one unit: 3 or 6\* or 9 kW (\*No 6T1-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.



### Functional design

Daikin Altherma 3 M is the Daikin's first third generation monobloc, benefiting from a new design and using the R-32 refrigerant, also now available in 4, 6 and 8 kW.

#### A redesigned casing

The white front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey and seamless casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

#### A renewed fan shape

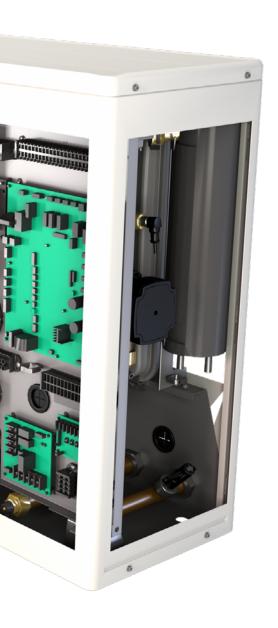
The shape of the fan has been reviewed to reduce the contact surface with air and improve the air circulation.

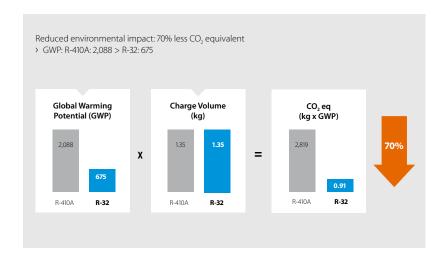
## Help installers and commissioning

- > The rotary switchbox is a brand-new feature in this monobloc heat pump.
- It helps installers accessing the hydraulic and refrigerant components of the unit in an easy way.
- > The service and commissioning can be then performed with ease.









#### R-32 monobloc **R-32**

R-32 BLUEVOLUTION

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower  $CO_2$  emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European  $CO_2$  emission targets.

#### A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window!

The monobloc also gets its power from inside: all hydraulic components are integrated in one unit, including the sealed refrigerant circuit: no need for refrigerant handling or F-gas qualifications

## Fully connected control

The Daikin Altherma 3 M is equipped with the most intuitive control solutions.



#### Heating and cooling emitters

Daikin Altherma 3 M works perfectly with various emitters, including fan coils, underfloor heating and heat pump convectors.









## Onecta app, with voice control

- Control the heating system from home or remote via smartphone
- > Control the heating system with the voice
- Include integrations with Google Assistant and Amazon Alexa
- > Featuring other functions: scheduling and holiday mode, control multiple units and boosting mode, monitoring energy consumption...





## Madoka: a user-friendly wired room thermostat

- > Sleek and elegant design
- > Intuitive touch button control
- Three colours to match any interior (white, black and silver-grey)
- > Compact unit measuring only 85 x 85 mm

#### Domestic hot water production

The monobloc combines with stainless steel tanks (EKHWS(P)-D), thermal stores and panels (EKHWP) to provide domestic hot water quickly.







Inspired by the award-winning design of the Daikin Altherma 3 indoor units, Daikin also upgraded this controller to deliver an even more user-friendly interface.

#### **Quick configuration**

After logging in, you'll be able to configure the unit with the new controller in less than 10 steps. You can even check if the unit is ready to use by running test cycles.

#### **Easy operation**

The new interface features a few buttons and 2 navigational knobs to help you quickly set the room temperature and control units.

#### **User-friendly design**

The interface features an intuitive design. The high contrasted colour screen delivers stunning and practical visuals for both installers and service engineers.

#### **WLAN cartridge connection**

#### Small dimensions for a discreet unit:

136 x 160 x 37 mm (HxWxD)

#### Consistent compactness

Daikin Altherma 3 M is the most compact heat pump solution, as it only consists of one outdoor unit only. This is therefore ideal for limited space.

#### **✓** Strengthened performances

The Daikin Altherma 3 M shows improved performances as well as a wide product range

- > Space heating up to A\*\*\*
- > Domestic hot water up to A
- > Operating down to -25°C
- > Delivers LWT 55°C at -15°C without back-up heater
- Suitable for small new buildings, or system replacement

#### Flexibility in domestic hot water production

- Combination with stainless steel domestic hot water tank (EKHWS(P)(U)-D)
- Combination with ECH<sub>2</sub>O thermal store EKHWP-(P)B to provide domestic hot water with support from the sun

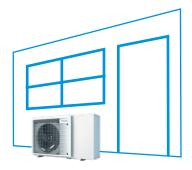
#### **E**xtended product range

- > Heating only models (EDLA\*)
- > Reversible models providing cooling (EBLA\*)
- > One-phase models only
- > Back-up heater less models (EB/DLA-EV3)
- > Plug & play integrated back-up heater models (EB/DLA-E3V3)
- > Available in 4, 6 and 8 kW
- > Completing the existing range of 9, 11, 14 and 16 kW

#### Perfect match with any heat emitters

- > Combination with underfloor heating applications
- > Combination with heat pump convectors Daikin Altherma HPC

#### Fits under a window









#### Daikin Altherma 3 M

Air-to-water monobloc system that provides **heating**, **domestic hot water** and **optionally cooling**. Ideal for limited installation space.

- > WLAN cartridge connection standard included
- > Possible to combine with domestic hot water tanks
- > Heating only or reversible models available
- > Monobloc all-in-one concept including all hydraulic parts
- > Optional plug & play integrated 3 kW electric back-up heater
- > Available in one phase











More details and final information can be found by scanning or clicking the QR codes.

EBLA04-08EV3

EBLA04-08E3V3

EDLA04-08EV3

EDLA04-08E3V3

Single Unit					EDLA04E(3)V3	EBLA04E(3)V3	EDLA06E(3)V3	EBLA06E(3)V3	EDLA08E(3)V3	EBLA08E(3)V3
Heating capacity	Nom.			kW	4.30 (1)/4.60 (2)	4.30 (1)/4.60 (2)	6.00 (1)/5.90 (2)	6.00 (1)/5.90 (2)	7.50 (1)/7.90 (2)	7.50 (1)/7.80 (2)
Power input	Heating	Nom.		kW	0.84 (1)/1.26 (2)	0.84 (1)/1.26 (2)	1.24 (1)/1.69 (2)	1.24 (1)/1.69 (2)	1.63 (1)/2.23 (2)	1.63 (1)/2.23 (2)
СОР					5.10 (1)/3.65 (2)	5.10 (1)/3.65 (2)	4.85 (1)/3.50 (2)	4.85 (1)/3.50 (2)	4.60 (1)/3.50 (2)	4.60 (1)/3.50 (2)
Cooling capacity	Nom.			kW	-	4.86 (1)/4.52 (2)	-	5.83 (1)/5.09 (2)	-	6.18 (1)/5.44 (2)
Power input	Heating	Nom.		kW	-	0.82 (1)/1.36 (2)	-	1.08 (1)/1.55 (2)	-	1.19 (1)/1.73 (2)
EER					-	5.91 (1)/3.32 (2)	-	5.40 (1)/3.28 (2)	-	5.19 (1)/3.14 (2)
Space heating	Average climate	General	ns (Seasonal space heating efficiency)		127	129	127	128	130	131
	water		SCOP		3.26	3.29	3.26	3.28	3.32	3.35
	outlet 55 °C		Seasonal space heating eff. class				A++			
	Average climate	General	ns (Seasonal space heating efficiency)		176	179	176	178	179	181
	water		SCOP		4.48	4.54	4.47	5.52	4.56	4.61
	outlet 35 °C		Seasonal space heating eff. class				A+	++		
Casing	Colour				lvory white					
	Material				Zinc coated low carbon steel					
Dimensions	Unit	HeightxWid	lthxDepth	mm	770x1,250x362					
Weight	Unit			kg	EV3: 88, E3V3: 91					
Compressor	Quantity							1		
	Type						Hermetically sealed	swing compressor		
Operation range	Heating	Ambient	Min.~Max.	CWB	-25 ~ 25	-25 ~ 35	-25 ~ 25	-25 ~ 35	-25 ~ 25	-25 ~ 35
		Water side	Min.~Max.	°C			EV3: 9 ~ 65 /	E3V3: 15 ~ 65		
	Cooling	Ambient	Min.~Max.	°CDB	-	10 ~ 43	-	10 ~ 43	-	10 ~ 43
		Water side	Min.~Max.	°C	-	5 ~ 22	-	5 ~ 22	-	5 ~ 22
	Domestic	Ambient	Min.~Max.	°CDB			-27	~ 35		
	hot water	Water side	Min.~Max.	°C	25 ~ 55					
Refrigerant	Type				R-32					
	GWP				675					
	Charge			kg	1.85					
	Charge	Charge TCO2Eq			0.91					
	Control				Expansion valve					
Sound power level	Heating	Nom.		dBA	A 58 60 62				2	
Power supply	Name/Phase/Frequency/Voltage Hz/V			Hz/V	V3/1~/50/230					
Current	Recommen	ded fuses		Α	20 25				5	

(1) Cooling Ta 35°C - LWE 18°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) (2) Cooling Ta 35°C - LWE 7°C (DT=5°C), Heating Ta DB/WB 7°C/6°C - LWC 55°C (DT=5°C). This product contains fluorinated greenhouse gases.

 $<sup>*</sup>Domestic hot water in combinations with stainless steel tank \verb|EKHWS(P)(U)-D| and \verb|ECH2O| thermal store EKHWP-(P)B|.$ 



The Daikin Altherma 3 M is the Daikin's first third generation monobloc, benefiting from a new design and using the R-32 refrigerant.

#### Compact improved design

#### A redesigned casing

The black front grill made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is slightly reflecting the environment where the unit is installed, helping it to blend in in any decor.

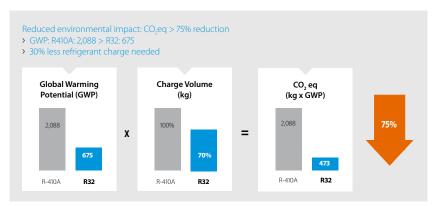
## A single fan for high capacity units

The single fan is slighlty larger, replacing the usual double fan for high capacity units. The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.



#### R-32 monobloc

Daikin is a pioneer in launching heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower  $\mathrm{CO}_2$  emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European  $\mathrm{CO}_2$  emission targets.

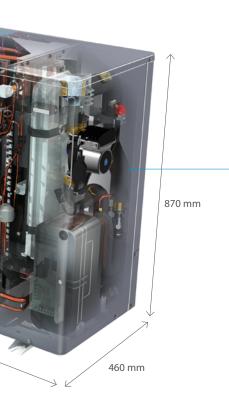


#### R-32 BLUEVOLUTION

## A simple solution to space limitation

Thanks to the monobloc set-up, no indoor unit is required which helps when space is limited inside. The monobloc can even fit under a window!





#### Fully connected

The Daikin Altherma 3 M also finds its power in Daikin Altherma total solution, including controls, heat collectors and heat emitters.



#### Onecta App, with voice control

- > Control the heating system from home or remote via smartphone
- > Control the heating system with the voice
- > Include integrations with Google Assistant and Amazon Alexa
- > Featuring other functions: scheduling and holiday mode, control multiple units and boosting mode, monitoring energy consumption...



Cloud ready with WLAN option





#### Madoka, user-friendly wired room thermostat

- > Sleek and elegant design
- > Intuitive touch-button control
- > Three colours to match any interior (white, black and silve
- > Compact, measures only 85 x 85 mm





#### Heating

As a mid-temperature heat pump, the Daikin Altherma 3 M fits perfectly with any type of emitters such as fan coils, underfloor heating or heat pumps convectors.

#### **NEW**

#### Man-machine interface

Inspired from the design awarded Daikin Altherma third generation interface of indoor units, this new controller gathers all benefits:



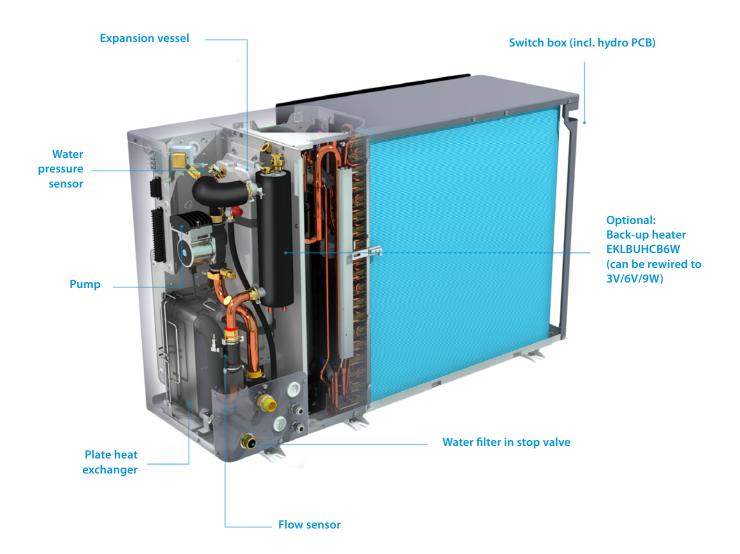


#### Domestic hot water production

The Daikin Altherma 3 M monobloc combines with stainless steel tanks (EKHWS(P)-D) and thermal stores and panels (EKHWP) to provide efficient domestic hot water.

## Straight forward installation & maintenance

The Daikin Altherma 3 M also gets its power from inside by including all hydraulic components into one single unit.



#### Comfort and premium performance

The Daikin Altherma 3 M shows improved performances as well as a wide product range.

#### Extended product range

- > Heating only models (EDLA\*)
- > Reversible models providing cooling (EBLA\*)
- One-phase models (EB/DLA-DV\*)
- Three-phase models (EB/DLA-DW\*)
- > Back-up heater models (EB/DLA-D3V/D3W)
- > Back-up heater less models (EB/DLA-D/DW)
- > All available in 9, 11, 14 and 16 kW

#### Improved performances

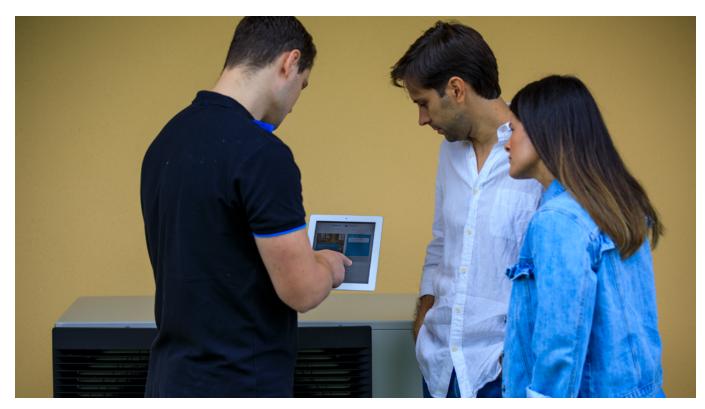
- > Up to A\*\*\*
- > Operation down to -25°C outside temperature
- > Guaranteed heating capacities down to -20°C
- > Delivers LWT 60°C at -7°C
- Suitable for renovations, replacement, and large new buildings

#### Flexibility in domestic hot water production

- Combination with stainless steel domestic hot water tank (EKHWS(P)(U)-D)
- > Combination with ECH<sub>2</sub>O thermal store to provide domestic hot water with support from the sun

#### Perfect match with any heat emitters

- > Combination with underfloor heating applications
- > Combination with heat pump convectors Daikin Altherma HPC







#### Daikin Altherma 3 M

**Heating only** air to water monobloc system, ideal when indoor space is limited

- > W-LAN cartridge connection (optional)
- > Possible to combine with domestic hot water tanks
- > Heating only air-to-water heat pump
- > Monobloc all-in-one concept including all hydraulic parts
- Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- > Available in one phase and three phase











More details and final information can be found by scanning or clicking the QR codes.

EDLA09-14DV3 EDLA09-14D3V3 EDLA09-14DW1 EDLA09-14D3W1

EDLA-DV37 EDLA-DW17 EDLA-D3V37 EDLA-D3W17

Single Unit				EDLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3/D(3)W1	
Heating capacity	Nom.			kW	9.37 (1)/9.00 (2) 10.6 (1)/9.82 (2) 12.0 (1)/12.5 (2) 16.0 (1)/16.0 (3)				
Power input	Heating	Nom.		kW	1.91 (1)/2.43 (2)	2.18 (1)/2.68 (2)	2.46 (1)/3.42 (2)	3.53 (1)/4.56 (2)	
COP					4.91 (1)/3.71 (2)	4.83 (1)/3.66 (2)	4.87 (1)/3.64 (2)	4.53 (1)/3.51 (2)	
Space heating	Average climate	General	ns (Seasonal space heating efficiency)		133	130	132	130	
	water		SCOP		3.39	3.32	3.37	3.33	
	outlet 55 °C		Seasonal space hear eff. class	ting		А	++		
	Average climate	General	ns (Seasonal space heating efficiency)		186 182				
	water		SCOP		4.72	4.64	4.	62	
	outlet 35 °C		Seasonal space hea eff. class	ting		A	-++		
Casing	Colour				Silver				
	Material				Polyester painted galvanised steel plate				
Dimensions	Unit	HeightxWic	dthxDepth	mm	870x1,380x460				
Weight	Unit			kg	DV3/DW1: 147, D3V3/D3W1: 149				
Compressor	Quantity				1				
	Type				Hermetically sealed swing compressor				
Operation range	Heating	Ambient	Min. ~ Max.	°CWB		DV3/DW1: -25 ~ 25,	D3V3/D3W1: -25 ~ 35		
		Water side	Min. ~ Max.	°C		DV3/DW1: 9 ~ 60,	D3V3/D3W1: 15 ~ 60		
	Domestic	Ambient	Min. ~ Max.	°CDB		-25	~ 35		
	hot water	Water side	Min. ~ Max.	°C		25	~ 55		
Refrigerant	Туре					R	-32		
	GWP					6	75		
	Charge			kg		3.	80		
	Charge			TCO₂Eq	2.57				
	Control				Expansion valve				
Sound power level (3)	Heating	Nom.		dBA	62				
Power supply	Name/Phase/Frequency/Voltage Hz/V				V3/1 ~ /50/230 - W1/3 ~ /50/400				
Current	Recommend	ded fuses		A	32/16				





#### Daikin Altherma 3 M

**Reversible** air to water monobloc system, ideal when indoor space is limited

- > W-LAN cartridge connection (optional)
- > Possible to combine with domestic hot water tanks
- > Heating and cooling air-to-water heat pump
- > Monobloc all-in-one concept including all hydraulic parts
- Available with Built-in 3 kW electric back-up heater for additional heating or with a separate back-up heater kit
- > Available in one phase and three phase











More details and final information can be found by scanning or clicking the QR codes.

EBLA-DV37 EBLA-DW17 EBLA-D3V37 EBLA-D3	EBLA-D3V37 EBLA-D3W17
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Single Unit				EBLA	09D(3)V3/D(3)W1	11D(3)V3/D(3)W1	14D(3)V3/D(3)W1	16D(3)V3(7)/D(3)W1(7)	
Heating capacity	Nom.			kW	9.37 (1)/9.00 (2)	10.6 (1)/9.82 (2)	12.0 (1)/12.5 (2)	16.0 (1)/16.0 (2)	
Power input	Heating	Nom.		kW	1.91 (1)/2.43 (2)	2.18 (1)/2.68 (2)	2.46 (1)/3.42 (2)	3.53 (1)/4.56 (2)	
COP					4.91 (1)/3.71 (2)	4.83 (1)/3.66 (2)	4.87 (1)/3.64 (2)	4.53 (1)/3.51 (2)	
Cooling capacity	Nom.			kW	9.35 (3)/9.10 (4)	11.6 (3)/11.5 (4)	12.8 (3)/12.7 (4)	14.0 (3)/15.3 (4)	
Power input	Cooling	Nom.		kW	2.79 (3)/1.71 (4)	3.56 (3)/2.17 (4)	4.06 (3)/2.51 (4)	4.58 (3)/3.24 (4)	
EER					3.35 (3)/5.34 (4)	3.26 (3)/5.31 (4)	3.16 (3)/5.04 (4)	3.06 (3)/4.74 (4)	
SEER					5.62 (5)	5.79 (5)	5.71 (5)	5.59 (5)	
Space heating	Average climate	General	ns (Seasonal space heating efficiency)		135	132	134	132	
	water		SCOP		3.44	3.37	3.42	3.37	
	outlet 55 ℃		Seasonal space heat eff. class	ing		A++			
	Average climate	General	ns (Seasonal space heating efficiency)		190	186		185	
	water		SCOP		4.82	4.73	4.70	4.69	
	outlet 35 °C		Seasonal space heat eff. class	ing	A+++				
Casing	Colour				Silver				
	Material				Polyester painted galvanised steel plate				
Dimensions	Unit	HeightxWic	lthxDepth	mm	870x1,380x460				
Weight	Unit			kg	DV3/DW1: 147, D3V3/D3W1: 149				
Compressor	Quantity						1		
	Туре					Hermetically sealed	d swing compressor		
Operation range	Heating	Ambient	Min. ~ Max.	°CWB		DV3(7)/DW1(7): -25 ~ 25,	D3V3(7)/D3W1(7): -25 ~ 35		
		Water side	Min. ~ Max.	°C		DV3(7)/DW1(7): 9 ~ 60, I	D3V3(7)/D3W1(7): 15 ~ 60		
	Cooling	Ambient	Min. ~ Max.	°CDB		10 -	~ 43		
		Water side	Min. ~ Max.	°C		5 ~	- 22		
	Domestic	Ambient	Min. ~ Max.	°CDB		-25	~ 35		
	hot water	Water side	Min. ~ Max.	°C		25	~ 55		
Refrigerant	Туре				R-32				
	GWP				675				
	Charge			kg	3.80				
	Charge			TCO₂Eq	2.57				
	Control				Expansion valve				
Sound power level (5)		Nom.		dBA	62				
Power supply	Name/Phase	e/Frequency	/Voltage	Hz/V		V3/1 ~ /50/230 ·	- W1/3 ~ /50/400		
Current	Recommend	ded fuses		A	32/16				

<sup>(1)</sup> Ta DB/WB  $7^{\circ}$ C/6°C - LWC 35°C (DT = 5°C) | (2) Ta DB/WB  $7^{\circ}$ C/6°C - LWC 45°C (DT = 5°C) | (3) Cooling: EW 12°C; LW  $7^{\circ}$ C, ambient conditions: 35°CDB | (4) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (5) According to EN14825. This product contains fluorinated greenhouse gases.

			R-32 small monobloc (4-6-8 kW)						
C = :==  =	:		Without ba	ck-up heater	With back	-up heater			
Comb	ination table		Rev	H/O	Rev	H/O			
and op	ntions		EBLA04EV3	EDLA04EV3	EBLA04E3V3	EDLA04E3V3			
and of	JU113		EBLA06EV3	EDLA06EV3	EBLA06E3V3	EDLA06E3V3			
			EBLA08EV3	EDLA08EV3	EBLA08E3V3	EDLA08E3V3			
Туре	Description	Material name							
	Madoka wired room thermostat	BRC1HHDAK/S/W	•	•	•	•			
	Wired digitial thermostat	EKRTWA	•	•	•	•			
Controls	Wireless room by room control	Daikin Home Controls (pages 272-275)	•	•	•	•			
	LAN Adapter	BRP069A62 (with MMI from v6.8.0)	•	•	•	•			
	WLAN cartridge	BRP069A78	•	•	•	•			
	Universal centralised controller for cascade	EKCC8-W DCOM-LT/IO,-LT/MB	•	•	•	•			
	Digital wired room thermostat	EKWCTRDI1V3	•	•	•	•			
Multi-zoning	Analog wired room thermostat	EKWCTRAN1V3	•	•	•	•			
controls	Actuator	EKWCVATR1V3	•	•	•	•			
	Multi-zoning base station (10 channels)	EKWUFHTA1V3	•	•	•	•			
	Remote indoor temperature sensor	KRCS01-1	• (1)	• (1)	• (1)	• (1)			
	Remote outdoor temperature sensor	EKRSCA1	• (1)	• (1)	• (1)	• (1)			
Sensors	Temperature sensor for EKHWS(P)-D	EKTESE1	•	•	•	•			
	Temperature sensor for EKHWP-(P)B	EKTESE2	•	•	•	•			
	DHW tank	EKHWS(P)(U)-D(3)V3	•	•	•	•			
Domestic	Thermal stores	EKHWP500(P)B	•	•	•	•			
hot water	Third party tank kit	EKHY3PART	• (2)	• (2)	• (2)	• (2)			
	Third party tank kit	EKHY3PART2	• (3)	• (3)	• (3)	• (3)			
	Floor standing	FWXV15/20/25*	• (4)	• (4)	• (4)	• (4)			
Heat pump convector	Wall mounted	FWXT15/20/25*	• (4)	• (4)	• (4)	• (4)			
	Concealed	FWXM15/20/25*	• (4)	• (4)	• (4)	• (4)			
	Back-up heater kit	EKLBUHCB6W	• (5)	•					
	By-pass kit	EKMBHBP1	• (5)						
	Generic Bizone kit (PCB only)	EKMIKPOA	•	•	•	•			
	Generic Bizone kit	ЕКМІКРНА	•	•	•	•			
	Digital I/O PCB	EKRP1HBAA	• (6)	• (6)	• (6)	• (6)			
	Demand PCB	EKRP1AHTA	•	•	•	•			
- ·	Anti-freeze valve with diam. 1	AFVALVE1	•	•	•	•			
Other options	Anti-freeze valve with diam. 11/4"	AFVALVE125	•	•	•	•			
	Balancing valve	KBLNVALVE							
	Decoupler	KDECOUP							
	PC USB cable	EKPCCAB4	•	•	•	•			
	Smart grid relay kit (high voltage)	EKRELSG	•	•	•	•			
	Flow switch	EKFLSW1							

<sup>(1)</sup> Only 1 sensor can be connected: indoor OR outdoor sensor.

Flow switch

EKEFLSW2

• (7)

• (7)

• (7)

• (7)

<sup>(2)</sup> EKHY3PART can be used if you have a tank in which you can insert a thermistor.

<sup>(3)</sup> EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

<sup>(4)</sup> Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory on heat pump convector (exception: LT-H/O).

<sup>(5)</sup> Check 'EKMBHBP1 necessity drawing' to decide to install it in combination with reversible models, in order to avoid sweat on the back-up heater.

<sup>(6)</sup> Additional relays to allow bivalent control in combination with external room thermostat are field supply.

<sup>(7)</sup> Mandatory if glycol is used.

R-32 large monobloc (9-11-14-16 kW)						
Without bad	ck-up heater	With back-up heater				
Rev	H/O	Rev	H/O			
EBLA09DV3/W1	EDLA09DV3/W1	EBLA09D3V3/W1	EDLA09D3V3/W1			
EBLA11DV3/W1	EDLA11DV3/W1	EBLA11D3V3/W1	EDLA11D3V3/W1			
EBLA14DV3/W1	EDLA14DV3/W1	EBLA14D3V3/W1	EDLA14D3V3/W1			
EBLA16DV37/W17	EDLA16DV37/W17	EBLA16D3V37/W17	EDLA16D3V37/W17			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
_		_				
•	•	•	•			
•	•	•	•			
•	•	•	•			
• (1)	• (1)	• (1)	• (1)			
• (1)	• (1)	• (1)	• (1)			
•	•	•	•			
•	•	•	•			
• (2)	• (2)	• (2)	• (2)			
• (3)	• (3)	• (3)	• (3)			
• (4)	• (4)	• (4)	• (4)			
• (4)	• (4)	• (4)	• (4)			
• (4)	• (4)	• (4)	• (4)			
• (5)	•					
• (5)						
•	•	•	•			
•	•	•	•			
• (6)	• (6)	• (6)	• (6)			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
•	•	•	•			
• (7)	• (7)	• (7)	• (7)			

## The ideal boiler replacement

gets extended

## Ideal to replace gas boilers

Houses built in the 90s often need a refurbishment to still look up-to-date.

In a renovation project, this is also important to consider changing your initial heating system.

Daikin Altherma 3 H MT comes as a perfect replacement in such houses, where a leaving water temperature of 65 °C is sufficient. Easy to install, you can even leave the recent radiators installed!

## Suitable for medium sized new buildings

With a capacity range going from 8 to 12 class, Daikin Altherma 3 H MT also fits in medium sized new buildings.







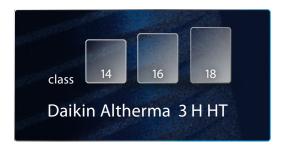
## Ideal to replace oil boilers

Daikin Altherma 3 H HT is a high temperature heat pump, able to deliver a leaving water temperature of 70 °C. Thanks to this operation range, the unit can replace oil boilers in older houses.

Traditional radiators can also stay in place, but more recent radiators could be a good option in order to make further energy savings.

## Suitable for large new buildings

With a capacity range going from 14 to 18 class, Daikin Altherma 3 H HT can answer the needs of large new buildings.



# The Quintessence of heat pump

meeting modern society's expectations



## \*\*\*\*

## Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 H MT & HT.

Heating capacities are also maintained high by low ambient temperature thanks to genuine Daikin technology.

As the market leader, Daikin is always striving to make the most reliable and efficient heat pumps possible. Daikin developed the Bluevolution technology to achieve higher and greener performance. This technology is now part of all new products. The Daikin Altherma 3 H HT was the first Daikin outdoor unit with a distinctive design. Its single fan reduces the noise level and its black front grille makes the unit fit into any environment.

All these dedicated components were developed in-house to make the guintessence of heat pump unique.

Superior performance, renewable energy use, design and acoustic comfort. This is what the Quintessence of heat pump is all about.

#### **BLUEVOLUTION**

The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is one of the pioneers in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO<sub>2</sub> emissions.

Easy to recover and re-use, R-32 is the perfect solution to attain the new European CO<sub>2</sub> emission targets.

R-32

## Timeless design and space-saving installation

Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

The black front grille stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. This unit received the IF and reddot design awards 2019.





Witness a timeless design



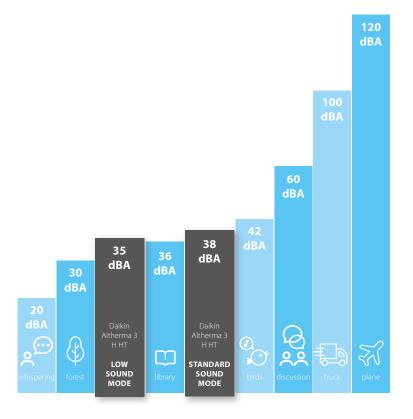


## Silence rhymes with comfort

The Quintessence of heat pump has been designed to reduce its acoustic level and meet the expectations of today's society.

In standard sound mode, the unit produces a sound pressure of 38 dBA at 3 metres, so somewhere between birds chirping and the inside of a library.

The unit also offers greater flexibility by having a low sound mode that reduces the sound pressure at 3 metres to 35 dBA, representing a real reduction of half the sound level!



# Sound power\* Sound pressure

## \* Erp sound power: Daikin Altherma 3 H MT = 53 dBA Daikin Altherma 3 H HT = 54 dBA

## The acoustic level can be evaluated in two ways

- > The **sound power** is generated by the unit itself, independently of distance and environment
- The sound pressure is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.



Listen to the silence of our outdoor unit

## Innovation at the heart of our concerns

The Daikin Altherma 3 H MT & HT are at top of low sound and heating performances thanks to dedicated developments. Several major components are designed to make this product reach the excellence such as a double injection compressor and a single fan even for large capacity units as well as a brand-new casing.

#### A redesigned casing

The black front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is sligthly reflecting the environment where the unit is installed, helping it to blend in in any decor.

This unique design already got design awards.

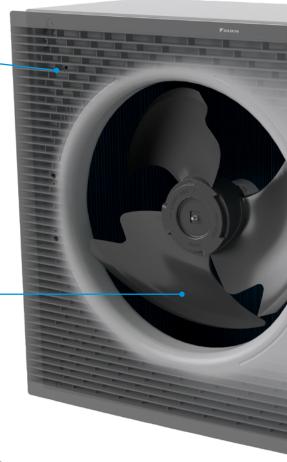




#### A single fan for all capacities

The single fan is slighlty larger, replacing the usual double fan for high capacity units (classes 8-10-12-14-16-18).

The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.

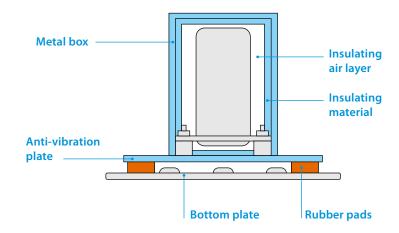


#### Compressor insulation and anti-vibration

To reduce the compressor sound power, several actions were taken in terms of absorption and insulation.

First, the compressor is surrounded by a 3-layer insulation made of air, insulation material and a metal box.

Regarding the absorption, the unit benefits from a double sound reduction by using rubber pads between the bottom plate and the vibration plate under the compressor.





#### New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. The Daikin Altherma 3 H HT compressor is able to deliver a high leaving water temperature of 70 °C on its own, while the Daikin Altherma 3 H MT available in classes 8-10-12 delivers up to 65 °C leaving water temperature.

#### Impressive performance

With these new developments, the Daikin Altherma 3 H MT & HT reach the best performances illustrated in the energy labels:









Space reading

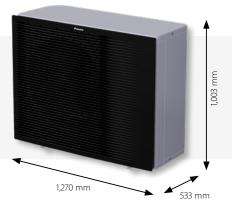


# One solution, multiple combinations

The Quintessence range can be combined with three different indoor units to connect to the outdoor unit, offering specific features to ensure heating, cooling and domestic hot water in your home.

#### Outdoor unit

The outdoor unit is available in 6 classes 8-10-12-14-16-18 kW.



#### Integrated DHW stainless steel tank model

This model is a compact unit with a small footprint of 595 x 625 mm. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.

#### Integrated ECH₂O DHW tank model

The ECH<sub>2</sub>O unit is equipped with a thermal DHW tank of 300 or 500 L that can be connected to thermal solar panels.

#### Wall mounted model

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water.







See exact dimensions per model in the specification tables (p22-29).

# Get the best comfort

## with the best functionalities

Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bizone, giving you the opportunity to tailor your Daikin heating system.

## Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water. Reversible model If cooling is needed, all three indoors have dedicated reversible models. Reversible means that Zone 1 / Night: Bedrooms the system can invert its way of Equipped with radiators. working and provide cooling Programmed to work in the evening instead of heating. The cooling and in the morning. function requires a underfloor HT 70 °C' piping system or fan coil units. MT 65 °C Zone 2 / Day: Living rooms Equipped with fan coils, and/or underfloor heating; works on demand

**Daikin Altherma HPC** (heat pump convectors) are hydronic emitters that can provide cooling or heating. They can be combined and are a perfect fit with underfloor systems.

Your **underfloor piping system** is designed to receive mid-temperature water to heat your home, but when the summer comes, the pipes can also receive colder water to refresh your environment.

### Bizone model

Only the DHW stainless steel tank model has a dedicated bizone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.

<sup>\*</sup> Daikin Altherma 3 H HT models produce a LWT up to 70 °C (14-16-18 classes). Daikin Altherma 3 H MT produces a LWT up to 65 °C (08-10-12 classes).









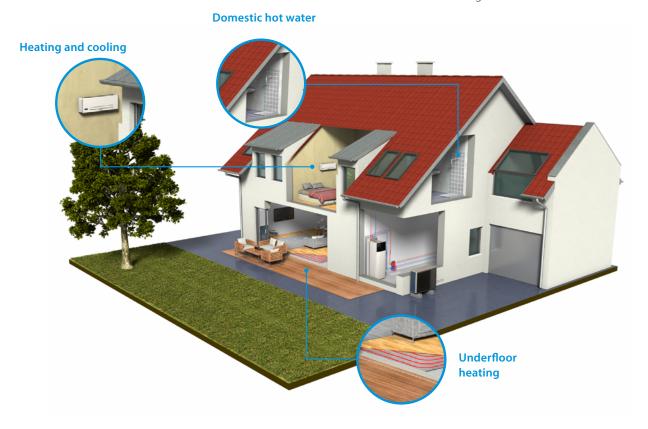


# Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system to deliver heating, domestic hot water and cooling for renovation or large new built.

# All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- > Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6, 9 kW models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones.



# All-in one design

# Reduces the installation footprint and height

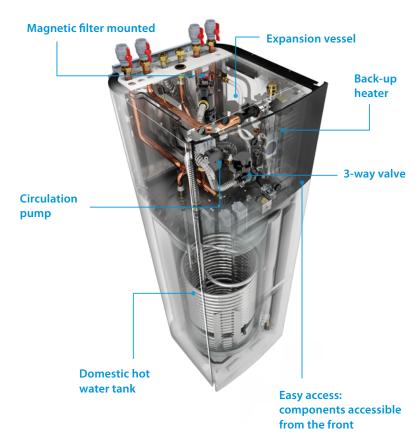
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1.65 m for an 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



#### Advanced user interface

# H(A) I

#### The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

#### Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### Integrated indoor unit







#### Daikin Altherma 3 H MT F

# Floor standing air to water heat pump for heating and hot water

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -28 °C













More details and final information can be found by scanning or clicking the QR codes.

ETVH12E6V

ETVH12E9W

EPRA08-12EV3

EPRA08-12EW1

Efficiency data			ETVH + EPRA		12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W + 10EV/W	12S23E6V/E9W +10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W		
Space heating	Average	General	SCOP		3.41,	3.41/3.52 3.43/3.53						
<b>♣</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			134	/138				
			Seasonal space heating eff	class			A	++				
	Average climate water outlet 35 °C	General	SCOP		4.69	/4.81	4.71/4.84		4.71/4.84			
			ns (Seasonal space heating efficiency)	%	184/190		186/191		186/191			
			Seasonal space heating eff	class	A+++							
Domestic hot	General	Declared I	oad profile	ĺ	L	XL	L	XL	L	XL		
water heating	Average	COPdhw			2.72/2.80	2.96/3.05	2.72/2.80	2.96/3.05	2.72/2.80	2.96/3.05		
	climate	ŋwh (water	heating efficiency)	%	117/120	126/130	117/120	126/130	117/120	126/130		
•		Water hear	ting energy efficiency cla	ass			P	\+				

		water neati	ng energy emciency o	lass				\+				
Indoor Unit				ETVH	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W		
Casing	Colour						White	+ Black				
	Material						Precoated	sheet metal				
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit			kg	108	117	108	117	108	117		
Tank	Water volu	me		I	180	230	180	230	180	230		
-	Maximum	Maximum water temperature °C				70						
	Maximum	Maximum water pressure bar					1	10				
	Corrosion p	orotection					Picl	kling				
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 25				
		Water side	Min.~Max.	°C			18	~ 65				
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35				
	hot water	Water side	Min.~Max.	°C			10	~ 65				
Sound power level	Nom.			dBA			4	14				
Sound pressure level	Nom.			dBA			3	30				

Sound pressure level	Nom.		gra		30	
Outdoor Unit			EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		118	
Compressor	Quantity				1	
	Туре				Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO₂Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					53	
Sound pressure level (at 1 meter)	Nom.				40.60/41.10	
Power supply	Name/Phase/Frequenc	cy/Voltage	Hz/V		V3/1~/50/230 - W1/3~/50/400	
Current	Recommended fuses		A		32/16	





#### Daikin Altherma 3 H HT F

# Floor standing air to water heat pump for **heating and hot water**

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -28 °C















More details and final information can be found by scanning or clicking the QR codes.







ETVH16E9W7 EPRA14-18DV37

EPRA14-18DW17

Efficiency data			ET	VH + EPRA	16S18E6V7/E9W7 +14DV7/W7	16S23E6V7/E9W7 + 14DV7/W7	16S18E6V7/E9W7 + 16DV7/W7	16S23E6V7/E9W7 +16DV7/W7	16S18E6V7/E9W7 +18DV7/W7	16S23E6V7/E9W7 + 18DV7/W7
Space heating	Average	General	SCOP				3.58	/3.57		
<b>~</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			14	10		
			Seasonal space heatin	g eff. class			A-	++		
	Average	General	SCOP				4.51	/4.71		
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%			177/	186		
			Seasonal space heatin	g eff. class			A+	++		
Domestic hot	General	Declared I	oad profile					Ĺ		
water heating	Average	COPdhw			2.62/2.51	2.61/2.55	2.62/2.51	2.61/2.55	2.62/2.51	2.61/2.55
<u></u>	climate	ŋwh (water	heating efficiency)	%	110/106	108/107	110/106	108/107	110/106	108/107
•		Water hear	ting energy efficienc	y class		,		<b>A</b>		

Indoor Unit				ETVH	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7		
Casing	Colour					White + Black						
	Material						Precoated:	sheet metal				
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit			kg	109	118	109	118	109	118		
Tank	Water volu	me		I	180	180 230 180 230 180 23						
_	Maximum	water temper	ature	°C		70						
	Maximum	water pressur	9	bar			1	0				
	Corrosion p	protection			Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 35				
		Water side	Min.~Max.	°C			15 -	~ 70				
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35				
	hot water Water side Min.~Max. °C 10 ~ 63											
Sound power level	Nom.		dBA 44									
Sound pressure level	Nom.			dBA			3	0				

Sound pressure level	Nom.		dBA		30	
Outdoor Unit			EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	<u> </u>
Weight	Unit		kg		146/151	
Compressor	Quantity				1	
	Type				Hermetically sealed scroll compresso	r
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		4.20	
	Charge		TCO₂Eq		2.84	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					54	
Sound pressure level (at 1 meter)	Nom.			-	43	48
Power supply	Name/Phase/Frequenc	y/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400	
Current	Recommended fuses		Α		32/16	





#### Daikin Altherma 3 H MT F

#### Floor standing air to water heat pump for

#### heating, cooling and hot water

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
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- > Heat pump operation down to -28 °C







12S18E6V/E9W

V3/1~/50/230 - W1/3~/50/400

32/16





12S18E6V/E9W + 12EV/W





Efficiency data

More details and final information can be found by scanning or clicking the QR codes.



ETVX12E6V

Hz/V

Α

12S18E6V/E9W

ETVX + EPRA



12S23E6V/E9W

EPRA08-12EV3

EPRA08-12EW1

Space heating	Average	General	SCOP		3.47	/3.59		3.48	/3.60		
•	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			136	5/141			
			Seasonal space heating	eff. class			A	++			
	Average	General	SCOP		4.79	/4.95			/4.98		
	climate water		ns (Seasonal space	%	188	/195		190	/196		
	outlet 35 °C		heating efficiency)								
			Seasonal space heating	eff. class				+++			
Domestic hot	General	Declared lo	oad profile					L			
water heating	Average	COPdhw			2.72/2.80	2.96/3.05	2.72/2.80	2.96/3.05	2.72/2.80	2.96/3.05	
	climate		heating efficiency)	%	117/120	126/130	117/120	126/130	117/120	126/130	
		Water heat	ing energy efficiency	class				A+			
Indoor Unit				ETVX	12S18E6V/D9W	12S23E6V/D9W	12S18E6V/D9W	12S23E6V/D9W	12S18E6V/D9W	12S23E6V/D9V	
Casing	Colour						White	+ Black			
	Material						Precoated	sheet metal			
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit			kg	108	117	108	117	108	117	
Tank	Water volu	me		- 1	180	230	180	230	180	230	
	Maximum v	water tempe	rature	°C	70						
	Maximum v	water pressu	re	bar	10						
	Corrosion p	rotection					Picl	kling			
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 25			
		Water side	Min.~Max.	°C			Pickling -28 ~ 25 18 ~ 65 10 ~ 43 5 ~ 22				
	Cooling	Ambient	Min.~Max.	°C							
		Water side	Min.~Max.	°C							
	Domestic	Ambient	Max.	°C			-28	~ 35			
	hot water	Water side	Min.~Max.	°C			10	~ 65			
Sound power level	Nom.			dBA				14			
Sound pressure level	Nom.			dBA			3	30			
Outdoor Unit				EPRA	08E\	/3/W1	10EV	/3/W1	12EV	/3/W1	
Dimensions	Unit		HeightxWidthxDepth	mm			1,003x1	,270x533			
Weight	Unit			kg			1	18			
Compressor	Quantity							1			
	Type						Hermetically sealed	d swing compressor			
Operation range	Heating		Min.~Max.	°CDB			-28	~ 25			
	Cooling		Min.~Max.	°CDB			10	~ 43			
	Domestic h	ot water	Min.~Max.	°CDB			-28	~ 35			
Refrigerant	Type							-32			
	GWP						6	75			
	Charge			kg				.25			
	Charge			TCO₂Eq			2	.19			
	Control							ion valve			
LW(A) Sound power level (according to EN14825)							<u> </u>	53			
Sound pressure level	Nom.						40.60	0/41.10			

Name/Phase/Frequency/Voltage

Recommended fuses

(at 1 meter)

Current

Power supply





#### Daikin Altherma 3 H HT F

#### Floor standing air to water heat pump for heating, cooling and hot water

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ETVX16E6V7



EPRA14-18DV37

EPRA14-18DW17

Efficiency data			ETV	X + EPRA	16S18E6V7/E9W7 + 14DV7/W7	16S23E6V7/E9W7 + 14DV7/W7	16S18E6V7/E9W7 + 16DV7/W7	16S23E6V7/E9W7 +16DV7/W7	16S18E6V7/E9W7 + 18DV7/W7	16S23E6V7/E9W7 + 18DV7/W7	
Space heating	Average	General	SCOP				3.62	/3.63			
<b>♣</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			14	12			
			Seasonal space heating e	eff. class			A-	++			
			SCOP		4.57/4.81						
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%							
			Seasonal space heating e	eff. class			A+	++			
Domestic hot	General	Declared lo	oad profile		L	XL	L	XL	L	XL	
water heating	Average	COPdhw			2.62/2.51	2.61/2.55	2.62/2.51	2.61/2.55	2.62/2.51	2.61/2.55	
	climate	ŋwh (water	heating efficiency)	%	110/106	108/107	110/106	108/107	110/106	108/107	
•		Water heat	ating energy efficiency class		A						

Indoor Unit				ETVX	16S18E6V7/E79W7	16S23E6V7/E79W7	16S18E6V7/E79W7	16S23E6V7/E79W7	16S18E6V7/E79W7	16S23E6V7/E79W7		
Casing	Colour						White	+ Black				
	Material						Precoated	sheet metal				
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625		
Weight	Unit			kg	109	118	109	118	109	118		
Tank	Water volui	me		- 1	180	230	180	230	180	230		
	Maximum v	water temper	ature	°C		70						
	Maximum v	water pressur	9	bar	10							
	Corrosion p	The second secon										
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 35				
		Water side	Min.~Max.	°C			15 ·	~ 70				
	Cooling	Ambient	Min.~Max.	°C			10 -	~ 43				
		Water side	Min.~Max.	°C			5 ~	· 22				
	Domestic	Ambient	Max.	°C			-28	~ 35				
	hot water	Water side	Min.~Max.	°C			10 -	~ 63				
Sound power level	Nom.			dBA			4	4				
Sound pressure level	Nom.			dBA			3	0				

Sound pressure level	Nom.		dBA		30	
Outdoor Unit			EPRA	14DV37/W17	16DV37/W17	18DV37/W17
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		146/151	
Compressor	Quantity				1	
	Туре				Hermetically sealed scroll compressor	
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		4.20	
	Charge		TCO₂Eq		2.84	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					54	
Sound pressure level (at 1 meter)	Nom.			4	13	48
Power supply	Name/Phase/Frequenc	y/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400	
Current	Recommended fuses		Α		32/16	





#### Daikin Altherma 3 H MT F

# Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -28 °C















More details and final information can be found by scanning or clicking the QR codes.



ETVZ12E6V



EPRA08-12EV3

EPRA08-12EW1

Efficiency data			ETVZ	+ EPRA	12S18E6V/E9W + 08EV/W	12S23E6V/E9W + 08EV/W	12S18E6V/E9W +10EV/W	12S23E6V/E9W + 10EV/W	12S18E6V/E9W + 12EV/W	12S23E6V/E9W + 12EV/W	
Space heating	Average	General	SCOP		3.41,	/3.52		3.43	/3.53		
•	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			134,	/138			
			Seasonal space heating eff.	class			A-	++			
	Average	General	SCOP		4.69	/4.82	4.71/	/4.69	4.71/4.84		
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	184/190		186/184		186/191		
			Seasonal space heating eff.	class	A+++						
Domestic hot	General	Declared le	oad profile					L			
water heating	Average	COPdhw			2.72/2.80	2.96/3.05	2.72/2.80	2.96/3.05	2.72/2.80	2.96/3.05	
	climate	ŋwh (water	heating efficiency)	%	117/120	126/130	117/120	126/130	117/120	126/130	
•		Water heati	ng energy efficiency class		A+						

		water neatin	g energy eniciency class					\+ 			
Indoor Unit				ETVZ	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	12S18E6V/E9W	12S23E6V/E9W	
Casing	Colour						White	+ Black			
	Material						Precoated	sheet metal			
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	
Weight	Unit			kg	114	122	114	122	114	122	
Tank	Water volu	me		- 1	180	230	180	230	180	230	
_	Maximum v	vater temper	ature	°C		70					
	Maximum v	Maximum water pressure bar				10					
	Corrosion p	rotection					Picl	ding			
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 25			
		Water side	Min.~Max.	°C			18 -	~ 65			
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35			
	hot water	Water side	fater side Min.~Max. °C 10 ~ 65								
Sound power level	Nom.			dBA			4	14			
Sound pressure level	Nom.			dBA			3	10			

Sound pressure level	Nom.		dBA		30	
Outdoor Unit			EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		118	
Compressor	Quantity				1	
	Туре				Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO₂Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					53	
Sound pressure level (at 1 meter)	Nom.				40.60/41.10	
Power supply	Name/Phase/Frequence	cy/Voltage	Hz/V		V3/1~/50/230 - W1/3~/50/400	
Current	Recommended fuses		А		32/16	

This product contains fluorinated greenhouse gases.





#### Daikin Altherma 3 H HT F

# Floor standing integrated with **two different temperature zones monitoring**

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump for easy installation
- Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Small installation footprint of 595 x 625 mm
- > Integrated back-up heater of 6 or 9 kW
- > Heat pump operation down to -28 °C















More details and final information can be found by scanning or clicking the QR codes.





EPRA14-18DV37

EPRA14-18DW17

Efficiency data			ETV	Z + EPRA	16S18E6V7/E9W7 + 14DV7/W7	16S23E6V7/E9W7 +14DV7/W7	16S18E6V7/E9W7 +16DV7/W7	16S23E6V7/E9W7 + 16DV7/W7	16S18E6V7/E9W7 + 18DV7/W7	16S23E6V7/E9W7 + 18DV7/W7
Space heating	Average	General	SCOP				3.58	/3.57		
♣	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			14	40		
			Seasonal space heating e	eff. class			A-	++		
	Average	General	SCOP				4.51	/4.71		
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%						
			Seasonal space heating e	eff. class			A+	++		
Domestic hot	General	Declared lo	oad profile		L	XL	L	XL	L	XL
water heating	Average				2.62/2.51	2.61/2.55	2.62/2.51	2.61/2.55	2.62/2.51	2.61/2.55
<u>~</u>	climate	ŋwh (water heating efficiency)		%	110/106	108/107	110/106	108/107	110/106	108/107
•		Water heating energy efficiency class					A			

		water neathi	g energy eniciency class										
Indoor Unit				ETVZ	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7	16S18E6V7/E9W7	16S23E6V7/E9W7			
Casing	Colour					White + Black							
	Material					Precoated sheet metal							
Dimensions	Unit		HeightxWidthxDepth	mm	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625	1,650x595x625	1,850x595x625			
Weight	Unit			kg	120	128	120	128	120	128			
Tank	Water volu	me		- 1	180	230	180	230	180	230			
	Maximum water temperature			°C		70							
	Maximum	Maximum water pressure					1	0					
	Corrosion p	protection			Pickling								
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 35					
		Water side	Min.~Max.	°C			15 -	~ 70					
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35					
	hot water	Water side	Min.~Max.	°C	°C 10 ~ 63								
Sound power level	Nom.			dBA			4	4					
Sound pressure level	Nom.			dBA	A 30								

Sound pressure level	Nom.		dBA		30						
Outdoor Unit			EPRA	14DV37/W17	16DV37/W17	18DV37/W17					
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533						
Weight	Unit		kg		146/151						
Compressor	Quantity				1						
	Туре				Hermetically sealed scroll compressor						
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25						
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35						
Refrigerant	Туре				R-32						
	GWP				675						
	Charge		kg		4.20						
	Charge		TCO₂Eq		2.84						
	Control				Expansion valve						
LW(A) Sound power level (according to EN14825)					54						
Sound pressure level (at 1 meter)	Nom.			4	3	48					
Power supply	Name/Phase/Frequenc	:y/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400						
Current	Recommended fuses		А		32/16						



The Daikin Altherma high temperature split integrated ECH<sub>2</sub>O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

#### Intelligent storage management

- > The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- > Continuous heating during defrost mode and use of stored heat for space heating (500 L tank only)
- Electronic management of both heat pump and ECH<sub>2</sub>O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- > Achieves the highest standards for water sanitation
- > Uses more renewable energy with solar connection

#### Innovative and high-quality tank

- > Lightweight plastic tank
- > No corrosion, anode, scale or lime deposits
- Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

#### Combinable with other heat sources

 The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption



#### Advanced user interface

#### The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

#### Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

The user interface works really fast thanks to its iconbased menus.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.

- > Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- > Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- > Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- > Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

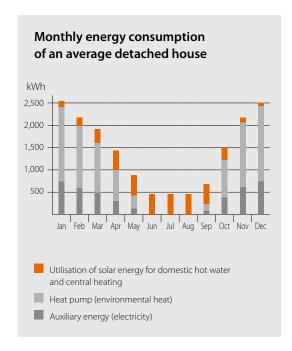
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

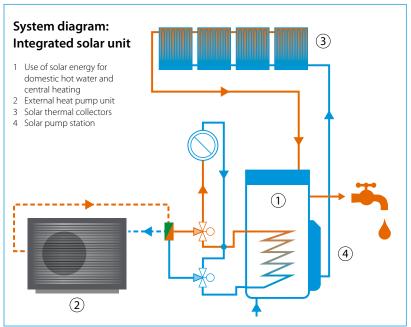
## Pressureless (drain-back) solar system (ETSH\*, ETSX\*)

- > The solar collectors are only filled with water when sufficient heating is provided by the sun
- The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- After filling, water circulation is maintained by the remaining pump

# Pressurised solar system (ETSHB\*, ETSXB\*)

- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- > System is pressurised and sealed









### Daikin Altherma 3 H MT ECH₂O

# Floor standing air-to-water heat pump for **heating** and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- > Heat pump operation down to -28 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump













More details and final information can be found by scanning or clicking the QR codes.



EPRA08-12EV3

2.19

Expansion valve

53

40.60/41.10

V3/1~/50/230 - W1/3~/50/400

32/16

EPRA08-12EW1

Efficiency data			ET	SH + EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W	
Space heating	Average	General	SCOP		3.41	/3.52		3.43	/3.53		
<b>♣</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			134	/138			
			Seasonal space heating	g eff. class			A-	++			
	Average	General	SCOP		4.69	)/4.81	4.71	/4.84	4.71	/4.84	
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	184	/190	186	/191	186	5/191	
			Seasonal space heating	g eff. class			A+	++			
Domestic hot	General	Declared lo	ad profile					L			
water heating	Average	COPdhw	•		2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17	
	climate	ŋwh (water l	neating efficiency)	%	116/119	128/131	116/119	128/131	116/119	128/131	
•		Water heat	ing energy efficiency	y class		A+					
Indoor Unit				ETSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	
Casing	Colour						ffic white (RAL9016)				
5	Material							t polypropylene			
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	
Weight	Unit			kg	75	98	75	98	75	98	
Tank	Water volur	ne		Ī	294	477	294	477	294	477	
	Maximum v	vater temper	ature	°C		85					
Operation range	Heating	Ambient	Min.~Max.	°C			-28	~ 25			
		Water side	Min.~Max.	°C			18 -	~ 65			
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35			
	hot water	Water side	Min.~Max.	°C			10 -	~ 63			
Sound power level	Nom.			dBA			47	.30			
Sound pressure level	Nom.			dBA			38	.60			
Outdoor Unit				EPRA	08E\	/3/W1	10EV	/3/W1	12EV	/3/W1	
Dimensions	Unit		HeightxWidthxDepth	mm			1,003x1,	270x533			
Weight	Unit			kg			1	18			
Compressor	Quantity							1			
	Туре						Hermetically sealed	d swing compressor			
Operation range	Heating		Min.~Max.	°CDB			-28	~ 25			
-	Domestic h	ot water	Min.~Max.	°CDB			-28	~ 35			
Refrigerant	Type						R-	-32			
	GWP				675						
	Charge			kg	3.25						
					1						

TCO₂Eq

Hz/V

Α

This product contains fluorinated greenhouse gases.

Charge

Control

Name/Phase/Frequency/Voltage

Recommended fuses

LW(A) Sound power

Sound pressure level Nom.

level (according to EN14825)

(at 1 meter)

Current

Power supply





### Daikin Altherma 3 H HT ECH₂O

# Floor standing air-to-water heat pump for **heating** and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
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- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Solar support of domestic hot water with pressureless (drain-back) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- > Heat pump operation down to -28 °C
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump













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ETSH16E7 EPRA14-18DV37

EPRA14-18DW17

Efficiency data			ETSH + EPR		16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7	
Space heating	Average	General	SCOP				3.58	3.57			
<b>♣</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			14	.0			
			Seasonal space heating eff. class				A	-+			
	Average	General	SCOP		4.51/4.71						
	climate water outlet 35 °C	ns (Seasonal space % heating efficiency)		%			177/	186			
			Seasonal space heating eff. class A+++								
Domestic hot	General	Declared I	oad profile		L	XL	L	XL	L	XL	
vater heating	Average	COPdhw			2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99	
	climate	ŋwh (water heating efficiency) %			124	125	124	125	124	125	
•	_	Water heating energy efficiency class			A+						

Indoor Unit				ETSH	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7		
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)							
	Material					Impact resistant polypropylene						
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816		
Weight	Unit			kg	75	98	75	98	75	98		
Tank	Water volu	me		- 1	294	477	294	477	294	477		
	Maximum water temperature °C					85						
Operation range	Heating	Ambient	Min.~Max.	°C		-28 ~ 35						
		Water side	Min.~Max.	°C			15 -	~ 70				
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35				
	hot water	Water side	Min.~Max.	°C	10 ~ 63							
Sound power level	Nom.			dBA			45	5.6				
Sound pressure level	Nom.			dBA	dBA 32.8							

sound pomer iere.			1510							
Sound pressure level	Nom.		dBA		32.8					
Outdoor Unit			EPRA	14DV37/W17	16DV37/W17	18DV37/W17				
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533					
Weight	Unit		kg		146/151					
Compressor	Quantity				1					
	Туре				Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25					
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35					
Refrigerant	Туре				R-32					
	GWP				675					
	Charge		kg		4.20					
	Charge		TCO₂Eq		2.84					
	Control				Expansion valve					
LW(A) Sound power level (according to EN14825)					54					
Sound pressure level (at 1 meter)	Nom.			4:	3.0	48.0				
Power supply	Name/Phase/Frequenc	cy/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400					
Current	Recommended fuses		Α		32/16					





### Daikin Altherma 3 H MT ECH₂O

# Floor standing air-to-water heat pump for **bivalent** heating and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation
- > Heat pump operation down to -28 °C













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EPRA08-12EV3

EPRA08-12EW1

Efficiency data			ETSHB + E	PRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/V		
Space heating	Average	General	SCOP		3.41	/3.52		3.43	/3.53			
<b>♣</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			134	4/138				
		Seasonal space heating eff. class A++										
	Average	General	SCOP	4.69/4.81 4.71/4.84 4.71/4.84								
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	184	/190	186	/191	186	/191		
			Seasonal space heating eff. class	SS			A+	++				
Domestic hot	General	Declared lo	oad profile					L				
water heating	Average	COPdhw			2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17		
	climate	climate nwh (water heating efficiency) % 116/119 128/131 116/119 128/131 116/119						116/119	128/131			
•		Water heating energy efficiency class			A+							

Indoor Unit				ETSHB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	
Casing	Colour					Tra	ffic white (RAL9016)	/ Traffic black (RAL9	017)		
	Material						Impact resistan	t polypropylene			
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	
Weight	Unit			kg	76	100	76	100	76	100	
Tank	Water volu	ne		- 1	294	477	294	477	294	477	
	Maximum water temperature			°C			8	5			
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35						
		Water side	Min.~Max.	°C			18 -	- 65			
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35			
	hot water	Water side	Min.~Max.	°C	°C 10 ~ 63						
Sound power level	Nom.			dBA	dBA 45.6						
Sound pressure level	Nom.			dBA	IBA 32.8						

Sound pressure level	Nom.		dBA		32.8	
Outdoor Unit			EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		118	
Compressor	Quantity				1	
	Туре				Hermetically sealed swing compressor	•
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Type				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO₂Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					53	
Sound pressure level (at 1 meter)	Nom.				40.60/41.10	
Power supply	Name/Phase/Frequence	cy/Voltage	Hz/V		V3/1~/50/230 - W1/3~/50/400	
Current	Recommended fuses		Α		32/16	

This product contains fluorinated greenhouse gases.





## Daikin Altherma 3 H HT ECH<sub>2</sub>O

#### Floor standing air-to-water heat pump for bivalent heating and hot water with thermal solar support

- > Integrated solar unit, offering top comfort in heating and hot water
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- > App control possible for managing heating and hot water operation
- > Heat pump operation down to -28 °C















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ETSHB16E7

EPRA14-18DV37

EPRA14-18DW17

Efficiency data			ETSHB + EPF	RA	16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7
Space heating	Average	General	SCOP				3.58	/3.57		
♣	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			14	10		
			Seasonal space heating eff. class				A-	++		
	Average	General	SCOP				4.51	/4.71		
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	177/186					
			Seasonal space heating eff. class	I space heating eff. class A+++						
Domestic hot	General	Declared I	oad profile		L	XL	L	XL	L	XL
water heating	Average	COPdhw			2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99
	climate	nwh (water heating efficiency) %			124	125	124	125	124	125
•		Water hear	ting energy efficiency class				A	+		

Indoor Unit				ETSHB	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7		
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)							
	Material				Impact resistant polypropylene							
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816		
Weight	Unit			kg	76	100	76	100	76	100		
Tank	Water volume		- 1	294	477	294	477	294	477			
	Maximum water temperature °C						8	15				
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35							
		Water side	Min.~Max.	°C			15 -	~ 70				
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35				
	hot water	Water side	Min.~Max.	°C	°C 10 ~ 63							
Sound power level	Nom.			dBA	dBA 45.6							
Sound pressure level	Nom.			dBA	dBA 32.8							

Sound pressure level	Nom.		dBA		32.8					
Outdoor Unit			EPRA	14DV37/W17	16DV37/W17	18DV37/W17				
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533					
Weight	Unit		kg		146/151					
Compressor	Quantity				1					
	Туре				Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 35					
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35					
Refrigerant	Туре				R-32					
	GWP				675					
	Charge		kg		4.20					
	Charge		TCO₂Eq		2.84					
	Control				Expansion valve					
LW(A) Sound power level (according to EN14825)					54					
Sound pressure level (at 1 meter)	Nom.			4:	3.0	48.0				
Power supply	Name/Phase/Frequenc	cy/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400					
Current	Recommended fuses A 32/16									





### Daikin Altherma 3 H MT ECH₂O

#### Floor standing air-to-water heat pump for heating, cooling and hot water with thermal solar support

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- > Solar support of domestic hot water with pressureless (drainback) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- > App control possible for managing heating, hot water and cooling operation
- > Outdoor unit extracts heat from the outdoor air, even at -28 °C
- > Possible to connect to photovoltaïc solar panels to provide energy for your heat pump













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FTSX12F FPRA08-12FV3 EPRA08-12EW1

Efficiency data			ETSX	+ EPRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W		
Space heating	Average	General	SCOP		3.47/	3.59		3.48	3/3.60			
<b>♣</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			13	6/141				
			Seasonal space heating eff	class		A++						
	Average	General	SCOP		4.79/	4.95		4.82	2/4.98			
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)		189/	195		190	0/196			
			Seasonal space heating eff	class								
Domestic hot	General	Declared I	oad profile		L							
vater heating Avera	Average	COPdhw			2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17		
climate		ŋwh (water heating efficiency) %			116/119	128/131	116/119	128/131	116/119	128/131		
•		Water heating energy efficiency class			A+							

		water neat	ng energy emciency o	LIdSS	At								
Indoor Unit				ETSX	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E			
Casing	Colour					Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material						Impact resistar	nt polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816			
Weight	Unit			kg	75	98	75	98	75	98			
Tank	Water volu	me		- 1	294	477	294	477	294	477			
	Maximum	water temper	ature	°C				85					
	Heating	Ambient	Min.~Max.	°C	°C -28 ~ 25								
		Water side	Min.~Max.	°C			18	~ 65					
	Cooling	Ambient	Min.~Max.	°C			10	~ 43					
		Water side	Min.~Max.	°C			5	~ 22					
	Domestic	Ambient	Min.~Max.	°C			-28	3 ~ 35					
	hot water	Water side	Min.~Max.	°C	10 ~ 63								
Sound power level	Nom.			dBA			4	7.30					
Sound pressure level	Nom.			dBA			3:	8.60					

Sound pressure level	Nom.		dBA		38.60	
Outdoor Unit			EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		118	
Compressor	Quantity				1	
	Туре				Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO₂Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					53	
Sound pressure level (at 1 meter)	Nom.				40.60/41.10	
Power supply	Name/Phase/Frequenc	y/Voltage	Hz/V		V3/1~/50/230 - W1/3~/50/400	
Current	Recommended fuses		Α		32/16	

This product contains fluorinated greenhouse gases.





## Daikin Altherma 3 H HT ECH<sub>2</sub>O

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- Solar support of domestic hot water with pressureless (drainback) solar system
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating, hot water and cooling operation
- > Outdoor unit extracts heat from the outdoor air, even at -28  $^{\circ}\text{C}$
- Possible to connect to photovoltaïc solar panels to provide energy for your heat pump













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EPRA14-18DV37

32/16

EPRA14-18DW17

Efficiency data			ETSX	+ EPRA	16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7	
Space heating	Average	General	SCOP				3.6	2/3.63			
•	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%				142			
			Seasonal space heating eff	f. class	A++						
	Average	General	SCOP				4.5	7/4.81			
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%			18	0/190			
			Seasonal space heating eff	f. class			А	+++			
Domestic hot	General	Declared I	oad profile		L	XL	L	XL	L	XL	
vater heating	Average	COPdhw			2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99	
	climate	ŋwh (water	heating efficiency)	%	124	125	124	125	124	125	
•		Water hear	ting energy efficiency cl	ass				A+			

		vvater neat	ing chergy chiciency (	luss	NI .								
Indoor Unit				ETSX	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7			
Casing	Colour					Traffic white (RAL9016) / Dark grey (RAL7011)							
	Material						Impact resista	nt polypropylene					
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816			
Weight	Unit			kg	75	98	75	98	75	98			
Tank	Water volui	me		- 1	294	477	294	477	294	477			
	Maximum v	Maximum water temperature			85								
	Heating	Ambient	Min.~Max.	°C		-28 ~ 35							
		Water side	Min.~Max.	°C			15	~ 70					
	Cooling	Ambient	Min.~Max.	°C			10	~ 43					
		Water side	Min.~Max.	°C			5	~ 22					
	Domestic	Ambient	Min.~Max.	°C			-28	i ~ 35					
	hot water	Water side	Min.~Max.	°C	C 10 ~ 63								
Sound power level	Nom.			dBA			4	5.6					
Sound pressure level	Nom			dΒΔ			-	2.8					

Sound pressure level	Nom.		dBA		32.8					
Outdoor Unit			EPRA	14DV37/W17	16DV37/W17	18DV37/W17				
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533					
Weight	Unit		kg		146/151					
Compressor	Quantity				1					
	Туре				Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25					
	Cooling	Min.~Max.	°CDB		10 ~ 43					
	Domestic hot water	Min.~Max.	°CDB		-28 ~35					
Refrigerant	Туре				R-32					
	GWP				675					
	Charge		kg		4.20					
	Charge		TCO₂Eq		2.84					
	Control				Expansion valve					
LW(A) Sound power level (according to EN14825)					54					
Sound pressure level (at 1 meter)	Nom.			4	3.0	48.0				
Power supply	Name/Phase/Frequenc	cy/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400					
				†						

Α

Recommended fuses





## Daikin Altherma 3 H MT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation















More details and final information can be found by scanning or clicking the QR codes.



ETSXB12E

EPRA08-12EV3

32/16

EPRA08-12EW1

Efficiency data			ETSXB + E	PRA	12P30E + 08EV/W	12P50E + 08EV/W	12P30E + 10EV/W	12P50E + 10EV/W	12P30E + 12EV/W	12P50E + 12EV/W	
Space heating	Average	General	SCOP		3.47/	3.59		3.48	3/3.60		
	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%			13	6/141			
			Seasonal space heating eff. cla	SS	A++						
	Average	General	SCOP	SCOP			4.79/4.95 4.82/4.98				
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	% 189/195 190/196						
			Seasonal space heating eff. cla	ss	A+++						
Domestic hot	General	Declared le	oad profile		L						
vater heating	Average	COPdhw			2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17	2.75/2.83	3.10/3.17	
	climate	nwh (water heating efficiency) %		%	116/119	128/131	116/119	128/131	116/119	128/131	
•		Water heating energy efficiency class						A+			

Indoor Unit				ETSXB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E			
Casing	Colour					Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material				Impact resistant polypropylene								
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816			
Weight	Unit			kg	76	100	76	100	76	100			
Tank	Water volu	me		Ī	294	477	294	477	294	477			
	Maximum water temperature °C				85								
	Heating	Ambient	Min.~Max.	°C	-28 ~ 25								
		Water side	Min.~Max.	°C		18 ~ 65							
	Cooling	Ambient	Min.~Max.	°C			10	~ 43					
		Water side	Min.~Max.	°C			5	~ 22					
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35					
	hot water	Water side	Min.~Max.	°C	10 ~ 63								
Sound power level	Nom.			dBA	dBA 47.30								
Sound pressure level	Nom.			dBA	dBA 38.60								

Sound pressure level	Nom.		dBA		38.60	
Outdoor Unit			EPRA	08EV3/W1	10EV3/W1	12EV3/W1
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		118	
Compressor	Quantity				1	
	Туре				Hermetically sealed swing compressor	
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO₂Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power level (according to EN14825)					53	
Sound pressure level (at 1 meter)	Nom.				40.60/41.10	
Power supply	Name/Phase/Frequence	cy/Voltage	Hz/V		V3/1~/50/230 - W1/3~/50/400	

Α

This product contains fluorinated greenhouse gases.

Recommended fuses





## Daikin Altherma 3 H HT ECH<sub>2</sub>O

Floor standing air-to-water heat pump for **bivalent heating, cooling and hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation

















More details and final information can be found by scanning or clicking the QR codes.



ETSXB16E7

EPRA14-18DV37

V3/1~/50/230 / W1/3~/50/400

32/16

EPRA14-18DW17

Efficiency data			ETSXB+	EPRA	16P30E7 + 14DV7/W7	16P50E7 + 14DV7/W7	16P30E7 + 16DV7/W7	16P50E7 + 16DV7/W7	16P30E7 + 18DV7/W7	16P50E7 + 18DV7/W7
pace heating	Average	General	SCOP				3.6	2/3.63		
<b>₽</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%				142		
			Seasonal space heating eff. cl	lass			A	\++		
(	Average	General	SCOP	SCOP 4.57/4.81						
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%			18	0/190		
			Seasonal space heating eff. cl	lass			A	+++		
Domestic hot	General	Declared le	oad profile		L	XL	L	XL	L	XL
rater heating	Average	COPdhw		T i	2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99	2.86/2.85	3.00/2.99
	climate	ŋwh (water	heating efficiency)	%	124	125	124	125	124	125
•	-	Water heating energy efficiency class		A+						

Indoor Unit				ETSXB	16P30E7	16P50E7	16P30E7	16P50E7	16P30E7	16P50E7	
Casing	Colour				Traffic white (RAL9016) / Dark grey (RAL7011)						
	Material				Impact resistant polypropylene						
Dimensions	Unit		HeightxWidthxDepth	mm	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	1,892x594x644	1,910x792x816	
Weight	Unit			kg	76	100	76	100	76	100	
	Water volume				294	477	294	477	294	477	
	Maximum v	Maximum water temperature °C			85						
	Heating	Ambient	Min.~Max.	°C	-28 ~ 35						
		Water side	Min.~Max.	°C	15 ~ 70						
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43						
		Water side	Min.~Max.	°C			5	~ 22			
	Domestic	Ambient	Min.~Max.	°C			-28	~ 35			
	hot water	Water side	Min.~Max.	°C	10 ~ 63						
Sound power level	Nom.			dBA			4	5.6			
Sound pressure level	Nom.			dBA			3	2.8			

Sound pressure level	Nom.		dBA		32.8					
Outdoor Unit			EPRA	14DV37/W17	16DV37/W17	18DV37/W17				
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533					
Weight	Unit		kg		146/151					
Compressor	Quantity				1					
	Туре				Hermetically sealed scroll compressor					
Operation range	Heating	Min.~Max.	°CDB		-28 ~ 25					
	Cooling	Min.~Max.	°CDB		10 ~ 43					
	Domestic hot water	Min.~Max.	°CDB		-28 ~ 35					
Refrigerant	Туре				R-32					
	GWP				675					
	Charge		kg		4.20					
	Charge		TCO₂Eq		2.84					
	Control				Expansion valve					
LW(A) Sound power level (according to EN14825)					54					
Sound pressure level (at 1 meter)	Nom.			4	3.0	48.0				

Hz/V

Α

This product contains fluorinated greenhouse gases.

Name/Phase/Frequency/Voltage

Recommended fuses

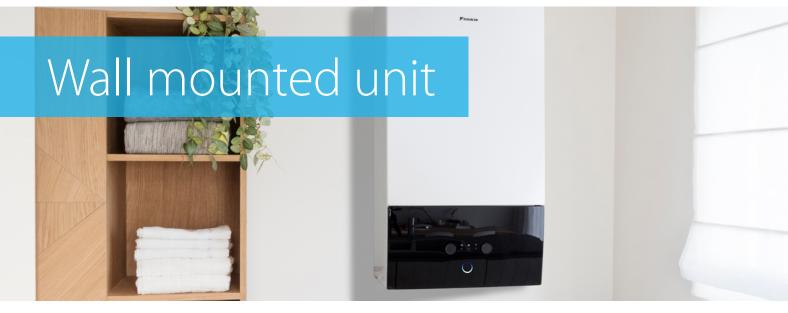
Power supply









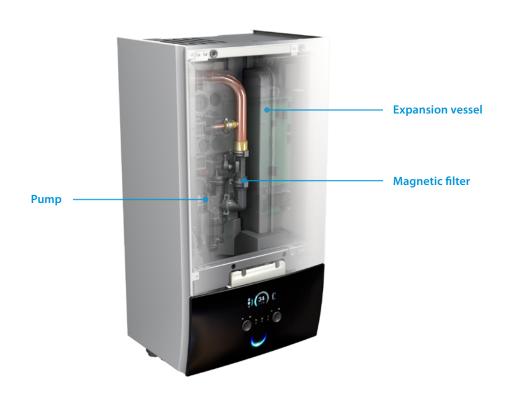


# Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

# High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- > PCB board and hydraulic components are located in the front for easy access
- > Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel or ECH<sub>2</sub>O thermal store



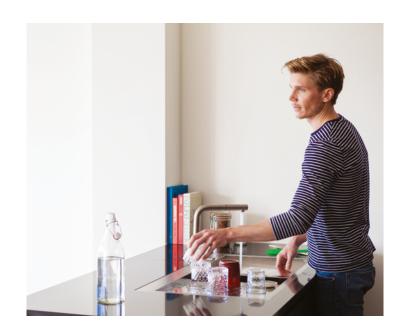
#### Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.

ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- > Optimal domestic hot water performance: with high tapping performance
- > Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options



#### Flexibility in providing space heating

The wall mounted unit is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.







#### Daikin Altherma 3 H MT W

#### Wall mounted heating only air-to-water heat pump

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- > Heat pump operation down to -28 °C











More details and final information can be found by scanning or clicking the QR codes.



ETBH12E6V

Α



TBH12E9W

FPRA08-12FV3

32/16

FPRA08-12FW1

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Efficiency data			ETBH	+ EPRA	12E6V + 08EV/W	12E9W + 08EV/W	12E6V + 10EV/W	12E9W + 10EV/W	12E6V + 12EV/W	12E9W + 12EV/W		
Space heating	Average	General	SCOP		3.41/3.52 3.43/3.53							
•	climate water outlet 55 °C		ns (Seasonal space % heating efficiency)			134/138						
			Seasonal space heatin	Seasonal space heating eff. class A++								
	Average	General	SCOP			4.69/4.81 4.71/		/4.84	/4.84 4.71/4.84			
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	184	1/190	186	186/191		186/191		
			Seasonal space heatin	g eff. class			A-	+++				
Indoor Unit				ETBH	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W		
Casing	Colour						White	+ Black				
	Material						Shee	t metal				
Dimensions	Unit		HeightxWidthxDepth	mm			840x4	40x390				
Weight	Unit			kg			36	5.50				
Operation range	Heating	Ambient	Min.~Max.	°C		-28 ~ 25						
		Water side	Min.~Max.	°C		18 ~ 65						
	Domestic	Ambient	Min.~Max.	°C	-28 ~ 35							
	hot water	Water side	Min.~Max.	°C			10	~ 63				
Sound power level	Nom.			dBA			4	14				
Sound pressure level	Nom.			dBA			:	30				
Outdoor Unit				EPRA	08E	V3/W1	10E	V3/W1	12E	V3/W1		
Dimensions	Unit		HeightxWidthxDepth	mm			1,003x1	,270x533				
Weight	Unit			kg			1	18				
Compressor	Quantity							1				
	Туре							d swing compressor				
Operation range	Heating		Min.~Max.	°CDB				~ 25				
	Domestic h	ot water	Min.~Max.	°CDB				~ 35				
Refrigerant	Туре				R-32							
	GWP				675							
	Charge			kg	3.25							
	Charge			TCO₂Eq	2.19 Expansion valve							
LW(A) Sound power	Control											
level (according to EN14825)								53				
Sound pressure level (at 1 meter)	Nom.							0/41.10				
Power supply		e/Frequency	/Voltage	Hz/V			V3/1~/50/230	- W1/3~/50/400				
Current	Dosomon	dad fucas		Λ.			25	/16				

Recommended fuses





#### Daikin Altherma 3 H HT W

#### Wall mounted **heating only** air-to-water heat pump

- > Inclusion of all hydraulic components means no third party components are required
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- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- > Heat pump operation down to -28 °C











More details and final information can be found by scanning or







EDD 4.14 10 DV 4/17

	codes.		TO STATE OF THE PARTY OF THE PA			ETBH16E9W						
Efficiency data			ETBH	+ EPRA	16E6V7 + 14DV7/DW7	16E9W7 + 14DV7/DW7	16E6V7 + 16DV7/W7	16E9W7 + 16DV7/W7	16E6V7 + 18DV7/DW7	16E9W7 + 18DV7/DW7		
Space heating	Average	General	SCOP				3.58	/3.57				
<b>♣</b>	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%		140						
			Seasonal space heating	g eff. class			A	++				
	Average	General	SCOP				4.51	/4.71				
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	177/186 A+++							
			Seasonal space heatin	g eff. class								
Indoor Unit				ETBH	16E6V7	16E9W7	16E6V7	16E9W7	16E6V7	16E9W7		
Casing	Colour							+ Black				
	Material							metal				
Dimensions	Unit		HeightxWidthxDepth	mm				40x390				
Weight	Unit			kg				12				
Operation range	Heating	Ambient	Min.~Max.	°C	-28~35							
		Water side	Min.~Max.	°C	18 ~ 70							
	Domestic	Ambient	Min.~Max.	°C	-28 ~ 35							
	hot water	Water side	Min.~Max.	°C				~ 63				
Sound power level	Nom.			dBA			,	14				
Sound pressure level	Nom.			dBA			3	30				
Outdoor Unit				EPRA	14DV	37/W17		37/W17	18DV:	37/W17		
Dimensions	Unit		HeightxWidthxDepth	mm			1,003x1,	.270x533				
Weight	Unit			kg			146	5/151				
Compressor	Quantity				1							
	Type							d scroll compressor				
Operation range	Heating		Min.~Max.	°CDB				~ 35				
	Domestic h	ot water	Min.~Max.	°CDB				~ 35				
Refrigerant	Type				R-32							
	GWP				675							
	Charge			kg	4.20							
	Charge			TCO₂Eq	2.84							
	Control Expansion valve											
LW(A) Sound power level (according to EN14825)							5	54				
Sound pressure level (at 1 meter)	Nom.					4	13		4	18		
Power supply	Name/Phase	e/Frequency	/Voltage	Hz/V		V3/1~/50/230 / W1/3~/50/400						
i ower suppry												





#### Daikin Altherma 3 H MT W

#### Wall mounted **reversible** air-to-water heat pump

- > Inclusion of all hydraulic components means no third party components are required
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- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- > Heat pump operation down to -28 °C







32/16





More details and final information can be found by scanning or clicking the QR codes.



ETBX12E6V

Α



ETBX12E9W

EPRA08-12EV3

EPRA08-12EW1

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Efficiency data			ЕТВХ	+ EPRA	12E6V + 08EV/W	12E9W + 08EV/W	12E6V + 10EV/W	12E9W + 10EV/W	12E6V + 12EV/W	12E9W + 12EV/\		
Space heating	Average	General	SCOP		3.	47/3.59		3.48/	3.60			
	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%								
			Seasonal space heating	eff. class		A++						
	Average	General	SCOP		4.79/4.95 4.82/4.98							
	climate water outlet 35 °C		ns (Seasonal space % heating efficiency)		18	188/195 190/196						
			Seasonal space heating	eff. class			A+++					
Indoor Unit				ETBX	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W		
Casing	Colour						White	+ Black				
	Material					Sheet metal						
Dimensions	Unit		HeightxWidthxDepth	mm			840x4	40x390				
Weight	Unit			kg			36	.50				
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 25							
		Water side	Min.~Max.	°C								
	Cooling	Ambient	Min.~Max.	°C	10 ~ 43							
		Water side	Min.~Max.	°C			5 ~	· 22				
	Domestic hot	Ambient	Max.	°C			-28	~ 35				
	water	Water side	Min.~Max.	°C			10 -	~ 63				
Sound power level	Nom.			dBA				4				
Sound pressure level	Nom.			dBA			3	0				
Outdoor Unit				EPRA	08	EV3/W1	10E\	/3/W1	12E\	/3/W1		
Dimensions	Unit		HeightxWidthxDepth	mm			1,003x1,	270x533				
Weight	Unit			kg			1	18				
Compressor	Quantity				1							
	Type						Hermetically sealed	d swing compressor				
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25							
	Cooling		Min.~Max.	°CDB	10 ~ 43							
	Domestic h	ot water	Min.~Max.	°CDB	-28 ~ 35							
Refrigerant	Type				R-32							
	GWP				675							
	Charge			kg	3.25							
	Charge	Charge TCO <sub>2</sub> Eq			2.19							
	Control Expansion valve											
LW(A) Sound power level (according to EN14825)							5	33				
Sound pressure level (at 1 meter)	Nom.							)/41.10				
Power supply	Name/Phas	e/Frequency	/Voltage	Hz/V			V3/1~/50/230 -	W1/3~/50/400				
Current	Recommen	dad fusas		Δ			32	/16				

This product contains fluorinated greenhouse gases.

Recommended fuses





#### Daikin Altherma 3 H HT W

#### Wall mounted **reversible** air-to-water heat pump

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- Compact dimensions allows for small installation space, as almost no side clearances are required
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- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store
- > Heat pump operation down to -28 °C











More details and final information can be found by scanning or clicking the QR codes.







ETBX16E9W

EPRA14-18DV37

EPRA14-18DW17

F.C				/ · FDD4	445419	4450447	445415	445045	445417	4450117		
Efficiency data			ETB)	( + EPRA	16E6V7 + 14DV7/W7	16E9W7 + 14DV7/W7	16E6V7 + 16DV7/W7	16E9W7 + 16DV7/W7	16E6V7 + 18DV7/W7	16E9W7+ 18DV7/W7		
Space heating	Average	General	SCOP		3.62/3.63 142							
♣•	climate water outlet 55 °C		ns (Seasonal space heating efficiency)	%								
			Seasonal space heating	g eff. class	A++							
	Average	General	SCOP		4.57/4.81							
	climate water outlet 35 °C		ns (Seasonal space heating efficiency)	%	180/190							
			Seasonal space heatin	g eff. class			A+	++				
Indoor Unit				ETBX	16E6V7	16E9W7	16E6V7	16E9W7	16E6V7	16E9W7		
Casing	Colour						White-	- Black				
	Material						Sheet	metal				
Dimensions	Unit		HeightxWidthxDepth	mm			840x44	0x390				
Weight	Unit			kg			4	2				
Operation range	Heating	Ambient	Min.~Max.	°C	-28 ~ 35							
		Water side	Min.~Max.	°C	18 ~ 70							
	Cooling	Ambient	Min.~Max.	°C			10 ~	43				
		Water side	Min.~Max.	°C			5 ~	22				
	Domestic hot	Ambient	Max.	°C			-28	~ 35				
	water	Water side	Min.~Max.	°C			10 ~	63				
Sound power level	Nom.			dBA			4	4				
Sound pressure level	Nom.			dBA			3	0				
Outdoor Unit				EPRA	14DV	37/W17	16DV	37/W17	18DV3	7/W17		
Dimensions	Unit		HeightxWidthxDepth	mm			1,003x1,					
Weight	Unit			kg			146					
Compressor	Quantity						1					
	Type						Hermetically sealed	•				
Operation range	Heating		Min.~Max.	°CDB	-28 ~ 25							
	Cooling		Min.~Max.	°CDB	10 ~ 43							
	Domestic h	ot water	Min.~Max.	°CDB	-28 ~ 35							
Refrigerant	Type				R-32							
	GWP				675							
	Charge			kg	4.20							
	Charge			TCO₂Eq	2.84							
	Control						Expansi					
LW(A) Sound power level (according to EN14825)					54							
Sound pressure level (at 1 meter)	Nom.					4	13		4	8		
Power supply	Name/Phas	e/Frequency	/Voltage	Hz/V			V3/1~/50/230 /	W1/3~/50/400				
Current	Recommen	ded fuses		A			32,	16				

Combi	nation table and op	otions	Н	H/O
COIIIDII	iation table and op	HOIIS	3 H MT	3 H HT
			ETVH12S18E6V	ETVH16S18E6V7
			ETVH12S18E9W	ETVH16S18E9W
			ETVH12S23E6V	ETVH16S23E6V
Туре	Description	Material name	ETVH12S23E9W	ETVH16S23E9W
уре	Description	materiai name  EPRA08EV3/W1	E I VIII E O	EIVIIIOSESE
		EPRAI0EV3/WI EPRA10EV3/WI		
		EPRA12EV3/W1		
Outdoor unit		EPRA14DV37/W17	-	•
		EPRA16DV37/W17		
		EPRA18DV37/W17		•
	Madoka wired room thermostat	BRC1HHDK/S/W	•	•
	Wireless room thermostats	EKRTRB	•	•
	Wired digital thermostat	EKRTWA	•	•
	Wireless room by room control	Daikin Home Controls (pages 272-275)	•	•
	LAN Adapter	BRP069A62 (with MMI from v6.8.0)	•	•
Controller	WLAN module	(with MMI from v6.8.0)  BRP069A71		•
Controller	WLAN cartridge	BRP069A78	• (1)	<b>o</b> (1)
	Wired digital thermostat	EKWCTRDIIV3	•	•
	Wired analog thermostat	EKWCTRANIV3	•	0
	Valve actuator	EKWCVATR1V3	•	•
	Wired underfloor heating base station	EKWUFHTA1V3	•	•
	Universal centralised controller	EKCC8-W, DCOM-LT/IO, LT/MB	•	6
		EKHWS(P)(U)150D3V3		
		EKHWS(P)(U)180D3V3		
	Stainless steel tank	EKHWS(P)(U)200D3V3		
		EKHWS(P)(U)250D3V3		
		EKHWS(P)(U)300D3V3		
Domestic hot water		EKHWP300B		
		EKHWP500B		
	Polypropylene tank	EKHWP300PB		
		EKHWP500PB		
		EKHY3PART		
	Third party tank kit	EKHY3PART2		
	External sensor for EKRTR room thermostat	EKRTETS	•	•
÷ .	High voltage smart grid relay kit	EKRELSG	•	0
Sensors	Remote indoor temperature sensor	KRCS01-1	<b>o</b> (6)	<b>o</b> (6)
	Remote outdoor temperature sensor	EKRSCA1	<b>o</b> (6)	<b>o</b> (6)
Bizone kits	Generic Bizone kit (PCB only)	EKMIKPOA	•	•
Bizone kits	Generic Bizone kit	ЕКМІКРНА	•	•
	Digital I/O PCB	EKRP1HBA	<b>○</b> (7)	<b>o</b> (7)
	Demand PCB	EKRP1AHT	0	•
	PC USB cable	EKPCCAB4	•	•
	Conversion kit H/O to reversible for floor standing	EKHVCONV4		•
Other options	Conversion kit H/O to reversible for wall mounted	EKHBCONV	•	
Otner options	Booster heater kit	EKBH3SD		
	Anti-freeze valve with diam. 1"	AFVALVE1	•	0
	Anti-freeze valve with diam. 1 1/4"	AFVALVE125	•	•
	Balancing valve	KBLNVALVE		•
	Decoupler	KDECOUP		0
	Inline BUH - connection kit	EKECBUCO1AF		
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V		
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V		
ECH <sub>2</sub> O options	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W		
	Caleffi sludge and magnetite separator SAS1	156021		
	Biv Connector Kit	EKECBIVCO1AF		

W-LAN cartridge is supplied in the accessory bag of the unit => To be plugged in the SD-Slot on MMI-2 (In case bad reception of signal, the W-LAN cartridge can be removed and replaced by WLAN module).
 Dedicated connection kit: EKEPRHLT3HX.
 Dedicated connection kit: ETBH: EKEPRHLT3H / ETBX: EKEPRHLT5X.
 EKHY3PART can be used if you have a tank in which you can insert the thermistor.
 EKHY3PART2 can be used if you have a tank in which you can't insert a thermistor.

	tanding nless steel tank			Floor s	tanding ed ECH <sub>2</sub> O	Wall mounted				
Reve	rsible	Biz	one			Н	//O	Reve	ersible	
3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT	3 H MT	3 H HT	
ETVX12S18E6V	ETVX16S18E6V7	ETVZ12S18E6V	ETVZ16S18E6V7	ETSH(B)12P30E	ETSH(B)16P30E					
ETVX12S18E9W	ETVX16S18E9W7	ETVZ12S18E9W	ETVZ16S18E9W7	ETSH(B)12P50E	ETSH(B)16P50E					
ETVX12S23E6V	ETVX16S23E6V7	ETVZ12S23E6V	ETVZ16S23E6V7	ETSX(B)12P30E	ETSX(B)16P30E	ETBH12E6V	ETBH16E6V7	ETBX12E6V	ETBX16E6V7	
ETVX12S23E9W	ETVX16S23E9W7	ETVZ12S23E9W	ETVZ16S23E9W7	ETSX(B)12P50E	ETSX(B)16P50E	ETBH12E9W	ETBH16E9W7	ETBX12E9W	ETBX16E9W7	
•		•		•		•		•		
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•	•	•	•	•	•	•	•	•		
(1)	(1)	0 (1)	(1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	0 (1)	
<b>○</b> (1)	<b>○</b> (1)	<b>o</b> (1)	<b>○</b> (1)	<b>(1)</b>	<b>o</b> (1)	<b>(1)</b>	<b>○</b> (1)	<b>○</b> (1)	<b>(1)</b>	
•		0		•	•	•		•	•	
•		•		•		•		•	•	
0	0	0	0	•	•	0	0	0	0	
•	•	•	•	•	•	•	•	•	•	
						•	•	•	•	
						•	•	•	•	
						•	•	•	•	
						•	•	•	•	
						•	•	•	•	
						<b>o</b> (2)	<b>o</b> (2)	<b>o</b> (2)	<b>o</b> (2)	
						<b>o</b> (3)	<b>(3)</b>	<b>o</b> (3)	<b>(3)</b>	
						<b>(2)</b>	<b>(2)</b>	<b>o</b> (2)	<b>(2)</b>	
						(3) (4)	(3) (4)	(3) (4)	(3) (4)	
						(+) (5)	(+) (5)	(+) (5)	(+) (5)	
•	•	•	•	•	•	•	•	•	•	
•	•		•	•	•	•	•	•	•	
<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	
<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	
•	•			•	•	•	•	•	•	
•				•	•	•		•		
<b>o</b> (7)	• (7)	<b>o</b> (7)	<b>o</b> (7)	_	_	<b>o</b> (7)	<b>o</b> (7)	<b>o</b> (7)	<b>o</b> (7)	
•	•	0	•	•	0	0	•	•	•	
•	•	0	•	•	•	•	•	•	•	
	1	•				•	•			
		_					•		•	
•	•	0	•	0	•	0	•	<u></u>	•	
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	•		•		•		•		0	
				0	•					
				<b>o</b> (8)	<b>o</b> (8)					
				<b>o</b> (8)	<b>o</b> (8)					
				<b>(8)</b>	<b>o</b> (8)					
				•	•					
				•	•					
1				•	•					

 <sup>(6)</sup> Only one sensor can be connected: indoor or outdoor.
 (7) Additional relays to allow bivalent control in combination with external room thermostat are field supply.
 (8) Only 1 Backup heater can be connected on one unit: 3 or 6\* or 9 kW
 (\*No 6TI-model applicable). EKECBUCO1AF is needed to connect the backup heater to the main unit.

# The ideal boiler replacement

gets extended

# Ideal to replace gas boilers

Houses built in the 90s often need a refurbishment to still look up-to-date.

In a renovation project, this is also important to consider changing your initial heating system.

Daikin Altherma 3 R MT come as a perfect replacement in such houses, where a leaving water temperature of 65 °C is sufficient. Easy to install, you can even leave the recent radiators installed!

# Suitable for medium sized new buildings

With a capacity range going from 8 to 12 class, Daikin Altherma 3 R MT also fit in medium sized new buildings.





## Daikin Altherma 3 R MT offers multiple possibilities to adapt to your customers needs



A leaving water temperature up to 65 °C makes it

> a suitable choice for refurbishments



**V** Best seasonal efficiencies

providing the highest savings on running costs



Perfect fit for new buildings, as well as for low energy houses



## Refrigerant split version

Daikin Altherma 3 range presents a new addition to the family – refrigerant split version for medium temperature heat pump.

Daikin Altherma 3 R MT relies on a compressor and a refrigerant to transfer the energy from the air to the water. The Refrigerant split unit provides cooling next to heating and domestic hot water.

## Better fit with hydrosplit versions?

The Daikin Altherma 3 solutions for replacment do come also in hydrosplit versions, 3 H MT and 3 H HT. More information can be found here:



# The Quintessence of heat pump

meeting modern society's expectations



# Made in Europe, for Europe

European weather can be tough sometimes. That's why we designed the Daikin Altherma 3 R MT.

Heating capacities are also maintained high by low ambient temperature thanks to genuine Daikin technology.

As the market leader, Daikin is always striving to make the most reliable and efficient heat pumps possible. Daikin developed the Bluevolution technology to achieve higher and greener performance. This technology is now part of all our heat pumps. Its single fan reduces the noise level and its black front grille makes the unit fit into any environment.

All these dedicated components were developed in-house to make the quintessence of heat pump unique.

Superior performance, renewable energy use, design and acoustic comfort. This is what the Quintessence of heat pump is all about.

#### **BLUEVOLUTION**

The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is one of the pioneers in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO<sub>2</sub> emissions.

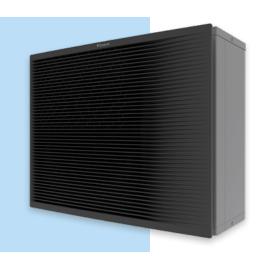
Easy to recover and re-use, R-32 is the perfect solution to attain the new European CO<sub>2</sub> emission targets.

R-32

# Timeless design and space-saving installation

Aside from the acoustic comfort, design is a decisive point nowadays. Specific attention was paid to making the outdoor unit blend in with your home.

The black front grille stretches horizontally making the fan inside invisible. The mat grey casing reflects the colour of the wall behind for more discretion. When first launched, this unit received two design awards in 2019. This award winning design has been continued in the new models.





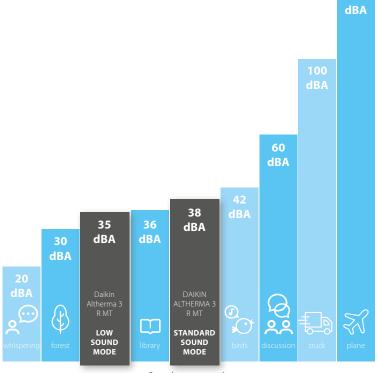


# Silence rhymes with comfort

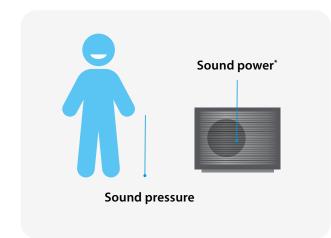
The Quintessence of heat pump has been designed to reduce its acoustic level and meet the expectations of today's society.

In standard sound mode, the unit produces a sound pressure of 38 dBA at 3 metres, so somewhere between birds chirping and the inside of a library.

The unit also offers greater flexibility by having a low sound mode that reduces the sound pressure at 3 metres to 35 dBA, representing a real reduction of half the sound level!



Sound pressure scale



# The acoustic level can be evaluated in two ways

- > The **sound power** is generated by the unit itself, independently of distance and environment
- The sound pressure is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.
- \* Erp sound power: Daikin Altherma 3 R MT: 56 dBA

# Innovation At the heart of our concerns

The Daikin Altherma 3 R MT is at top of low sound and heating performances thanks to dedicated developments. Several major components are designed to make this product reach the excellence such as a double injection compressor and a single fan even for large capacity units as well as a brand-new casing.

#### A contemporary design casing

The black front grille made of horizontal lines is hiding the fan from view, reducing the perception of the sound produced by the unit.

The light grey casing is sligthly reflecting the environment where the unit is installed, helping it to blend in in any decor.

This unique design already got design awards.







The single fan is slighlty larger, replacing the usual double fan for high capacity units (classes 8-10-12).

The shape of the fan has also been reviewed to reduce the contact surface with air therefore lower the sound level by improving the air circulation.

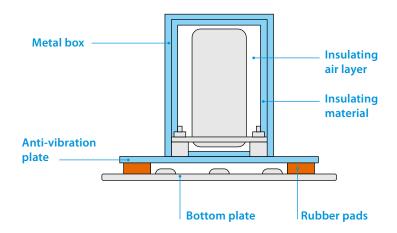


#### Compressor insulation and anti-vibration

To reduce the compressor sound power, several actions were taken in terms of absorption and insulation.

First, the compressor is surrounded by a 3-layer insulation made of air, insulation material and a metal box.

Regarding the absorption, the unit benefits from a double sound reduction by using rubber pads between the bottom plate and the vibration plate under the compressor.





#### New double injection compressor

To make this product unique, Daikin Europe cooperated with Daikin Japan to develop top notch components. Daikin Altherma 3 R MT is available in classes 8-10-12 delivers up to 65 °C leaving water temperature.

#### Impressive performance

In line with our other heat pump models optimized for replacement, the Daikin Altherma 3 R MT reaches the best performances illustrated in the energy labels:



Space heating







# One solution, multiple combinations

The Quintessence range can be combined with three different indoor units to connect to the outdoor unit, offering specific features to ensure heating, cooling and domestic hot water in your home.

#### Outdoor unit

The outdoor unit is available in 3 classes for 3 R MT: 8-10-12 kW



# Integrated DHW stainless steel tank model

This model is a compact unit with a small footprint of 595x625 mm. The unit is equipped with a tank of 180 or 230 L to answer your domestic hot water demand.

Optionally, you can choose the cooling

Optionally, you can choose the cooling or the bizone functions.



# Integrated ECH<sub>2</sub>O DHW tank model

The ECH $_2$ O unit is equipped with a thermal DHW tank of 300 or 500 L that can be connected to thermal solar panels.

Optionally, you can choose the cooling function.



# Wall mounted model

This model is the most compact unit but needs to be with a separate tank to deliver domestic hot water. Optionally, you can choose the cooling function.



# Get the best comfort

## with the best functionalities

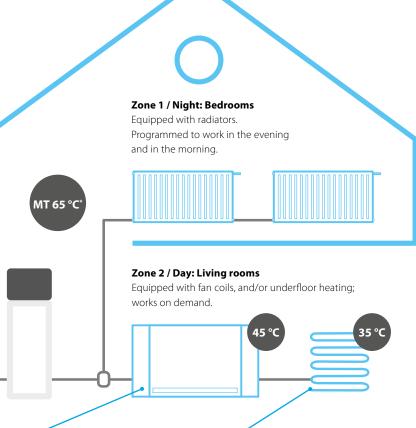
Choose from the Daikin "Three Pluses" the functionality that best fits your customer's needs. The indoor units come in 3 possible versions: heating only, reversible and bizone, giving you the opportunity to tailor your Daikin heating system.

## Heating only model

The heating only model is standard in the Daikin product range and is available for all three indoor units. This means that your heating system provides space heating and domestic hot water.

## Reversible model

If cooling is needed, all three indoors have dedicated reversible models. Reversible means that the system can invert its way of working and provide cooling instead of heating. The cooling function requires a underfloor piping system or heat pump convectors.



**Daikin Altherma HPC** (heat pump convectors) are hydronic emitters that can provide cooling or heating. They can be combined and are a perfect fit with underfloor systems.

Your **underfloor piping system** is designed to receive mid-temperature water to heat your home, but when the summer comes, the pipes can also receive colder water to refresh your environment.

## Bizone model

Only the DHW stainless steel tank model has a dedicated bizone model: you can choose two independent zones with different emitters that need a different temperature level in different rooms (example: underfloor system in the living room and radiators in the bedroom upstairs).

The 2 zones can also be managed independently: deactivate heating on the first floor during the day in order to reduce over consumption.

<sup>\*</sup> Daikin Altherma 3 R MT produces a LWT up to 65 °C (08-10-12 classes).







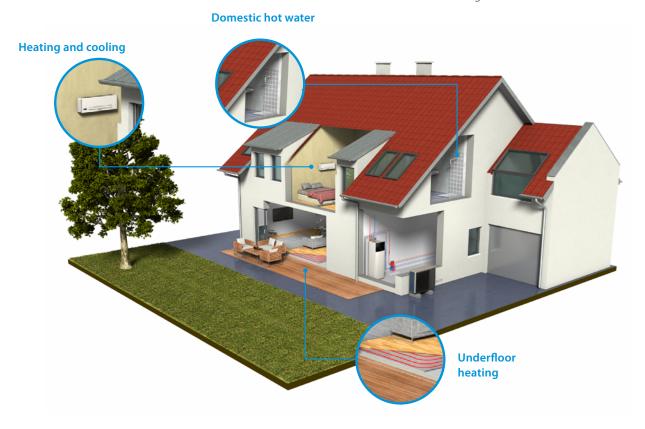


# Why choose Daikin floor standing unit with integrated domestic hot water tank?

The Daikin Altherma 3 floor standing unit is the ideal system to deliver heating, domestic hot water and cooling for renovation or large new built.

# All in one system to save installation space and time

- A combined stainless steel domestic hot water tank of 180 or 230 L and heat pump ensures a faster installation compared to traditional systems.
- > Inclusion of all hydraulic components means no third party components are required.
- PCB board and hydraulic components are located in the front for easy access
- $\rightarrow$  Small installation footprint of 595 x 625 mm
- Integrated back-up heater choice of 6, 9 kW models are available
- Dedicated bi-zone models allowing temperature monitoring for 2 zones.



# All-in one design

# Reduces the installation footprint and height

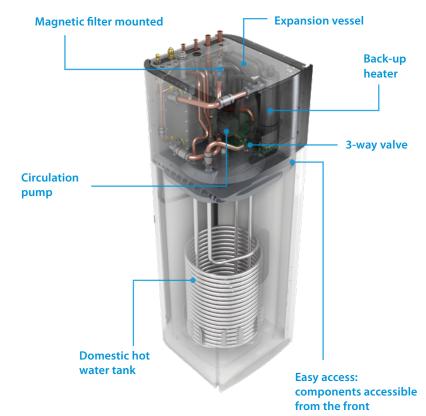
Compared to the traditional split version for a wall mounted indoor unit and a separate domestic hot water tank, the integrated indoor unit greatly reduces the installation space required.

With a small footprint of 595 x 625 mm, the integrated indoor unit has a similar footprint when compared to other household appliances.

For installation projects, almost no side clearance is necessary as the piping is located at the top of the unit.

With an installation height of 1.65 m for an 180 L tank and 1.85 m for a 230 L tank, the required installation height is less than 2m.

The compactness of the integrated indoor unit is emphasised by its sleek design and modern look, easy blending in with other household appliances.



#### Advanced user interface



#### The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.

Blue is perfect! Should the eye turn red, an error has occured.

#### Quick to configure

Log in and you'll be able to completely configure the unit via the new interface in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

Work super-fast with the new interface. It's super easy to use with just a few buttons and 2 navigational knobs.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### Integrated indoor unit







# Floor standing air to water heat pump for **heating** and hot water, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > Energy efficient heating only system based on air to water heat pump technology
- Quick configuration in 9 steps in a high resolution colour interface wizard
- > Inclusion of all hydraulic components means no third party components are required
- > The unit's sleek design blends in with other household appliances















More details and final information can be found by scanning or clicking the QR codes.



ELVH-E9W

ERRA08-12EW1

Efficiency data			ELVH+	ERRA	12S18E6V/9W + 08EW1	12S23E6V/9W + 08EW1	12S18E6V/9W + 10EW1	12S23E6V/9W + 10EW1	12S18E6V/9W + 12EW1	12S23E6V/9W - 12EW1	
Space heating	Average	General	SCOP		3.	42	3.	43	3.	53	
<b>*</b>	climate water outlet		ns (Seasonal space heating efficiency)	%		13	34		13	38	
	55 °C		Seasonal space heating	eff. class			A-	++			
	Average climate water outlet	General	SCOP		4.	81		4.	84		
			ns (Seasonal space heating efficiency)	%	19	90		191			
	35 °C		Seasonal space heating	eff. class		A+++					
Domestic hot	General	Declared	load profile			L					
water heating	Average	COP		dhw	2.8	3.05	2.8	3.05	2.8	3.05	
<b>Å</b>	climate	nywh (water heating % efficiency)		120	130	120	130	120	130		
		Water hea	ting energy efficienc	y class			Α	+			

Indoor Unit				ELVH	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W		
Casing	Colour				White + Black							
	Material					Precoated sheet metal						
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634		
Weight	Unit			kg	120	129	120	129	120	129		
Tank	Water volume			- 1	180	230	180	230	180	230		
	Maximum water temperature			°C	70							
	Maximum water pressure			bar	10							
	Corrosion	protection			Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 2 <del>5</del>							
		Water side	Min.~Max.	°C			15 ~	~ 65				
	Domestic	Ambient	Min.~Max.	°C			-25	~ 35				
	hot water	Water side	Min.~Max.	°C			25 -	~ 62				
Sound power leve	Sound power level Nom. dBA					44						
Sound pressure leve	Sound pressure level Nom. dBA			dBA	30							

Sound pressure leve	el Nom.		dBA		30	
Outdoor Unit			ERRA	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533	
Weight	Unit		kg		107	
Compressor	Quantity				1	
	Туре			He	ermetically sealed swing compress	sor
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-25 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO2Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power lev (according to EN14825)	el				56	
Sound pressure level (at 1 meter)	Nom.				41.1	
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		W1/3~/50 /400	
Current	Recommended fuses		Α		16	





Floor standing air to water heat pump for **heating** and hot water, ideal for low energy houses

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More details and final information can be found by scanning or clicking the QR codes.



ELVH-E9W

ERRA08-12EW1

Efficiency data			ELVH+	ERRA	12S18E6V/9W + 08EV3	12S23E6V/9W + 08EV3	12S18E6V/9W + 10EV3	12S23E6V/9W + 10EV3	12S18E6V/9W + 12EV3	12S23E6V/9W + 12EV3
Space heating	Average	General	SCOP			3.	34		3.4	14
<b>♣</b>	climate water outlet		ns (Seasonal space heating efficiency)	%	13	30	1:	31	13	35
	55 °C		Seasonal space heating	eff. class			A-	++		
	Average climate water outlet	ė	SCOP		4.	4.69 4.71				
			ns (Seasonal space heating efficiency)	%	18	34	186			
	35 ℃		Seasonal space heating	eff. class			A+	++		
Domestic hot	General	Declared	load profile					L		
r heating	Average	COP		dhw	2.72	2.96	2.72	2.96	2.72	2.96
		ŋwh (wate		%	117	126	117	126	117	126
		Water heating energy efficiency class					Α	+		

Indoor Unit				ELVH	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	
Casing	Colour				White + Black						
	Material					Precoated sheet metal					
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	
Weight	Unit	t kg			120	129	120	129	120	129	
Tank	Water volume			- 1	180 230 180 230 180 2					230	
	Maximum	Maximum water temperature			70						
	Maximum	Maximum water pressure			10						
	Corrosion	Corrosion protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~ 25			
		Water side	Min.~Max.	°C			15 ~	~ 65			
	Domestic	Ambient	Min.~Max.	°C			-25	~ 35			
	hot water	Water side	Min.~Max.	°C			25 -	~ 62			
Sound power level Nom. dB				dBA	44						
Sound pressure level Nom. dBA			dBA	30							

Sound pressure leve	el Nom.		dBA		30	
Outdoor Unit			ERRA	08EV3	10EV3	12EV3
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533	
Weight	Unit		kg		107	
Compressor	Quantity				1	
	Туре			He	ermetically sealed swing compress	or
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-25 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO2Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power leve (according to EN14825)	el				54	
Sound pressure level (at 1 meter)	Nom.				40.6	
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		V3/1~/50 /230	
Current	Recommended fuses	5	Α		32	





Floor standing air to water heat pump for **heating**, **cooling** and **hot water**, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
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ELVX-E9W

ERRA08-12EW1

Efficiency data			ELVX+	ERRA	12S18E6V/9W + 08EW1	12S23E6V/9W + 08EW1	12S18E6V/9W + 10EW1	12S23E6V/9W + 10EW1	12S18E6V/9W + 12EW1	12S23E6V/9W + 12EW1
Space heating	Average	General	SCOP		3.4	47	3.4	48	3.	58
<b>*</b>	climate water outlet		ns (Seasonal space heating efficiency)	%		1:	36		14	10
	55 °C		Seasonal space heating e	eff. class			A-	++		
	Average climate water outlet	General t	SCOP		4.95 4.98					
			ns (Seasonal space heating efficiency)	%	19	95	196			
	35 °C		Seasonal space heating e	eff. class			A+	++		
Domestic hot	General	Declared	load profile		L					
r heating	Average	COP		dhw	2.8	3.05	2.8	3.05	2.8	3.05
	climate	nywh (water heating % efficiency)		%	120	130	120	130	120	130
		Water heating energy efficiency class					А	+		

Indoor Unit				ELVX	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	
Casing	Colour				White + Black						
	Material				Precoated sheet metal						
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	
Weight	Unit			kg	120	129	120	129	120	129	
Tank	Water volume			I	180	230	180	230	180	230	
	Maximum water temperature			°C	70						
	Maximum	Maximum water pressure			10						
	Corrosion	protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~ 25						
		Water side	Min.~Max.	°C			15 -	~ 65			
	Domestic	Ambient	Min.~Max.	°C			-25	~ 35			
	Min.~Max.	°C			25 -	~ 62					
Sound power level Nom. dBA				dBA	44						
Sound pressure lev	Sound pressure level Nom. dBA			dBA	30						

Souria pressure leve	ei Noili.		UDA		30	
Outdoor Unit			ERRA	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDept	h mm		1,003x1,270x533	
Weight	Unit		kg		107	
Compressor	Quantity				1	
	Туре			Н	ermetically sealed swing compress	or
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25	
	Cooling	Min.~Max.	°CDB		10 ~ 43	
	Domestic hot water	Min.~Max.	°CDB		-25 ~ 35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO2Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power lev (according to EN14825)	el				56	
Sound pressure level (at 1 meter)	Nom.				41.1	
Power supply	Name/Phase/Frequen	cy/Voltage	Hz/V		W1/3~/50 /400	
Current	Recommended fuses		Α		16	





Floor standing air to water heat pump for **heating**, **cooling** and **hot water**, ideal for low energy houses

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > For hot water, heating and cooling
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Inclusion of all hydraulic components means no third party components are required
- > The unit's sleek design blends in with other household appliances













More details and final information can be found by scanning or clicking the QR codes.

ELVX-E6V

ELVX-E9W

ERRA08-12EW1

Efficiency data			ELVX + E	RRA	12S18E6V/9W + 08EV3	12S23E6V/9W + 08EV3	12S18E6V/9W + 10EV3	12S23E6V/9W + 10EV3	12S18E6V/9W + 12EV3	12S23E6V/9W + 12EV3	
Space heating	Average	General	SCOP		3.	37	3.	38	3.4	47	
<b>♣</b>	climate water outlet	İ	ns (Seasonal space heating efficiency)	%		1:	32		13	36	
	55 °C		Seasonal space heating et	ff. class			A-	++			
	Average	General	SCOP		4.	79		4.	82		
	climate water outlet	İ	ns (Seasonal space heating efficiency)	%	18	188 190					
	35 °C		Seasonal space heating e	ff. class			A+	++			
Domestic hot	General	Declared	load profile					L			
r heating	Average	COP		dhw	2.72	2.96	2.72	2.96	2.72	2.96	
•	climate	ŋwh (wate	er heating )	%	117	126	117	126	117	126	
		Water hea	iting energy efficiency	class			Α	+			
_						1	1	1			

		vvacer ricut	ing chergy chicient	y class		Al						
Indoor Unit				ELVX	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W		
Casing	Colour				White + Black							
	Material				Precoated sheet metal							
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634		
Weight	Unit			kg	120	129	120	129	120	129		
Tank	Water volume			- 1	180	230	180	230	180	230		
_	Maximum water temperature			°C	70							
	Maximum	aximum water pressure			10							
	Corrosion	protection			Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25							
		Water side	Min.~Max.	°C	15~65							
	Domestic	Ambient	Min.~Max.	°C			-25	~35				
	hot water Water side Min.~Max. °C 25~62											
Sound power level	level Nom. dB/			dBA	44							
Sound pressure level Nom. dBA			dBA	30								

Journa pressure leve	er ivorri.		ubA	UDA 30					
Outdoor Unit			ERRA	08EV3	10EV3	12EV3			
Dimensions	Unit	HeightxWidthxDepth	mm		1,003x1,270x533				
Weight	Unit		kg		107				
Compressor	Quantity				1				
	Туре			H	Hermetically sealed swing compresso	or			
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25				
	Cooling	Min.~Max.	°CDB		10 ~ 43				
	Domestic hot water	Min.~Max.	°CDB		-25 ~ 35				
Refrigerant	Туре				R-32				
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power leve (according to EN14825)					54				
Sound pressure level (at 1 meter)	Nom.				40.6				
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		V3/1~/50 /230				
Current	Recommended fuses		Α		32				





# Floor standing unit integrated with different temperature zones management

- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- > Bi-zone allows temperature monitoring for 2 zones. Connect underfloor heating to radiators to optimise efficiency
- Quick configuration in 9 steps in a high resolution colour interface wizard
- > Inclusion of all hydraulic components means no third party components are required
- > The unit's sleek design blends in with other household appliances













011-1W0651 011-1W0652 011-1W0653 011-1W0654 011-1W0655 011-1W0656

More details and final information can be found by scanning or clicking the QR codes.

ELVZ-E6V ELVX-E9W ERRA08-12EW1

Efficiency data			ELVZ +	ERRA	12S18E6V/9W + 08EW1	12S23E6V/9W + 08EW1	12S18E6V/9W + 10EW1	12S23E6V/9W + 10EW1	12S18E6V/9W + 12EW1	12S23E6V/9W + 12EW1	
Space heating	Average	General	SCOP		3.4	12	3.4	43	3.58		
·	climate water outle		ns (Seasonal space heating efficiency)	%	13	4	13	34	13	38	
	55 °C		Seasonal space heating	eff. class		A++					
	Average		General SCOP			31					
	climate water outlet	ns (Seasonal s et heating efficie		%	19	190 191					
	35 ℃		Seasonal space heating	eff. class			A+	++			
Domestic hot	General	Declared	load profile				l	_			
r heating:	Average	COP		dhw	2.8	3.05	2.8	3.05	2.8	3.05	
	climate	ŋwh (wate		%	120	130	120	130	120	130	
		Water heating energy efficiency class				Α	+				

Indoor Unit				ELVZ	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	
Casing	Colour				White + Black						
	Material						Precoated :	sheet metal			
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	
Weight	Unit			kg	133	141	133	141	133	141	
Tank	Water volume			I	180	230	180	230	180	230	
	Maximum water temperature			°C			7	0			
	Maximum	water press	sure	bar			1	0			
	Corrosion	protection			Pickling						
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~ 25			
		Water side	Min.~Max.	°C			15 ~	~ 65			
	Domestic	Ambient	Min.~Max.	°C			-25	~ 35			
				°C			25 -	~ 62			
Sound power level	ound power level Nom. dB				44						
Sound pressure leve	und pressure level Nom. dB/						3	0			

Sound pressure leve	nom.		GBA	30									
Outdoor Unit			ERRA	08EW1	08EW1 08EW1 10EW1 10EW1 12EW1 12EW1								
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533								
Weight	Unit		kg			10	07						
Compressor	Quantity						1						
Compressor	Туре				Hermetically sealed swing compressor								
	Heating	Min.~Max.	°CDB		-25 ~ 25								
Operation range	Cooling	Min.~Max.	°CDB	°CDB 10 ~ 43									
	Domestic hot water	Min.~Max.	°CDB	°CDB -25 ~ 35									
Refrigerant	Туре					R-	32						
	GWP				675								
	Charge		kg			3.	25						
	Charge		TCO2Eq			2.	19						
	Control					Expansi	on valve						
LW(A) Sound power leve (according to EN14825)	el					5	6						
Sound pressure level (at 1 meter)	Nom.			41.1									
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V			W1/3~/	50 /400						
Current	Recommended fuses	· -	Α	A 16									





Floor standing unit integrated with different temperature zones management

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011-1W0651 011-1W0652 011-1W0653 011-1W0654 011-1W0655 011-1W0656

More details and final information can be found by scanning or clicking the QR codes.

ELVZ-E6V ELVX-E9W ERRA08-12EW1

Efficiency data			ELVZ +	ERRA	12S18E6V/9W + 08EV3	12S23E6V/9W + 08EV3	12S18E6V/9W + 10EV3	12S23E6V/9W + 10EV3	12S18E6V/9W + 12EV3	12S23E6V/9W + 12EV3		
Space heating	Average	General	SCOP			3.	34		3.4	14		
	climate water outlet		ns (Seasonal space heating efficiency)	%	13	30	1:	31	13	35		
	55 °C		Seasonal space heating	eff. class		A++						
	Average	General	SCOP		4.	69		4.	.71			
	climate water outlet	let	ns (Seasonal spa heating efficiend		%	18	184 186					
	35 °C		Seasonal space heating	eff. class		A+++						
Domestic hot	General	Declared I	load profile					<u></u>				
r heating	Average	COP		dhw	2.72	2.96	2.72	2.96	2.72	2.96		
climate		nwh (water heating % efficiency)		%	117	126	117	126	117	126		
		Water hea	ting energy efficienc	y class	ss A+							

Indoor Unit				ELVZ	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W	12S18E6V/9W	12S23E6V/9W		
Casing	Colour						White	+ Black				
	Material						Precoated	sheet metal				
Dimensions	Unit		HeightxWidthxDepth	mm	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634	1,655x595x634	1,855x595x634		
Weight	Unit			kg	133	141	133	141	133	141		
Tank	Water volu	Water volume			180	230	180	230	180	230		
	Maximum	Maximum water temperature			70							
	Maximum water pressure		bar	10								
	Corrosion	protection			Pickling							
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~ 25				
		Water side	Min.~Max.	°C			15 -	~ 65				
	Domestic	Ambient	Min.~Max.	°C			-25	~ 35				
	hot water Water side Min.~Max.			°C			25 -	~ 62				
Sound power level	Sound power level Nom. dB				44							
Sound pressure leve	ound pressure level Nom. dB					dBA 30						

Sound pressure leve	el Nom.		dBA	30 30								
Outdoor Unit			ERRA	08EV3 08EV3 10EV3 10EV3 12EV3 12EV3								
Dimensions	Unit	HeightxWidthxDepth	mm			1,003x1,	270x533					
Weight	Unit		kg			10	)7					
Compressor	Quantity					•	1					
	Туре				Н	ermetically sealed	swing compress	or				
Operation range	Heating	Min.~Max.	°CDB	-25 ~ 25								
	Cooling	Min.~Max.	°CDB			10 ~	~ 43					
	Domestic hot water	Min.~Max.	°CDB	-25 ~ 35								
Refrigerant	Туре				R-	32						
	GWP			675								
	Charge		kg			3.	25					
	Charge		TCO2Eq			2.	19					
	Control					Expansi	on valve					
LW(A) Sound power leve (according to EN14825)	el					5	4					
Sound pressure level (at 1 meter)	Nom.			40.6								
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V			V3/1~/:	50 /230					
Current	Recommended fuses		Α			3	2					



The Daikin Altherma high temperature split integrated ECH<sub>2</sub>O is renowned for its ability to maximise renewable energy sources to provide the ultimate comfort in heating, domestic hot water and cooling

#### Intelligent storage management

- > The unit is 'Smart Grid' ready to take advantage of low energy tariffs and efficiently store thermal energy for space heating and domestic hot water
- Continuous heating during defrost mode and use of stored heat for space heating (500 L tank only)
- > Electronic management of both heat pump and ECH<sub>2</sub>O thermal store maximises energy efficiency, as well as convenient heating and domestic hot water
- > Achieves the highest standards for water sanitation
- > Uses more renewable energy with solar connection

#### Innovative and high-quality tank

- > Lightweight plastic tank
- > No corrosion, anode, scale or lime deposits
- Contains impact resistant polypropylene inner and outer walls filled with high-grade insulation foam to reduce heat losses to a minimum

#### Combinable with other heat sources

 The bivalent option allows heat from other sources such as oil, gas or pellet-fired boilers to be stored in the solar system, further lowering energy consumption



#### Advanced user interface

#### The Daikin-Eye

The intuitive Daikin eye shows you in real time the status of your system. Blue is perfect! Should the eye turn red, an error has occurred.

#### Quick to configure

Log in and you'll be able to completely configure the unit in less than 10 steps. You can even check if the unit is ready for use by running test cycles!

#### Easy operation

The user interface works really fast thanks to its iconbased menus.

#### Beautiful design

The interface was especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

#### ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your indoor unit with a thermal store to achieve the ultimate comfort at home.

- > Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- > Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- > Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- > Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

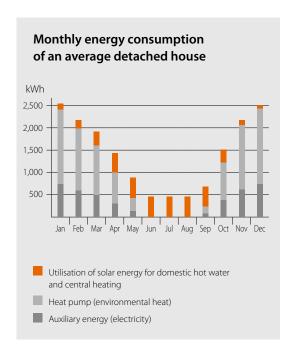
# Pressureless (drain-back) solar system (ELSH\*, ELSX\*)

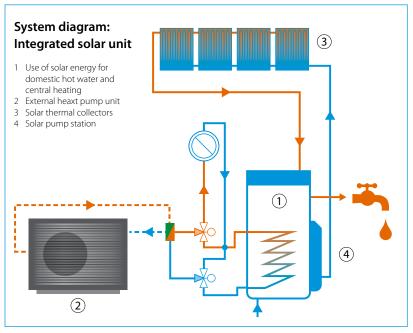
- > The solar collectors are only filled with water when sufficient heating is provided by the sun
- The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- > After filling, water circulation is maintained

by the remaining pump

# Pressurised solar system (ELSHB\*, ELSXB\*)

- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- > System is pressurised and sealed









# Floor standing air-to-water heat pump for **heating** and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection















More details and final information can be found by scanning or clicking the QR codes.

ELSH-E ERRA08-12EW1

Efficiency data			ELSH+	ERRA	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 12EW1	12P50E + 12EW1	
Space heating	Average	General	SCOP		3.	42	3.	.43	3.	53	
<b>♣</b>	climate water outlet		ns (Seasonal space heating efficiency)	%		13	34		13	38	
	55 °C		Seasonal space heating	eff. class		A++					
	Average	General	SCOP		4.	81	4.84				
	climate water outlet		ns (Seasonal space heating efficiency)	%	19	90		19	91		
	35 ℃		Seasonal space heating eff. class				A	-++			
Domestic hot	General	Declared	load profile		L	XL	L	XL	L	XL	
r heating	Average	COP		dhw	2.83	3.29	2.83	3.29	2.83	3.29	
•	climate	ŋwh (wate				136	119	136	119	136	
		Water hea	ting energy efficienc	y class			ŀ	\+			

		waternea	ung energy emcien	cy ciass	Class AT							
Indoor Unit				ELSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E		
Casing	Colour					Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material					Impact resistant polypropylene						
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	/eight Unit				76	91	76	91	76	91		
Tank	Water volu	ıme		- 1	294	477	294	477	294	477		
	Maximum	water temp	oerature	°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~25				
		Water side	Min.~Max.	°C			15 ~	- 65				
	Domestic	Ambient	Min.~Max.	°C			-25	~ 35				
hot water Water side Min.~Max. °C					25 ~ 62							
Sound power leve	ound power level Nom. dB					44.7						
Sound pressure lev	und pressure level Nom. dB					36.8						

Sound pressure leve	el Nom.		dBA	36.8					
Outdoor Unit			ERRA	08EW1	10EW1	12EW1			
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533				
Weight	Unit		kg		107				
Compressor	Quantity				1				
	Туре			He	ermetically sealed swing compress	or			
Operation range	Heating	Min.~Max.	°CDB		-25 ~25				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
Refrigerant	Type				R-32				
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power leve (according to EN14825)	el				56				
Sound pressure level (at 1 meter)	Nom.				41.1				
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		W1/3~/50 /400				
Current	Recommended fuses	· · · · · · · · · · · · · · · · · · ·	Α		16				





# Floor standing air-to-water heat pump for **heating** and hot water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection















More details and final information can be found by scanning or clicking the QR codes.

ELSH-E ERRA08-12EV3

Efficiency data			ELSH +	ERRA	12P30E + 08EV3 12F	250E + 08I	V3 12P30E + 10EV3 1	2P50E + 10EV3	12P30E + 12EV3	12P50E + 12EV3
Space heating	Average	General	SCOP				3.44			
<b>♣</b>	climate water outlet		ns (Seasonal space heating efficiency)	%	130		131		13	35
	55 °C		Seasonal space heating	eff. class			A++	A++		
	Average	General t	neral SCOP  ns (Seasonal space % heating efficiency)		4.69			4	.71	
	climate water outlet						184		18	36
	35 °C		Seasonal space heating	eff. class			A++	+		
Domestic hot	General	Declared	load profile		L	XL	L	XL	L	XL
r heating	Average	COP		dhw	2.75	3.19	2.75	3.19	2.75	3.19
•	climate	ŋwh (wate efficiency	rh (water heating %		116	132	116	132	116	132
		Water hea	ting energy efficienc	y class			A+			

		···ate: ···ea	ang energy emeren	c, c.a.s	, 11435							
Indoor Unit				ELSH	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E		
Casing	Colour					Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material						Impact resistan	t polypropylene				
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit			kg	76	91	76	91	76	91		
Tank	Water volu	ume		I	294	477	294	477	294	477		
	Maximum	water tem	perature	°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~25				
		Water side	Min.~Max.	°C			15 ·	~65				
	Domestic	Ambient	Min.~Max.	°C			-25	~35				
hot water Water side Min.~Max.					25~62							
Sound power leve	ound power level Nom. d					44.7						
Sound pressure lev	el Nom			dBA	A 36.8							

Sound pressure leve	el Nom.		dBA	dBA 36.8					
Outdoor Unit			ERRA	08EV3	10EV3	12EV3			
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533				
Weight	Unit		kg		107				
Compressor	Quantity				1				
	Туре			He	ermetically sealed swing compres	sor			
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
Refrigerant	Type				R-32				
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power leve (according to EN14825)	el				54				
Sound pressure level (at 1 meter)	Nom.				40.6				
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		V3/1~/50 /230				
Current	Recommended fuses	5	Α		32				





Floor standing air-to-water heat pump for **bivalent heating, cooling and hot** water with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- Fresh water principle: hygienic water, with no need for thermal legionella disinfection
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation















More details and final information can be found by scanning or clicking the QR codes.

ELSHB-E

ERRA08-12EW1

Efficiency data			ELSHB+	ERRA	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 12EW1	12P50E + 12EW1	
Space heating	Average	General	SCOP		3.	42	3.	43	3.	53	
<b>♣</b>	climate water outlet		ns (Seasonal space heating efficiency)	%		13	34		13	38	
	55 °C		Seasonal space heating	eff. class	A++						
	Average	General	SCOP		4.						
water	climate water outlet		ns (Seasonal space heating efficiency)	%	19	90		19	91		
	35 °C	Seasonal space heating eff. cl				A+++					
Domestic hot	General	Declared	load profile		L	XL	L	XL	L	XL	
r heating	Average	COP		dhw	2.83	3.29	2.83	3.29	2.83	3.29	
•	climate	nwh (water heating % efficiency)		119	136	119	136	119	136		
		Water hea	ting energy efficiency	y class			Α	+			
			3, 3, 3,	,							

		waternea	ung energy emiciei	icy ciass	LI033   AT								
Indoor Unit				ELSHB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E			
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)								
	Material				Impact resistant polypropylene								
Dimensions	Unit HeightxWidthxDepth m				1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817			
Weight	t Unit				76	91	76	91	76	91			
Tank	Water volu	t ter volume			294	477	294	477	294	477			
	Maximum	water tem	oerature	°C	85								
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25								
		Water side	Min.~Max.	°C	15 ~ 65								
	Domestic	Ambient	Min.~Max.	°C	-25 ~ 35								
hot water Water side Min.~Max. °C				25 ~ 62									
Sound power leve	ound power level Nom. dE					A 44.7							
ound pressure level Nom dBA					36.8								

30unu pressure ieve	ii NOIII.		UDA		30.0	
Outdoor Unit			ERRA	08EW1	10EW1	12EW1
Dimensions	Unit	HeightxWidthxDeptl	n mm		1,003x1,270x533	
Weight	Unit		kg		107	
Compressor	Quantity				1	
	Туре			He	ermetically sealed swing compresso	or
Operation range	Heating	Min.~Max.	°CDB		-25 ~25	
	Domestic hot water	Min.~Max.	°CDB		-25 ~35	
Refrigerant	Туре				R-32	
	GWP				675	
	Charge		kg		3.25	
	Charge		TCO2Eq		2.19	
	Control				Expansion valve	
LW(A) Sound power leve (according to EN14825)					56	
Sound pressure level (at 1 meter)	Nom.				41.1	
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		W1/3~/50 /400	
Current	Recommended fuses		Α		16	





Floor standing air-to-water heat pump for **bivalent heating, cooling and hot** water with thermal solar support

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ELSHB-E

ERRA08-12EV3

Efficiency data			ELSHB +	<b>ERRA</b>	12P30E + 08EV3 12	P50E + 08E	V3 12P30E + 10EV3	12P50E + 10EV3	12P30E + 12EV3	12P50E + 12EV3
Space heating	Average	General	SCOP				3.4	14		
<b>♣</b>	climate water outlet		ns (Seasonal space heating efficiency)	%	130		13	31	13	35
	55 °C		Seasonal space heating	eff. class			A-	++		
	Average	General	SCOP		4.69			4	1.71	
	climate water outlet		ns (Seasonal space heating efficiency)	%			184		18	36
	35 °C		Seasonal space heating eff. class				A+	++		
Domestic hot	General	Declared I	load profile		L	XL	L	XL	L	XL
r heating	Average	COP		dhw	2.75	3.19	2.75	3.19	2.75	3.19
•	climate	nwh (wate		%	116	132	116	132	116	132
		Water hea	ting energy efficienc	y class			A	+		

Indoor Unit				<b>ELSHB</b>	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material	aterial			Impact resistant polypropylene							
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit			kg	76	91	76	91	76	91		
Tank	Water volu	ume		I	294	477	294	477	294	477		
	Maximum water temperature			°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~25				
		Water side	Min.~Max.	°C	15 ~65							
	Domestic	Ambient	Min.~Max.	°C	-25 ~35							
hot water Water side Min.~Max.			°C	25~62								
Sound power leve	ound power level Nom. dl				44.7							
Sound pressure leve	ound pressure level Nom. dB.					36.8						

Sound pressure leve	el Nom.		dBA	36.8					
Outdoor Unit			ERRA	08EV3	10EV3	12EV3			
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533				
Weight	Unit		kg		107				
Compressor	Quantity			1					
	Туре			Н	lermetically sealed swing compress	or			
Operation range	Heating	Min.~Max.	°CDB		-25 ~ 25				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
Refrigerant	Type				R-32				
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power leve (according to EN14825)	el				54				
Sound pressure level (at 1 meter)	Nom.				40.6				
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		V3/1~/50 /230				
Current	Recommended fuses	5	Α	32					





Floor standing air-to-water heat pump for **heating**, **cooling** and **hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- Quick configuration in 9 steps in a high resolution colour interface wizard
- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection













ERRA08-12EW1



More details and final information can be found by scanning or clicking the QR codes.

ELSX-E

Efficiency data			ELSX+	ERRA	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 10EW1	12P50E + 10EW1
Space heating	Average	General	SCOP		3.4	17	3.4	18	3.4	18
<b>*</b>	climate water outlet		ns (Seasonal space heating efficiency)	%			13	6		
	55 °C		Seasonal space heating	eff. class			A+	-+		
	Average climate		SCOP		4.9	95	4.98			
	climate water outlet		ns (Seasonal space heating efficiency)	%	% 195 196				96	
	35 ℃		Seasonal space heating	eff. class			A+	++		
Domestic hot	General	Declared I	load profile		L	XL	L	XL	L	XL
r heating	Average	COP	COP		2.83	3.29	2.83	3.29	2.83	3.29
	climate	ŋwh (wate efficiency)		%	119	136	119	136	119	136
		Water heating energy efficiency class		A+						

		water nea	ung energy emcien	cy class	703) NT							
Indoor Unit				ELSX	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E		
Casing	Colour					Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material				Impact resistant polypropylene							
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	ght Unit				76	91	76	91	76	91		
Tank	Water volu	ter volume			294	477	294	477	294	477		
	Maximum	water temp	oerature	°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25							
		Water side	Min.~Max.	°C	15 ~65							
	Domestic	Ambient	Min.~Max.	°C	-25 ~35							
hot water Water side Min.~Max. °C				°C	25 ~62							
ound power level Nom. dBA				dBA	44.7							
Sound pressure lev	ound pressure level Nom. dB/					36.8						

Sound pressure leve	el Nom.		dBA	36.8						
Outdoor Unit			ERRA	08EW1	10EW1	12EW1				
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533					
Weight	Unit		kg		107					
Compressor	Quantity				1					
	Type			He	ermetically sealed swing compress	or				
Operation range	Heating	Min.~Max.	°CDB		-25 ~25					
	Domestic hot water	Min.~Max.	°CDB		-25 ~35					
Refrigerant	Type				R-32					
	GWP				675					
	Charge		kg		3.25					
	Charge		TCO2Eq		2.19					
	Control				Expansion valve					
LW(A) Sound power leve (according to EN14825)	el				56					
Sound pressure level (at 1 meter)	Nom.				41.1					
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		W1/3~/50 /400					
Current	Recommended fuses	5	Α		16					





Floor standing air-to-water heat pump for **heating**, **cooling** and **hot water** with thermal solar support

- Integrated solar unit, offering top comfort in heating and hot water
- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
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- Maximum use of renewable energy: uses heat pump technology for heating and solar support for space heating and domestic hot water production
- > Fresh water principle: hygienic water, with no need for thermal legionella disinfection















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ELSX-E ERRA08-12EV3

Efficiency data			ELS	X+ ERRA	12P30E + 08EV3	12P50E + 08EV3	12P30E + 10EV3	12P50E + 10EV3	12P30E + 12EV3	12P50E + 12EV3	
Space heating	Average	General	SCOP		3.	37	3.	38	3.	.47	
<b>♣</b>	climate water outlet		ns (Seasonal space			13	32		13	36	
	55 °C		Seasonal space hear	ting eff. class							
	Average	General	SCOP		4.	79	4.82				
	climate water outlet			ns (Seasonal space % heating efficiency)		38		19	90		
	35 °C		Seasonal space heating eff. class				A+	++			
Domestic hot	General	Declared	load profile		L	XL	L	XL	L	XL	
r heating	Average	COP		dhw	2.75	3.19	2.75	3.19	2.75	3.19	
•	climate	ŋwh (wate		%	116	132	116	132	116	132	
		Water heating energy efficiency class		ency class	A+						

Indoor Unit				ELSX	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material					Impact resistant polypropylene						
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817		
Weight	Unit			kg	76	91	76	91	76	91		
Tank	Water volu	ater volume		Ī	294	477	294	477	294	477		
	Maximum water temperature			°C	85							
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~25				
		Water side	Min.~Max.	°C			15 ~	-65				
	Domestic	Ambient	Min.~Max.	°C			-25	~35				
hot water Water side Min.~Max.			°C	25 ~62								
Sound power leve	ound power level Nom. dB			dBA	A 44.7							
Sound pressure leve	ound pressure level Nom.			dBA	36.8							

Sound pressure leve	el Nom.		dBA	36.8					
Outdoor Unit			ERRA	08EV3	10EV3	12EV3			
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533				
Weight	Unit		kg		107				
Compressor	Quantity				1				
	Туре			He	ermetically sealed swing compress	sor			
Operation range	Heating	Min.~Max.	°CDB		-25 ~25				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
Refrigerant	Type				R-32				
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power leve (according to EN14825)	el				54				
Sound pressure level (at 1 meter)	Nom.				40.6				
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V		V3/1~/50 /230				
Current	Recommended fuses		Α		32				





Floor standing air-to-water heat pump for **bivalent heating, cooling and hot** water with thermal solar support

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- > Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no loss of water through safety valve
- > Bivalent system: combinable with a secondary heat source
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- App control possible for managing heating and hot water operation















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ELSXB-E

ERRA08-12EW1

Efficiency data			ELSXB+	<b>ERRA</b>	12P30E + 08EW1	12P50E + 08EW1	12P30E + 10EW1	12P50E + 10EW1	12P30E + 10EW1	12P50E + 10EW1		
Space heating	Average	General	SCOP		3.	3.47 3.48 3.48						
<b>♣</b>	climate water outlet		ns (Seasonal space heating efficiency)	%			13	36				
	55 °C		Seasonal space heating	eff. class			A-	++				
	Average	General	SCOP		4.9	95		4.	98			
climate water outle		tlet	ns (Seasonal space heating efficiency)	%	19	95	196					
	35 °C		Seasonal space heating	eff. class			A+	++				
Domestic hot	General	Declared	load profile		L	XL	L	XL	L	XL		
r heating	Average	COP		dhw	2.83	3.29	2.83	3.29	2.83	3.29		
•	climate	ŋwh (wate	er heating )	%	119	136	119	136	119	136		
		Water hea	iting energy efficienc	y class			Α	+				
							l	l	l			

		vvater rica	ang chergy chicier	icy class	1033 N							
Indoor Unit				ELSXB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E		
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)							
	Material						Impact resistan	t polypropylene				
Dimensions	Unit		HeightxWidthxDepth mm 1,893x594x680 1,910x792x817 1,893x594x680 1,910x792x817 1,893x594x680 1,91						1,910x792x817			
Weight	Unit			kg	76	91	76	91	76	91		
Tank	Water volu	ıme		- 1	294	477	294	477	294	477		
	Maximum	water tem	oerature	°C			8	5				
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~25				
		Water side	Min.~Max.	°C		15 ~65						
	Domestic	Ambient	Min.~Max.	°C			-25	~35				
	hot water	T Water side Min.~Max. °C 25 ~62										
ound power level Nom. d					44.7							
Sound pressure lev	el Nom			dBA			36	8				

Sound pressure leve	el Nom.		dBA	dBA 36.8					
Outdoor Unit			ERRA	08EW1 10EW1 12EW1					
Dimensions	Unit	HeightxWidthxDepth	n mm	1,003x1,270x533					
Weight	Unit		kg		107				
Compressor	Quantity				1				
	Туре			H€	ermetically sealed swing compresso	or			
Operation range	Heating	Min.~Max.	°CDB		-25 ~25				
	Domestic hot water	Min.~Max.	°CDB		-25 ~35				
Refrigerant	Туре			R-32					
	GWP				675				
	Charge		kg		3.25				
	Charge		TCO2Eq		2.19				
	Control				Expansion valve				
LW(A) Sound power leve (according to EN14825)	el			56					
Sound pressure level (at 1 meter)	Nom.			41.1					
Power supply	Name/Phase/Freque	requency/Voltage Hz/V W1/3~/50 /400							
Current	Recommended fuses	5	Α						





Floor standing air-to-water heat pump for **bivalent heating, cooling and hot** water with thermal solar support

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- > Bivalent system: combinable with a secondary heat source
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- App control possible for managing heating and hot water operation















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ELSXB-E ERRA08-12EV3

Efficiency data			ELSXB+ ERR	A 12P30E + 08EV3	12P50E + 08EV3	12P30E + 10EV3	12P50E + 10EV3	12P30E + 12EV3	12P50E + 12EV3	
Space heating	Average	General	SCOP	3	.37	3.3	38	3.4	47	
<b>♣</b>	climate water outlet		ns (Seasonal space % heating efficiency)		132 136					
	55 °C		Seasonal space heating eff. cla	SS		A	-+			
	Average	General	SCOP	4	.79		4.	82		
	water outlet		ŋs (Seasonal space % 188 heating efficiency)			19	90			
	35 °C		Seasonal space heating eff. cla	ss		A+	++			
Domestic hot	General	Declared I	oad profile	L	XL	L	XL	L	XL	
r heating	Average	COP	dhw	2.75	3.19	2.75	3.19	2.75	3.19	
•	climate	ŋwh (wate		6 116	132	116	132	116	132	
		Water hea	ting energy efficiency clas	S		A	+			

Indoor Unit				ELSXB	12P30E	12P50E	12P30E	12P50E	12P30E	12P50E	
Casing	Colour				Traffic white (RAL9016) / Traffic black (RAL9017)						
	Material				Impact resistant polypropylene						
Dimensions	Unit		HeightxWidthxDepth	mm	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	1,893x594x680	1,910x792x817	
Weight	Unit			kg	76	91	76	91	76	91	
Tank	Water volu	ıme		- 1	294	477	294	477	294	477	
	Maximum	water tem	perature	°C	85						
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~25			
		Water side	Min.~Max.	°C			15 ~	-65			
	Domestic	Ambient	Min.~Max.	°C			-25	~35			
	hot water	Water side	Min.~Max.	°C			25 -	~62			
Sound power leve	l Nom.			dBA			44	1.7			
Sound pressure leve	el Nom.			dBA 36.8							

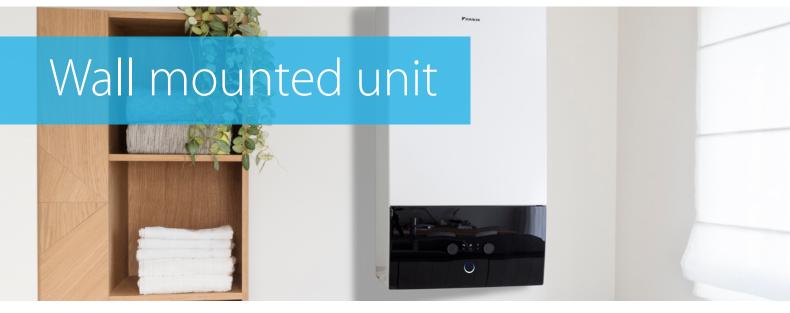
30unu pressure ieve	i NOIII.		UDA	30.0						
Outdoor Unit			ERRA	08EV3	08EV3 10EV3 12EV3					
Dimensions	Unit	HeightxWidthxDepth	n mm		1,003x1,270x533					
Weight	Unit		kg		107					
Compressor	Quantity				1					
	Туре			H	ermetically sealed swing compresso	or				
Operation range	Heating	Min.~Max.	°CDB		-25 ~25					
	Domestic hot water	Min.~Max.	°CDB		-25 ~35					
Refrigerant	Type				R-32					
	GWP				675					
	Charge		kg		3.25					
	Charge		TCO2Eq		2.19					
	Control				Expansion valve					
LW(A) Sound power leve (according to EN14825)					54					
Sound pressure level (at 1 meter)	Nom.				40.6					
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V	V V3/1~/50 /230						
Current	Recommended fuses		Α	32						









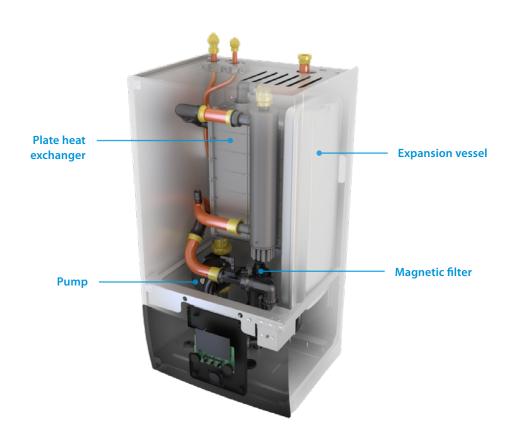


# Why choose Daikin wall mounted unit?

The Daikin Altherma 3 split wall mounted unit offers heating and cooling with high flexibility for a quick and easy installation, with an optional connection to deliver domestic hot water.

# High flexibility for installation and domestic hot water connection

- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- Compact dimensions allows for small installation space, as almost no side clearances are required
- The unit's sleek design blends in with other household appliances
- > Combine with a stainless steel or ECH<sub>2</sub>O thermal store



#### Flexibility in providing domestic hot water

If the end user requires hot water and installation height is limited, a separate stainless steel tank provides the required installation flexibility.

ECH<sub>2</sub>O thermal store range: additional hot water comfort

Combine your wall mounted unit with a thermal store for additional hot water comfort.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- > Optimal domestic hot water performance: with high tapping performance
- > Fit for future possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build on the unit combined with cascade principle offers flexible installation options



#### Flexibility in providing space heating

The wall mounted unit is the perfect choice in case the end user is looking for space heating or cooling while domestic hot water is provided by another system.

Example of installation with a stainless steel domestic hot water tank.







#### Wall mounted **heating only** air to water heat pump

- Quick configuration in 9 steps in a high resolution colour interface wizard
- > Compact dimensions allows for small installation space, as almost no side clearances are required.
- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- > The unit's sleek design blends in with other household appliances











More details and final information can be found by scanning or clicking the QR codes.

ELVH-E6V



ERRA08-12EW1

ERRA08-12EV3

Efficiency data			ELBH -	ERRA	12E6V/9W + 08EW1	12E6V/9W + 08EV3	12E6V/9W + 10EW1	12E6V/9W + 10EV3	12E6V/9W + 12EW1	12E6V/9W + 12EV3		
Space heating	Average	General	SCOP		3.42	3.42	3.42	3.42	3.42	3.42		
·	climate water outlet	t	ns (Seasonal space heating efficiency)	%	134	130	134	131	138	135		
	55 °C		Seasonal space heating	eff. class	A++	A++	A++	A++	A++	A++		
	Average	General	SCOP		4.81	4.69	4.84	4.71	4.84	4.71		
	climate water outlet	t	ns (Seasonal space heating efficiency)	%	190	184	191	186	191	186		
	35 °C		Seasonal space heating	eff. class	A+++	A+++	A+++	A+++	A+++	A+++		
Indoor Unit				ELBH	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W		
Casing	Colour						White	+ Black				
	Material				Resin, sheet metal							
Dimensions	Unit		HeightxWidthxDepth	mm		840x440x390						
Weight	Unit			kg			48	3.5				
Operation range	Heating	Ambient	Min.~Max.	°C			-25	~ 25				
	Water side Min.~Max. °C				15 ~ 65							
Domestic A				°C			-25	~ 35				
	hot water	Water side	Min.~Max.	°C			25 -	~ 62				
Sound power level	Nom.			dBA			4	4				
Sound pressure leve	l Nom.			dBA			3	0				
Outdoor Unit				ERRA	08EW1	08EV3	10EW1	10EV3	12EW1	12EV3		
Dimensions	Unit		HeightxWidthxDepth	mm			1,003x1,	270x533				
Weight	Unit			kg			10	07				
Compressor	Quantity				1							
	Type				Hermetically sealed swing compressor							
Operation range	Heating		Min.~Max.	°CDB				~ 25				
	Domestic	hot water	Min.~Max.	°CDB				~ 35				
Refrigerant	Type						R-	32				
	GWP							75				
	Charge			kg				25				
	Charge		•	CO2Eq			2.	19				
	Control						Expansi	on valve				
LW(A) Sound power leve (according to EN14825)					56	54	56	54	56	54		
Sound pressure level (at 1 meter)	Nom.				41.1	40.6	41.1	40.6	41.1	40.6		
Daniel annuali	Name/Pha	se/Frequen	cy/Voltage	Hz/V	W1/3~/50 /400	V3/1~/50 /230	W1/3~/50 /400	V3/1~/50 /230	W1/3~/50 /400	V3/1~/50 /230		
Power supply	radific/ i fic											





Wall mounted **reversible** air to water heat pump for heating and cooling

- Quick configuration in 9 steps in a high resolution colour interface wizard
- > Compact dimensions allows for small installation space, as almost no side clearances are required.
- > Combine with a stainless steel tank or ECH<sub>2</sub>O thermal store.
- Inclusion of all hydraulic components means no third party components are required
- > The unit's sleek design blends in with other household appliances













More details and final information can be found by scanning or clicking the QR codes.





ERRA08-12EW1

ERRA08-12EV3

Efficiency data			ELBX + ERRA	12E6V/9W + 08EW1	12E6V/9W + 08EV3	12E6V/9W + 10EW1	12E6V/9W + 10EV3	12E6V/9W + 12EW1	12E6V/9W + 12EV3
Space heating	Average	General	SCOP	3.47	3.37	3.48	3.38	3.58	3.47
	climate water outle	t	ns (Seasonal space % heating efficiency)	136	132	136	132	140	136
	55 °C		Seasonal space heating eff. clas	s		A	++		
	Average	General	SCOP	4.95	4.79	4.98	4.82	4.98	4.82
	climate water outle	t	ns (Seasonal space % heating efficiency)	195	188	196	190	196	190
	35 ℃		Seasonal space heating eff. clas	S A+++					

Indoor Unit				ELBX	12E6V	12E9W	12E6V	12E9W	12E6V	12E9W	
Casing	Colour				White + Black						
	Material				Resin, sheet metal						
Dimensions	Unit		HeightxWidthxDepth	mm	840x440x390						
Weight	Unit			kg	48.5						
Operation range	Heating	Ambient	Min.~Max.	°C	-25 ~25						
		Water side	Min.~Max.	°C			15 -	~65			
	Domestic	Ambient	Min.~Max.	°C			-25	~35			
	hot water	Water side	Min.~Max.	°C			25 ·	~62			
Sound power leve	l Nom.			dBA 44							
Sound pressure leve	el Nom.			dBA	A 30						

Sound pressure leve	el Nom.		dBA	30							
Outdoor Unit			ERRA	08EW1	08EV3	10EW1	10EV3	12EW1	12EV3		
Dimensions	Unit	HeightxWidthxDepth	n mm	1,003x1,270x533							
Weight	Unit		kg		107						
Compressor	Quantity				1						
	Туре				Hermetically sealed swing compressor						
Operation range	Heating	Min.~Max.	°CDB			-25	~ 25				
	Domestic hot water	Min.~Max.	°CDB			-25	~ 35				
Refrigerant	Туре					R-	32				
	GWP					67	75				
	Charge		kg	3.25							
	Charge		TCO2Eq	2.19							
	Control			Expansion valve							
LW(A) Sound power leve (according to EN14825)	el			56	54	56	54	56	54		
Sound pressure level (at 1 meter)	Nom.			41.1	40.6	41.1	40.6	41.1	40.6		
Power supply	Name/Phase/Freque	ncy/Voltage	Hz/V	W1/3~/50 /400	V3/1~/50 /230	W1/3~/50 /400	V3/1~/50 /230	W1/3~/50 /400	V3/1~/50 /230		
Current	Recommended fuses	3	Α	16	32	16	32	16	32		

Canalaina	tion told and autions		3 R MT
Combinar	tion table and options		ELVH12S18E6V
			ELVH12S18E9W
			ELVH12S23E6V
		** * ****	ELVH12S23E9W
ype	Description	Material name	
		ERRAO8EV3/W1	0
outdoor unit		ERRA10EV3/W1	0
		ERRA12EV3/W1	0
	Madoka wired room thermostat	BRC1HHDK/S/W	0
	Wireless room thermostats	EKRTRB	0
	Wired digital thermostat	EKRTWA	0
	WLAN module	BRP069A71	0
	Wireless room by room control	Daikin Home Controls (pages 272-275)	•
Controller	LAN module	BRP069A62	•
	WLAN cartridge	BRP069A78	<b>o</b> (1)
	Wired digital thermostat	EKWCTRDI1V3	•
	Wired analog thermostat	EKWCTRAN1V3	<b>o</b>
	Wired underfloor heating base station	EKWUFHTA1V3	0
	Universal centarlized controller	EKCC8-W, DCOM-LT/IO, LT/MB	0
		EKHWS(P)(U)150D3V3	
		EKHWS(P)(U)180D3V3	
	Stainless steel tank	EKHWS(P)(U)200D3V3	
		EKHWS(P)(U)250D3V3	
		EKHWS(P)(U)300D3V3	
Domestic hot water		EKHWS(P)(U)300D3V3  EKHWP300B	
Joines action		EKHWP500B	
	Polypropylene tank	EKHWP300B	
		EKHWP500PB	
	Third party tank kit	EKHY3PART	
		EKHY3PART2	
	External sensor for EKRTRB room thermostat	EKRTETS	0
	High voltage smart grid relay kit	EKRELSG	0
Sensors	Remote indoor temperature sensor	KRCS01-1	<b>o</b> (6)
	Remote outdoor temperature sensor	EKRSCA1	<b>o</b> (6)
	Generic Bizone kit (PCB only)	EKMIKPOA	0
	Generic Bizone kit	ЕКМІКРНА	•
	Digital I/O PCB	EKRP1HBA	<b>o</b> (7)
	Demand PCB	EKRP1AHT	•
Other options	PC USB cable	EKPCCAB4	0
Other options	Conversion kit H/O to reversible for floor standing	EKHVCONV4	0
	Conversion kit H/O to reversible for wall mounted	EKHBCONV	
	Booster heater kit	EKBH3SD	
	Inline BUH - connection kit	EKECBUCO2AF	
	Inline BUH - 3kW, for *3V (1N~, 230 V, 3 kW)	EKECBUAF3V	
	Inline BUH - 6kW, for *6V (1N~, 230 V, 6 kW)	EKECBUAF6V	
	Inline BUH - 9kW, for *9WN (3N~, 400 V, 9 kW)	EKECBUAF9W	
ECH <sub>2</sub> O options	Caleffi sludge and magnetite separator SAS1	156021	
	Biv Connector Kit	EKECBIVCO2AF	
	DB connector Kit	EKECDBCO2AF	
	Solar kit HT incl. pump station	EKSRPS4A	
	Room thermostat	EKRCTRDI2BA	<b>o</b>
	Room thermostat 2	EKRCTRDI3BA	<u> </u>
		EKRC I KDI3BA  EKRSENDIIBA	
	Room sensor		•
C-ntrale	Access point	EKRACPURIPA	•
Daikin Home Controls	Radiator thermostat	EKRRVATR2BA	•
	Floor Heating Controller	EKRUFHT61V3	<b>⊚</b>
	Actuator	EKWCVATR1V3	0
	Basic IO Box	EKRSIBDI1V3	<u> </u>
	Multi IO Box	EKRMIBEV1V3	•

Included in accessory bag.
 Dedicated connection kit: EKEPRHLT3HX.
 Dedicated connection kit: ETBH: EKEPRHLT5H / ETBX: EKEPRHLT5X.
 EKHY3PART can be used if you have a tank in which you can insert the thermistor.
 EKHY3PART2 can needs to be used if you have a tank in which you can't insert a thermistor.
 Only one sensor can be connected: indoor or outdoor.
 Additional relays to allow bivalent control in combination with external room thermostat are field supply.

<sup>(8)</sup> Only 1 Backup heater can be connected on one unit: 3 or 6\* or 9 kW (\*No 6T1-model applicable). EKECBUCO2AF is needed to connect the backup heater to the main unit.
(9) Only bivalent models.
(10) Only needed for 300 models. 500 models do not need DB connector kit to install DB solar system.
(11) Models EKHWSUI50DV3, EKHWSUI80DV3, EKHWSU200DV3, EKHWSU250DV3 and EKHWSU300DV3 are not available for the UK.

or standing integrated tank		Floor standing integrated ECH <sub>2</sub> O	Wall mo	ounted
Reversible	Bizone		H/O	Reversible
3 R MT	3 R MT	3 R MT	3 R MT	3 R MT
ELVX12S18E6V	ELVZ12S18E6V	ELSH(B)12P30E		
ELVX12S18E9W	ELVZ12S18E9W	ELSH(B)12P50E		
ELVX12S23E6V	ELVZ12S23E6V	ELSX(B)12P30E	ELBH12E6V	ELBX12E6V
ELVX12S23E9W	ELVZ12S23E9W	ELSX(B)12P50E	ELBH12E9W	ELBX12E9W
		2201(5).2.502		
•	•	•	•	•
0	0	<b>⊙</b>	<b>o</b>	•
<b>o</b>	0	<u> </u>	<b>o</b>	<b>o</b>
<b>o</b>	0	<b>o</b>	<b>©</b>	<b>o</b>
•	0	•	•	•
0	0	<b>o</b>	<b>o</b>	<b>o</b>
<b>o</b>	0	<b>o</b>	<b>©</b>	<b>o</b>
<b>o</b>	0	•	<b>o</b>	<b>o</b>
•	0	•	•	•
<b>o</b> (1)	<b>o</b> (1)	<b>◎</b> (1)	<b>o</b> (1)	<b>o</b> (1)
•	0	•	<b>o</b>	0
•	•	•	•	0
•	0	•	•	0
0	0	•	<b>o</b>	0
			<b>⊙</b> (11)	o (11)
			<b>o</b> (11)	<b>o</b> (11)
			<b>⊙</b> (11)	o (11)
			<b>⊙</b> (11)	o (11)
			<b>⊙</b> (11)	<b>o</b> (11)
			<b>◎</b> (2)	<b>o</b> (2)
			<b>o</b> (3)	<b>o</b> (3)
			<b>o</b> (2)	<b>○</b> (2)
			<b>o</b> (3)	<ul><li>(2)</li><li>(3)</li></ul>
			<b>o</b> (4)	<b>o</b> (4)
			<b>o</b> (5)	<b>○</b> (4)
<b>o</b>	<b>o</b>	<b>o</b>	<b>(</b> 5)	<b>(</b> 5)
0	<u> </u>	•	<u> </u>	<u> </u>
<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)	<b>o</b> (6)
<b>o</b> (6)	<b>o</b> (6)	<b>○</b> (6)	<b>o</b> (6)	<b>o</b> (6)
<b>o</b>	<b>▼</b> (♥)	0	<b>o</b>	<b>(</b> 0)
•		•	<b>⊙</b>	•
<b>o</b> (7)	<b>o</b> (7)		<b>o</b> (7)	<b>o</b> (7)
•	•	•	• • • • • • • • • • • • • • • • • • • •	• (7)
0	<u> </u>	•	<u> </u>	•
	<b>o</b>	•	•	•
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		<b>o</b> (9)		
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		<b>⊙</b>		
•	<b>o</b>	•	<b>o</b>	•
<b>o</b>	<b>o</b>	<b>⊙</b>	<b>o</b>	•
<b>o</b>	0	<b>o</b>	<b>o</b>	0
0	•	<b>⊙</b>	<b>o</b>	•
•	0	<b>o</b>	<b>o</b>	0
•	0	•	<b>o</b>	0
•	0	•	<b>o</b>	0
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0	0	•	0	0
0	0	<b>©</b>	<b>o</b>	0





# Why choose a Daikin Altherma high temperature split?

The Daikin Altherma high temperature split is the perfect heating solution to upgrade an old heating and hot water system to achieve more cost savings and energy efficiency, without replacing the existing piping and radiators.



# Comfort

#### Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers. Daikin Altherma high temperature split's compact design requires minimal installation space and integrates seamlessly with your existing piping and radiators. Minimal installation ensures you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

- > Easy replacement: reuse existing piping/radiators
- > Reduced installation time
- Limited installation space needed as the indoor unit and domestic hot water tank can be stacked together
- No need to change existing radiators and piping as water temperatures can be increased up to 80 °C for heating and domestic hot water use



Whether your customer wants only domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

#### Stainless steel domestic hot water tank

The domestic hot water tank can be stacked on top of the indoor unit to save space, or installed next to each other if space is available.

- > Available in 200 or 250 litres
- > Efficient temperature heating: from 10 °C 50 °C in only 60 minutes\*

\*Test completed with a 16 kW outdoor unit at ambient temperature of 7  $^{\circ}\text{C}$  for a 200 litre tank.



#### ECH<sub>2</sub>O thermal store: hot water savings with solar energy

Combine the Daikin Altherma heat pump with a thermal store to reduce energy costs by taking advantage of the sun's renewable energy.

Built for small and large homes, customers can choose from a pressureless or pressurised hot water system.





#### Powered by renewable energy

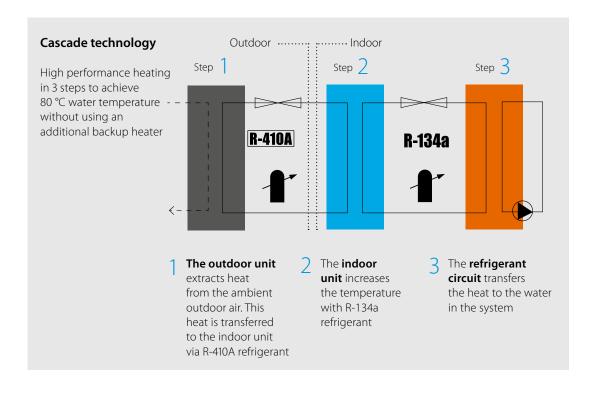
Powered by 65% renewable energy extracted from the air and 35% electricity, our Daikin Altherma high temperature heat pump provides heating and hot water with A+ energy efficiency.



# **M** Reliability

The Daikin Altherma high temperature split optimises its technology to deliver reliable year-round comfort, even in the most extreme climates.

- > 11-15 kW capacities
- > Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
- > Works with existing high temperature radiators up to 80 °C without an additional backup heater





#### Daikin Altherma R HT

#### Floor standing **heating only** air to water heat pump combinable with existing radiators

- > Energy efficient heating only system based on air to water heat pump technology
- > Single phase floor standing indoor unit up to 16kW
- > Three phase floor standing indoor unit up to 16kW
- > High temperature application: up to 80 °C without electric heater
- > Easy replacement of existing boiler, without changing heating pipes
- > Combinable with high temperature radiators
- > Low energy bills and low CO<sub>2</sub> emissions
- > Inverter controlled scroll compressor











More details and final information can be found by scanning or clicking the QR codes.

















Efficiency data			EKHBRD + ERRQ/ERSQ	011ADV17 + ERRQ011AV1	011ADV17 + ERSQ011AV1	014ADV17+ ERRQ014AV1	014ADV17+ ERSQ014AV1	016ADV17 + ER(R/S) Q016AV1	011ADY17 + ERRQ011AY1	011ADY17 + ERSQ011AY1	014ADY17+ ERRQ014AY1	014ADY17+ ERSQ014AY1	016ADY17 + ER(R/S) Q016AY1
Heating capacity	Nom.		kW		/11.0 (2) 2 (3)		/14.0 (2) 4 (3)	16.0 (1)/16.0 (2) / 16.0 (3)		/11.0 (2) .2 (3)		/14.0 (2) .4 (3)	16.0 (1)/16.0 (2) / 16.0 (3)
Power input	Heating	Nom.	kW	3.80 (1)/4.40 (2) / 2.67 (3)	3.87 (1)/4.40 (2) / 2.67 (3)	5.02 (1)/5.65 (2) / 3.87 (3)	5.09 (1)/5.65 (2) / 3.87 (3)	5.86 (1)/6.65 (2) / 4.31 (3)	3.80 (1)/4.40 (2) / 2.67 (3)	3.87 (1)/4.40 (2) / 2.67 (3)	5.02 (1)/5.65 (2) / 3.87 (3)	5.09 (1)/5.65 (2) / 3.87 (3)	5.86 (1)/6.65 (2) / 4.31 (3)
COP				2.97 (1)/2.50 (2) / 4.20 (3)	2.92 (1)/2.50 (2) / 4.20 (3)	2.89 (1)/2.48 (2) / 3.72 (3)	2.85 (1)/2.48 (2) / 3.72 (3)	2.73 (1)/2.41 (2) / 3.72 (3)	2.97 (1)/2.50 (2) / 4.20 (3)	2.92 (1)/2.50 (2) / 4.20 (3)	2.89 (1)/2.48 (2) / 3.72 (3)	2.85 (1)/2.48 (2) / 3.72 (3)	2.73 (1)/2.41 (2) / 3.72 (3)
Space heating	Average climate water outlet 55 °C	General	SCOP	SCOP 2		2.	98	3.01	2.	96	2.	98	3.01
•			ns (Seasonal space % heating efficiency)	1	15	1	16	117	1	15	1*	16	117
			Seasonal space heating eff. class	lass					A+				
	Average	General	SCOP	2.	70	2.	81	2.88	2.	70	2.	.81	2.88
	climate water outlet 35 °C		ns (Seasonal space % heating efficiency)	105		1	10	112	10	05	1	10	112
			Seasonal space heating eff. class	С			В			С		В	

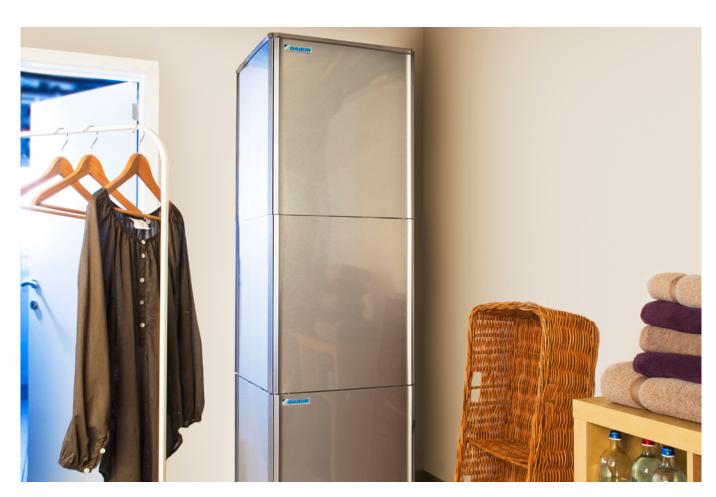
Indoor Unit				EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17		
Casing	Colour				Metallic grey							
	Material						Precoated s	heet metal				
Dimensions	Unit	HeightxWic	dthxDepth	mm			705x60	0x695				
Weight	Unit			kg		144			147			
Operation range	Heating	Ambient	Min. ~ Max.	°C	-20 / 0 ~ 20							
		Water side	Min. ~ Max.	°C	25 ~ 80							
	Domestic hot water	Ambient	Min. ~ Max.	°CDB			-20 ~	- 35				
		Water side	Min. ~ Max.	°C	25 ~ 80							
Refrigerant	Type				R-134a							
	Charge kg				2.60							
	Charge TCO <sub>2</sub> Eq				3.718							
Sound pressure level	Nom.			dBA	43 (4)/46 (5)	45 (4)/46 (5)	46 (4)/46 (5)	43 (4)/46 (5)	45 (4)/46 (5)	46 (4)/46 (5)		
	Night quiet mod	e Level 1		dBA	40 (4)	43 (4)	45 (4)	40 (4)	43 (4)	45 (4)		

Outdoor Unit				ERRQ-011AV1	ERSQ-011AV1	ERRQ-014AV1	ERSQ- 014AV1	ERRQ/ERSQ 016AV1	ERRQ-011AY1	ERSQ-011AY1	ERRQ- 014AY1	ERSQ-014AY1	ERRQ/ERSQ 016AY1
Dimensions	Unit	HeightxWidthxDepth	mm				UIAAVI		900x320		UITATT		VIOATI
Weight	Unit		kg					1	20				
Compressor	Quantity							1					
	Туре		Hermetically sealed scroll compressor										
Operation range	Heating	°CWB	-20 ~ 20										
	Domestic hot water	Min. ~ Max.	°CDB	-20 ~ 35									
Refrigerant	Туре	R-410A											
	GWP		2,087.5										
	Charge		4.50										
	Charge		TCO <sub>2</sub> Eq	9.40									
	Control	Control				Expansion valve (electronic type)							
Sound power level	Heating	Nom.	dBA	6	58	69	)	71	6	8		69	71
Sound pressure level	Heating	Nom.	dBA	5	52	53	3	55	5	52		53	55
Power supply Name/Phase/Frequency/Voltage Hz/V				V1/1 ~ /50/220-440					Y1/3 ~ /50/380-415				
Current	Recommended fuses A				25					16			

(I)EW 55 °C; LW 65 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (2)EW 70 °C; LW 80 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (3)EW 30 °C; LW 35 °C; Dt 5 °C; ambient conditions: 7 °CDB/6 °CWB | (4)EW 55°C; LW 65°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; Dt 10°C; ambient conditions 7 °CDB/6 °CWB | (5)EW 70°C; LW 80°C; This product contains fluorinated greenhouse gases

# **Options**

		Туре	Material name
		Remote user interface	EKRUAHTB
	23 15 33 FAMEN	Room thermostat (wired)	EKRTWA
Controllers	-	Room thermostat (wireless)	EKRTR1
		Centralised controller kit	EKCC-W
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
	String Co.	Demand PCB	EKRP1AHTA
Adapter		Digital I/O PCB	EKRP1HBAA
		Back-up heater for HT 1 ~	EKBUHAA6V3
Back-up heater		Back-up heater for HT 3 ~	EKBUHAA6W1
		Bottom plate heater	EKBPHTH16A
nstallation		UK tank kit	EKUHWHTA
IISTAIIATION		Stand alone kit	EKFMAHTB
Sensor		External sensor	EKRTETS
/alve		Refrigerant stop valves	EKRSVHTA
Others		Compatibility kit 1	EKMKHT1A
Others		Compatibility kit 2	EKMKHT2A



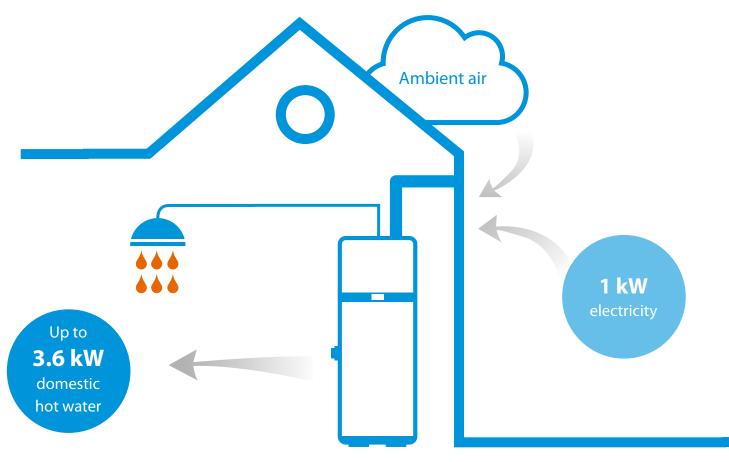


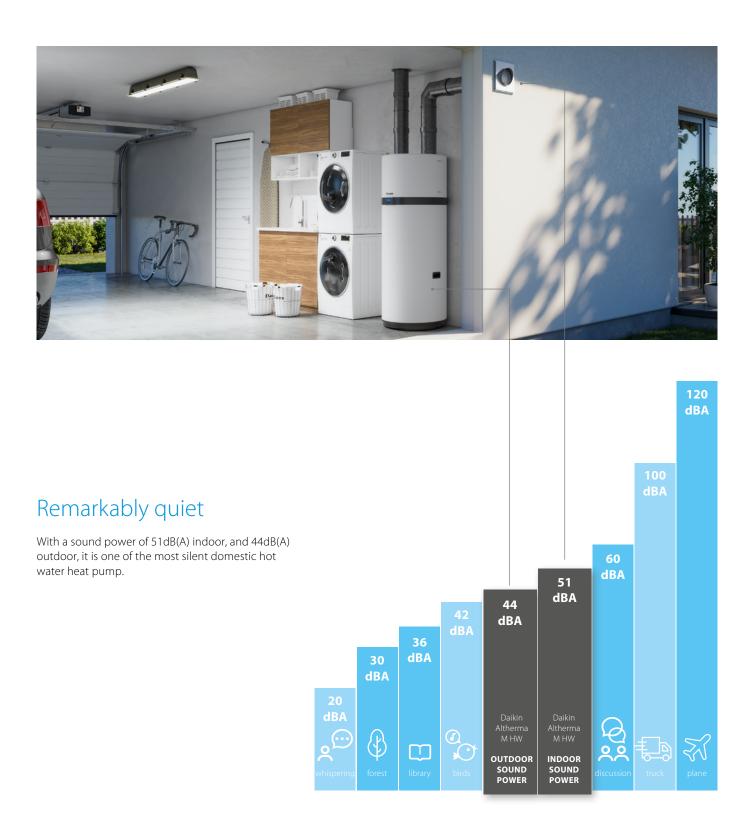
# Why choose Daikin Altherma domestic hot water heat pump?

#### How does it work?

The system is made of a singly indoor unit that extracts energy from the air to provide domestic hot water. The unit collects up to 60% of its energy in the air, while the rest is provided by electricity.

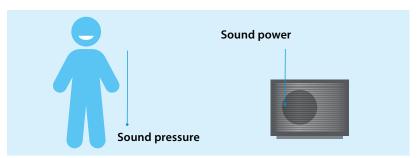
This heat pump relies on a compressor and a refrigerant to transfer the energy from the air to the water, heating the water up to your needs and delivering it into your house.



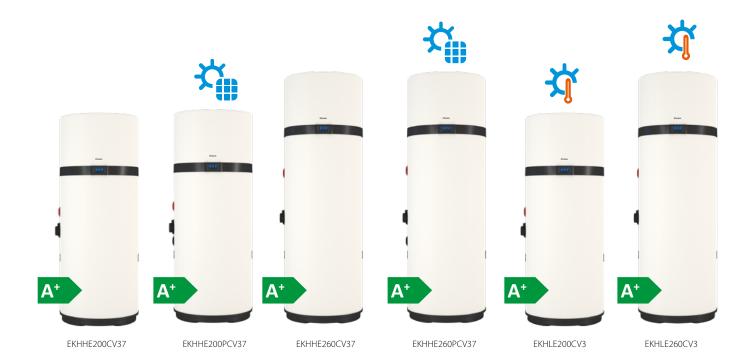


# The acoustic level can be evaluated in two ways

- > The **sound power** is generated by the unit itself, independently of distance and environment
- > The sound pressure is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.



# Product range

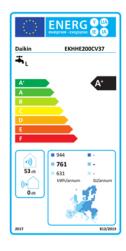




These models are connectable to solar thermal or another auxiliary source, thanks to an extra coil, support the heat up of domestic hot water.



High temperature models are dedicated for warm climate conditions.



#### **Features**

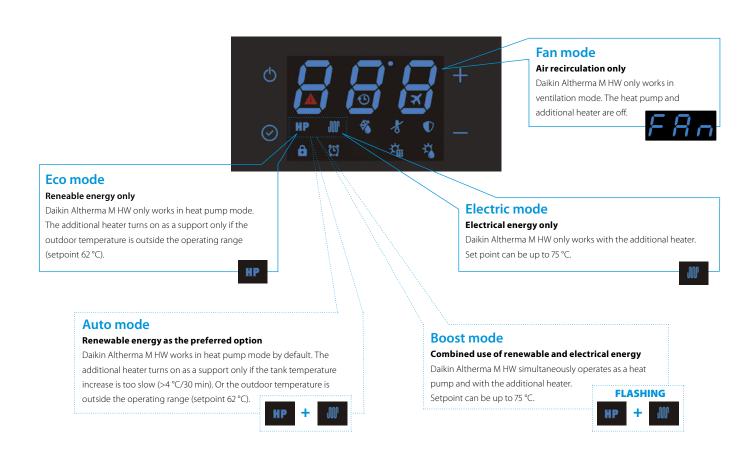
Daikin Altherma M HW is an air-water heat pump for the production of domestic hot water, storage in a enamelled steel tank, with condenser having an external jacket to guarantee top safety and hygiene.

- > Maximum temperature of 62 °C from renewable energy with heat pump alone or through a heating element (up to 75 °C)
- > Programmable digital interface with TOUCH keys
- > Integration through Solar Thermal energy (-PCV37 model)
- > Integration with Photovoltaic Solar system

# Intuitive controls

# A very simple and intuitive display

- > White backlit LEDs to control temperature and features
- > **Red** backlit LEDs for alarm warnings
- > The 4 side TOUCH keys turn Daikin Altherma M HW on/off ( ); keys to browse through the MENU (**SET**) and increase ( + ) or decrease ( ) settings



## Specifications















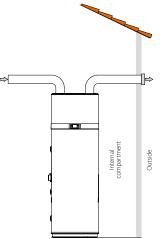
Туре	Volume (I)	Capacity	Dimensions (mm)	Optimisation from Photovoltaic	Integrated Solar Thermal Control	Legionella Control Sanitisation	Time slot-based operation	OFF PEAK feature	Defrosting on	Holiday Mode
ЕКННЕ-СV37	200	<b>†</b> † †	628 x 628 x 1,607	•	-	•	•	•	•	•
	260	<b>ተተተ</b>	628 x 628 x 1,892	•	-	•	•	•	•	•
EKHHE-PCV37	200	<b>ተ</b> ተተ	628 x 628 x 1,607	•	•	•	•	•	•	•
	260	***	628 x 628 x 1,892	•	•	•	•	•	•	•
EKHLE-CV3	200	<b>ተ</b> ተተ	628 x 628 x 1,607	•	-	•	•	•	-	•
	260	***	628 x 628 x 1,892	•	-	•	•	•	-	•

# Installation

Daikin Altherma M HW can be installed in any room, including non-heated ones like garages and laundry rooms, and does not require any special work, except for the holes for the air intake and exhaust pipes.



#### Some installation methods





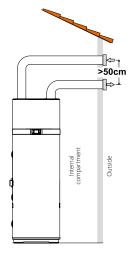


Fig. 2 - Example of air discharge connection

The heat pump requires suitable air ventilation. A suggested method for a designated air duct is provided in Fig. 1. Plus, it is essential to guarantee suitable ventilation in the room where the appliance is installed.

An alternative solution is provided in the picture on the right (Fig. 2): it involves additional ducting that draws air from outdoors, rather than directly from indoors.

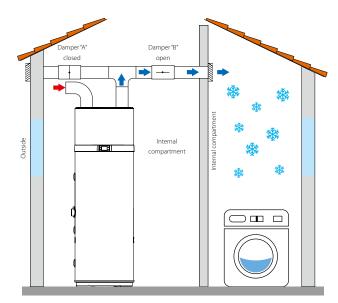


Fig. 3 - Example of installation in summer

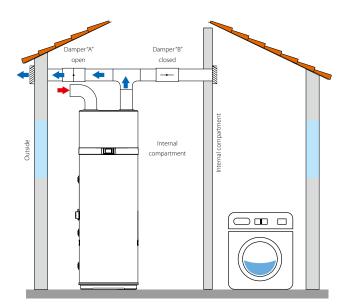


Fig. 4 - Example of installation in winter

One of the unique features of heat-pump heating systems is the fact that these units considerably reduce the temperature of the air, which is usually ejected outdoors. As well as being colder than the air in the room, the ejected air is also completely dehumidified, which is why the airflow can be conveyed back into the home to cool specific areas or rooms in summer. Installation involves doubling the exhaust pipe, on which two dampers ("A" and "B") are applied to convey the airflow either outside (fig. 3) or inside the house (fig. 4).

# Daikin Altherma M HW **Second Generation**

- > Available in floor standing (200-260 L)
- > Compact modern design
- > Anti-legionella cycle
- > Scheduled operation
- > Integrated solar thermal control (EKHHE-PCV37)
- > Suitable for warm climate (EKHLE-CV3)





More details and final information can be found by scanning or clicking the QR codes.







EKHHE-PCV37



Indoor unit				EK	HHE200CV37	HHE260CV37	HHE200PCV37	HHE260PCV37	HLE200CV3	HLE260CV3			
Heat up time	Max.			hh:mm	06:27	09:29	06:27	09:29	07:16	09:44			
COP					3.23	3.37	3.23	3.37	4.32	4.32			
Domestic hot water	Output Nom kW				1.34 1.25 1.34 1.25 1.60								
Equivalent hot water	Max			ı	247	340	241	335	247	340			
Dimensions	Unit	Height		mm	1,607	1,892	1,607	1,892	1,607	1,892			
		Diameter		mm			Top: 621, B	ottom: 628					
Weight	Unit	Empty		kg	85	97	96	106	86	98			
nstallation plac	e						Ind	oor		,			
P class							IP	24					
Refrigerant	Type			İ			R-1	34a					
•	GWP						1,4	130					
	Charge TCO2Eq						1.	43					
	Charge kg							1					
Heat pump	Casing	Colour					WI	nite					
	Defrost method					Hot	t gas		-	-			
	Automatic defrost start °C						-5		-	-			
	System pressure	Max.		bar	7								
	Operation range	Ambient	Min.	°CDB			4						
	.,		Max.	°CDB	-7 4 43								
	Power supply	Phase			1								
		Frequency Hz			50								
		Voltage V			230								
			unning current	Α		8	3.5	-	8	.2			
Tank	Integrated heating element power	<u> </u>			1.5								
	Casing	Material			Enamelled steel								
	Installation		nal connection po	ssible	-	_	Yes	Yes	-	_			
	Standing heat loss	Joidi tireiiii	iai comiccion po	W	63	71	63	71	63	70			
	Power supply	Phase				, , ,		1		,,,			
	· onc. supp.y	Frequency		Hz	50								
		Voltage V			230								
Domestic hot	General	Declared lo	ad profile	v	L	XL	L	XL	L	XL			
water heating	General	Water heating energy efficiency class			A+								
		Thermostat temperature setting		°C		55							
	Average climate		al electricity on)	kWh	761	1,210	761	1,210	883	1,315			
		ŋwh (water efficiency)		%	135	138	135	138	116	127			
	Cold climate		al electricity on)	kWh	944	1,496	944	1,496	883	1,315			
	Warm climate	AEC (Appual electricity		kWh	631	1,046	631	1,046	883	1,315			
Sound power level	Domestic hot water	heating		dBA	53	51	53	51	5	2			







The Daikin Altherma ground source heat pump uses geothermal energy and Daikin's inverter heat pump technology to deliver heating and hot water in all climates.



# Space heating

During winter



## Space cooling

Active cooling with high efficiency



## Domestic hot water production

Integrated 180 L stainless steel tank



Leaving water temperature up to 65 °C, so the unit can work with underfloor heating, heat pump convectors but also with radiators.



# Renovation and new build

Suitable for renovation: thanks to a high water temperature of 65 °C output, the unit fits with classic radiators.

Suitable for new build: the Daikin Altherma 3 GEO is also combinable with fan coils and underfloor piping.

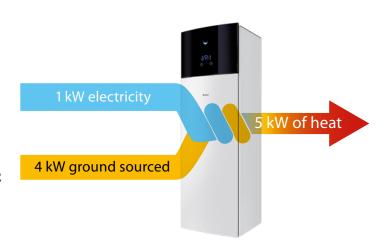


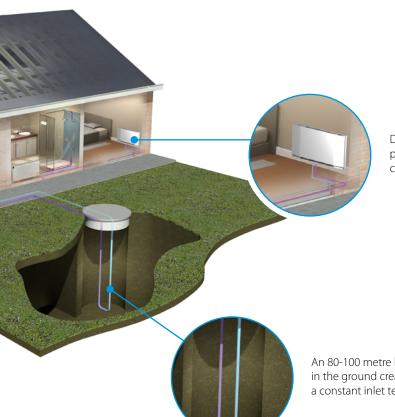
# Electricity savings

The continuous inverter operation allows a high modulation range down to 0.85kW, avoiding the unit to use more electricity to stop and start.

#### **BLUEVOLUTION**

Bluevolution technology using R-32, environmentally friendly refrigent with a lower GWP, reducing its CO<sub>2</sub> equivalent by 70% compared to its predecessor R-410A.





Daikin Altherma HPC provides heating or cooling for living rooms.

An 80-100 metre borehole in the ground creates a constant inlet temperature.

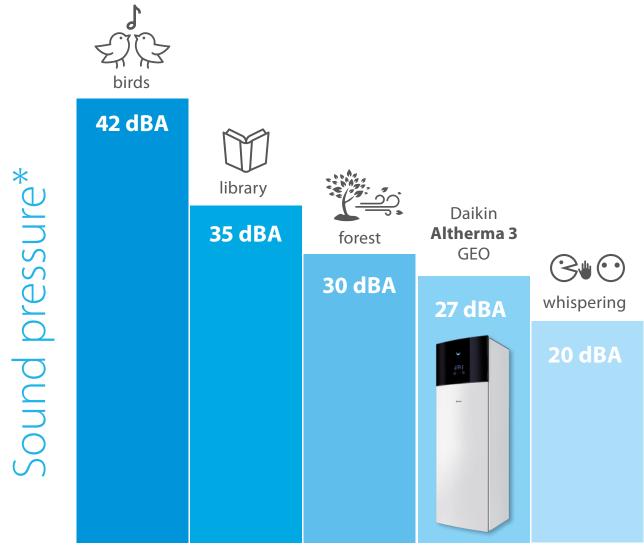
# Care for peace of mind



The Daikin Altherma 3 GEO is designed to perform the best efficiencies in what matter the most: quietness and connectivity.



Extremely quiet operation









# Built-in connectivity

Control your home climate from any place, at any time



# Onecta App

Always in control. Control your climate from any place, at any time.





Monitor





Monitor the status of your heating system



Control the operation mode and set temperature



Schedule the set temperature and operation mode



Control your heating system with your voice

Madoka wired remote controller for Daikin Altherma

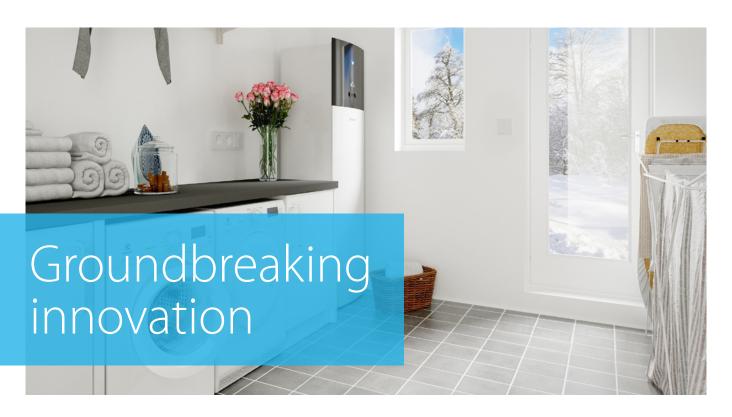
A new generation of user interface, designed and intuitive.

- ✓ Intuitive control with a premium design
- ▼ Three colors to match any interior design
- **▼** Easily set operation parameters









Quick and easy installation thanks to factory-fitted piping on top of the unit, pre-cabled electrical connections and reduced overall weight.

All pipe connections on top, paired in and out



Standard electrical connections pre-cabled

Can easily be installed in confined spaces thanks to a small footprint and integrated handles



# Advanced

## user interface

#### The Daikin Eye

The intuitive Daikin eye shows you in real time the status of your system.



#### Blue

When the Daikin Eye indicates a blue colour, it means the heat pump is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



#### Red

1,891 mm

When the Daikin Eye indicates a red colour, it means the heat pump is out of commission and requires a maintenance check.



#### Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit.

#### Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and 2 navigational knobs.

#### Beautiful design

The user interface was especially designed to be very intuitive.

The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.



# Removable compressor module, reducing the overall weight by 70 kg



597 mm





#### Daikin Altherma 3 GEO

# Ground source heat pump for heating, cooling & hot water

- > Top-level seasonal efficiency thanks to our inverter heat pump technology providing the highest savings on running costs
- > Delivering temperatures up to 65 °C at high efficiency, the R-32 Daikin Altherma 3 GEO is suitable for underfloor heating/cooling, fan coils and radiators
- > Integrated indoor unit: all-in-one floor standing unit including the stainless steel domestic hot water tank saves space and installation time
- > The unit has a similar footprint when compared to other household appliances
- > Reversible heat pump, allowing heating and cooling













More details and final information can be found by scanning or clicking the QR codes.







Indoor Unit				EGSA	H06D9W	X06D9W	H10D9W	X10D9W
Heating capacity	Min.			kW		0	.85	
	Nom.			kW	3.	.35	5	.49
	Max.			kW	7.	98	9	.55
Power input	Nom.			kW	0	.74	1	.17
COP					4	.51	4	.70
Space heating	Average climate	General	ns (Seasonal space heating efficiency)	%	141	143	152	154
	water outlet 55°C		Seasonal space heating	g	А	++	A	+++
	Average climate	General	ns (Seasonal space heating efficiency)	%	195	199	197	200
	water outlet 35°C		Seasonal space heating eff. class	g		A-	+++	
Domestic hot water heating	General	Declared lo	oad profile				L	
<u></u>	Average	ŋwh (water	heating efficiency)	%		1	17	
•	climate	Water heat	ing energy efficiency cla	ss		-	\+	
Space cooling	Medium	General	SEER		-	15	-	15
<b>*</b>	temperature application		Pdesign	kW	-	8	-	8
	Low	General	SEER		-	14	-	14
	temperature application		Pdesign	kW	-	8	-	8
Casing	Colour						Silver-grey	
	Material					Precoated	sheet metal	
Dimensions	Unit	HeightxWi	dthxDepth	mm		1,891x	597x666	
Veight	Unit			kg		2	22	
Гank	Water volum	ne		- 1		1	80	
	Insulation	Heat loss	kW	Vh/24h		1	20	
	Corrosion pr	otection				Pic	kling	
Operation range	Installation	space	Min. ~ Max.	°C		5	/35	
	Brine side		Min. ~ Max.	°C		-10	)/30	
	Heating	Water side	Min. ~ Max.	°C		5	/65	
	Domestic	Water side	Min. ~ Max.	°C		25	/60	
	hot water							
Refrigerant	Type						-32	
	GWP					6	75	
	Charge			kg			70	
	Charge		T	CO₂Eq		1	.15	
Sound power level	Nom.			dBA	3	39		41
Sound pressure level at 1 meter	Nom.			dBA	2	27		29
Power supply	Name/Phase	/Frequency	/Voltage	Hz/V		3 ~ /50/400	or 1 ~ /50/230	
Current	Recommend	led fuses		Α		3P 16A	or 1P 32A	

# **Options**

	Туре	Material name	
	Remote user interface	BRC1HHDAK/S/W	
	Room thermostat (wired)	EKRTWA	
Controls	Room thermostat (wireless)	EKRTRB	
Controis	Cascade control	EKCC8-W	
	Gateway	DCOM-LT/IO	
	Gateway	DCOM-LT/MB	
Adaptor	Demand PCB	EKRP1AHTA	
Auaptei	Digital I/O PCB	EKRP1HBAA	
	Remote indoor sensor	KRCS01-1	
Sensor	External sensor	EKRTETS	
	Reduce power limiation sensor	EKCSENS	
	PC cable	EKPCCAB4	
	Ground source filling kit	KGSFILL2	
Others	Separate power supply BUH	EKGSPOWCAB	
	Magnetic filter Fernox	K.FERNOXTF1	
	Magnetic filter Fernox	K.FERNOXTF1FL	

# Daikin Altherma

Hybrid heat pump



# Why choose a Daikin Altherma Hybrid heat pump?

The Daikin Altherma Hybrid heat pump is the ideal solution to replace your old gas boiler.

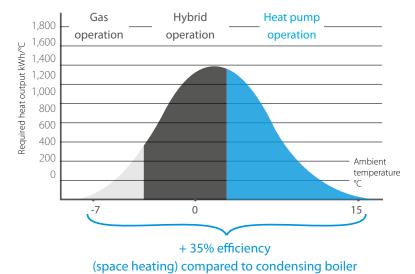


#### Heating

A Daikin Altherma Hybrid heat pump automatically determines the most economic and energy efficient heating combination.

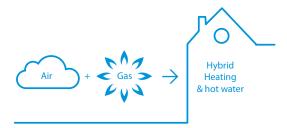
- Heat pump operation: the best available technology for optimising running costs at moderate outdoor temperatures
- Hybrid operation: both the gas boiler and heat pump operate simultaneously to deliver the ultimate comfort for your customer
- Gas operation: when outdoor temperatures drastically drop, the unit will automatically switch to gas operation mode

#### Illustration of an average European climate

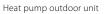


- > Heat load: 14 kW
- > 70% heat pump output
- > 30% gas boiler output

Heat load = the capacity of the space heating system required to maintain comfortable indoor temperatures at any time Required heat output = heat load x n° of occuring hours per year



# 832 mm 307 mm





Heat pump indoor unit

#### Hot water

The gas condensing boiler's dual heat exchanger increases hot water efficiency by up to 15% when compared with traditional gas boilers.

#### Cooling

Incorporate cooling for a total solution that provides all year round comfort.

#### Quick and easy installation

As the heat pump indoor unit and gas condensing boiler are delivered as separate units, they are easier to handle, operate and install.

#### Investment benefits

- Combines with existing radiators; reducing the cost and disruption of installations
- Coverage of heat loads up to 27 kW makes this unit ideal for renovation applications
- Possible to connect to photovoltaïc solar panels to optimise self-consumption of the electiricy produced



# **▼** Energy efficiency

#### The ideal combination

Depending on the outdoor temperature, energy prices and the internal heat load, the Daikin Altherma Hybrid heat pump smartly chooses between the heat pump and/or the gas boiler, possibly in simultaneous operation, and always selects the most economic operation mode.

#### Supported by renewable energy

When working in heat pump mode, the system is powered by renewable energy extracted from the air and can achieve up to **A++ energy efficiency**.

# Hot water produced with gas condensing technology

Unique dual heat exchanger increases efficiency up to 15% compared to traditional gas boilers.

- Cold tap water flows directly into the heat exchanger
- Optimal and continuous condensing of the flue gases during domestic hot water preparation



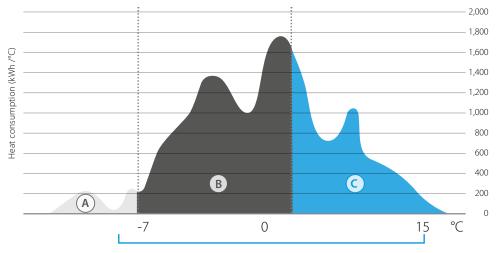
# Reliability

- Low investment cost with no need to replace existing piping and radiators
- > Low running costs for heating and domestic hot water
- > Compact dimensions
- > Ideal for renovation applications
- > Easy and fast installation



Replacing a gas boiler with a Daikin Altherma Hybrid heat pump means saving on running costs for both space heating and domestic hot water supply.

A running costs comparison is made below based on parameters for a typical Belgian winter. As a result of the Hybrid principle, the most cost-efficient operation will be used no matter the ambient outdoor temperature.



- A 100% use of gas boiler
- B Heat pump + gas boiler
- C 100% use of heat pump

+35% efficiency (space heating) compared to existing condensing gas boiler

	Daikin altherma Hybrid heat pump	New gas condensing boiler	Existing gas condensing boiler
		Space heating	
Energy supplied by HP	12,800 kWh		
HP efficiency	3.64 Scop		
Energy supplied by gas boiler	6,700 kWh	19,500 kWh	19,500 kWh
Space heating efficiency	90%	90%	75%
Running costs	1,220€	1,520€	1,820€
		DHW HEATING	
Energy supplied by gas boiler*	3,000 kWh	3,000 kWh	3,000 kWh
DHW heating efficiency*	90%	80%	65%
Running costs*	230€	260 €	320 €
		TOTAL	
Running costs	1,450€	1,780€	2,140 €

#### **Conditions**

Heat load	16 kW
Design temperature	-8 ℃
Space heating off temperature	16 ℃
Maximum water temperature	60 ℃
Minimum water temperature	38 ℃
Gas price	0.070 €/kWh
Electricity price (day)	0.237 €/kWh
Electricity price (night)	0.152 €/kWh
Total space heating requirement	19,500 kWh
Total DHW heating requirement (4 persons)	3,000 kWh

<sup>\*</sup> for combi-boiler, no separate domestic hot water tank



# Yearly savings: for space heating and domestic hot water

-19% versus new gas condensing boiler

330 €/year

versus existing gas condensing boiler

690 €/year



# Daikin Altherma R Hybrid

# **Hybrid** technology combining condensing **gas** and air to water heat pump for heating and hot water

- > Heating only + heating and cooling models
- > Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma Hybrid heat pump always selects the most economical mode to operate
- > Low investment cost: no need to replace the existing radiators (up to 80  $^{\circ}\text{C}$ ) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- > Easy and fast installation thanks to the compact dimensions and quick interconnections





More details and final information can be found by scanning or clicking the QR codes.













FHYHBH-AV32





EVLQ-CV3

Efficiency data					EHYHBH05AV32 + EVLQ05CV3	EHYHBH08AV32 + EVLQ08CV3	EHYHBX08AV3 + EVLQ08CV3
Space heating	Average climat	e General	SCOP		3.28	3.24	3.29
	water outlet		ns (Seasonal space	%	128	127	129
	55 °C		heating efficiency)				
			Seasonal space heating eff	class		A++	
Domestic hot	General	Declared I	load profile			XL	
water heating	Average	ŋwh (water	r heating efficiency)	%		83.80	
	climate	Water hea	ting energy efficiency cl	ass		A	
	Nom.			kW	4.40 (1)/4.03 (2)	7.40 (1)/6.89 (2)	7.40 (1)/6.89 (2)
Cooling capacity	Nom.			kW		-	6.86 (1)/5.36 (2)
Power input	Heating	Nom.		kW	0.870 (1)/1.13 (2)	1.66 (1)/2.01 (2)	1.66 (1)/2.01 (2)
	Cooling	Nom.		kW		-	2.01 (1)/2.34 (2)
COP					5.04 (1)/3.58 (2)	4.45 (1)/3.42 (2)	4.45 (1)/3.42 (2)
EER						-	3.42 (1)/2.29 (2)

Indoor unit (Hydrob	ox & Boiler)				EHYHBH05AV32	EHYHBH08AV32	EHYHBX08AV3	EHYKOMB33AA2	EHYKOMB33AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW		-		6.20/7.60/7.6	0/22.10/27/27
	Output Pn at 80/60 °C	Min/Nom		kW		-		6.70/8.20/8.20/2	1.80/26.60/26.60
	Efficiency	Net calorific	value	%		-		98/	107
	Operation range	Min/Max		°C		-		15/	/80
Domestic hot water	Output	Min/Nom		kW		-		7.60/	32.70
	Water flow	Rate	Nom	l/min		-		9/	15
	Operation range	Min/Max		°C		-		40	/65
Gas	Connection			mm		-		1	5
	Consumption (G20)	Min/Max		m³/h		-		0.78	/3.39
	Consumption (G25)	Min/Max		m³/h		-		0.90	/3.93
	Consumption (G31)	Min/Max		m³/h		-		0.30	/1.29
Supply air	Connection			mm		-		10	00
	Concentric					-			1
Flue gas	Connection			mm		-		6	0
Casing	Colour					White		White -	RAL9010
	Material					Precoated sheet metal		Precoated	sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm		902x450x164		710x45	50x240
Weight	Unit	Empty		kg	30	31.	20	3	6
Power supply	Phase/Frequ	iency/Voltag	je	Hz/V		-		1~/5	0/230
Electrical power	Max.			W		-		5	5
consumption	Standby			W		-			2
Operation range	Heating	Ambient	Min. ~ Max.	°C		-25 ~ 25			-
		Water side	Min. ~ Max.	°C		25 ~ 55			-
	Cooling	Ambient	Min. ~ Max.	°CDB		~ -	10 ~ 43		-
	-	Water side	Min. ~ Max.	°C		~ -	5 ~ 22		-

Outdoor unit				EVLQ05CV3	EVLQ08CV3
Dimensions	Unit	HeightxWidthxDepth	mm	735x8	32x307
Weight	Unit		kg	54	56
Compressor	Quantity				1
	Туре			Hermetically seale	d swing compressor
Operation range	Heating	Min. ~ Max.	°CWB	-25	~ 25
Refrigerant	Type			R-4	110A
	GWP			2,	088
	Charge		kg	1.50	1.60
	Charge		TCO₂Eq	3	3.30
	GWP			2,1	088
Sound power level	Heating	Nom.	dBA	61	62
Sound pressure level	Heating	Nom.	dBA	48	49
Power supply	Name/Phase/Frequenc	y/Voltage	Hz/V	V3/1 ~	/50/230
Current	Recommended fuses	-	Α	16	20

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C) (2) Condition: Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C) (3) Cooling Ta 35 °C - LWE 18 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C). (4) Cooling Ta 35 °C - LWE 7 °C (DT = 5 °C); heating Ta DB/WB 7 °C/6 °C - LWC 45 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

# Daikin Altherma R Hybrid

+ multi



The Daikin Altherma Hybrid heat pump can also be combined with an air-to-air multi system to provide optimal cooling. Easily installed and managed via an app on a smartphone or tablet, the Daikin Altherma Hybrid heat pump + multi is an all-in-one system for heating, cooling and hot water purposes.



Multi features

oxdot Equipped with Bluevolution technology

 ${\color{red} { \begin{tabular}{l} \$ 

Combinable with different Split & Sky Air indoor units:

One port can be used for hot water production

Control with Onecta App





	СНҮНВН-А	CTXA-AW/RS/RT/RR			FTXA-AW/RS/	RT/RR					ž	FLXJ-AW/5/B			CTXM-R				FTXM-R						FTXP-M9		CVXM-A		FVXM-A			FVXM-F			ECAG-R	2			FFA-A9				FBA-A9				FDXM-F9				•	FNA-A9			9	בא-אווי
	05 0	3 15	5 2	0 2	5	35	42	50	20	2	5 3	5 4	2 5	50	15	20	25	35	42	2 5	0 6	0 7	71 :	20	25	35	20	25	35	50	25	35	50	35	5 50	0 6	0 2	5 3	5 5	0	60	35	50	6	0 2	5	35	50	60	25	35	50	60	35	5 5	0 6
3MXM52A	•	•	•	•	•	•	•	•	•	•		•		•	•	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•	•	•	•		-	•	•	•		•	•		•	•	•	•		•	•	•		•	•	
3MXM68A	•	•	•		•	•	•	•	•	•		•		•	•	•	•	•	•	•	•	•		•	•	•					•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
4MXM68A	•	•	•		•	•	•	•	•	•		•	•	•	•	•	•	•	•		•	•	T								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
4MXM80A	•	•	•		•	•	•	•	•	•			•	•	•	•	•	•	•		•	•	•								•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	,
5MXM90A	•	•	•		•	•	•	•	•	•		•		•	•	•	•	•	•			•	•								•	•	•	•	•	•	•		•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	,

More details and final information can be found by scanning or clicking the QR codes.







EHYKOMB-AA3

Efficiency data					CHYHBH05AV32 /3MXM52A	CHYHBH05AV32 /3MXM68A	CHYHBH05AV32 /4MXM68A	CHYHBH05AV32 /4MXM80A	CHYHBH08AV32 /4MXM80A	CHYHBH05AV32 /5MXM90A	CHYHBH08AV32 /5MXM590A
Heating capacity	Nom.			kW	4.41 (1)		4.50 (1)		6.78 (1)	4.50 (1)	6.78 (1)
COP					4.49 (1)	3.9	1 (1)	4.04 (1)	4.17 (1)	4.04 (1)	4.17 (1)
Pump								51.80 (1)			
Seasonal efficiency	Domestic hot	General	Declared load p	rofile				XL			
<b>♣</b>	water heating	Average climate	ηwh (water heating efficiency)	%				96			
Water heating energy	y efficiency class							Α			
(1) DB/WB 7°C/6°C - LW	'C 35°C (DT=5°C), boi	ler bypassed									

Indoor Unit (Hyd	drobox)			CHYHBH05AV32	CHYHBH08AV32
Casing	Colour			Wi	nite
	Material			Precoated	sheet metal
Dimensions	Unit	HeightxWidthxDepth	mm	902x4	50x164
Weight	Unit		ka	3	50

Operation range	Heating	Ambient	Min. ~ Max.	°C	-15 ~ 24
		Water side	Min. ~ Max.	°C	25 ~ 50
Indoor unit (Boiler)					EHYKOMB33AA2/AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.20/7.60/7.60/22.10/27/27
	Output Pn at 80/60°C	Min/Nom		kW	6.70/8.20/8.20/21.80/26.60/26.60
	Efficiency	Net calorific	value	%	98/107
	Operation range	Min/Max		°C	15/80
Domestic hot water	Output	Min/Nom		kW	7.60/32.70
	Water flow	Rate	Nom	l/min	9/15
	Operation range	Min/Max		°C	40/65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m³/h	0.78/3.39
	Consumption (G25)	Min/Max		m³/h	0.90/3.93
	Consumption (G31)	Min/Max		m³/h	0.30/1.29
Supply air	Connection	1		mm	100
	Concentric				1
Flue gas	Connection	1		mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDept	h Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Freq	uency/Voltag	je	Hz/V	1~/50/230
Electrical power	Max.			W	55
consumption	Standby			W	2

This product contains fluorinated greenhouse gases.

# **Options**

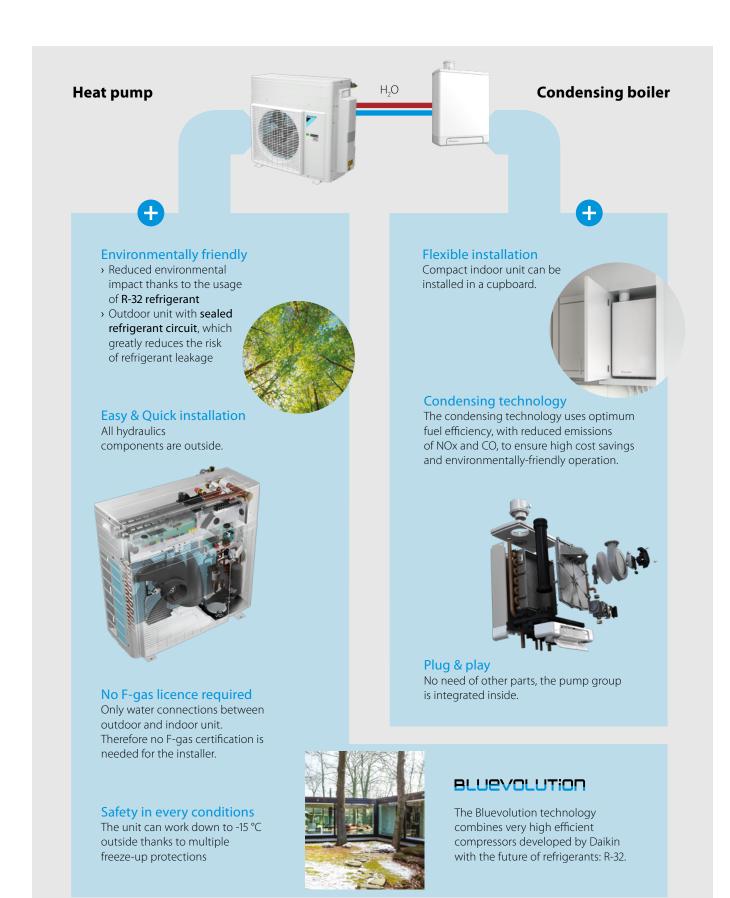
		Туре	Material name
	- 14	LAN adapter	BRP069A62
		LAN adapter + PV solar connection	BRP069A61
		Remote user interface (DE, FR, NL, IT)	EKRUCBL1
		Remote user interface (EN, ES, EL, PT)	EKRUCBL3
		Remote user interface (EN, SV, NO, FI)	EKRUCBL2
		Remote user interface (EN, TR, PL, RO)	EKRUCBL4
		Remote user interface (DE, CS, SL, SK)	EKRUCBL5
		Remote user interface (EN, HR, HU, BG)	EKRUCBL6
Controllers		Remote user interface (EN, DE, RU, DA)	EKRUCBL7
		Simplified user interface	EKRUCBSB
	-:-	Room thermostat (wired)	EKRTWA
		Room thermostat (wireless)	EKRTRB
		Heat meter (EHYHBH* only)	K.HEATMET
		DCOM gateway	DCOM-LT/IO
		DCOM gateway	DCOM-LT/MB
Drain		Drain pan for reversible H/B	EKHYDP1
Installation		Cover plate 35	EKHY093467
		Installation jig	EKHYMNT1
Sensor		External sensor	EKRTETS
Valve		Valve kit for connection to 3rd party tank with built-in thermotat	EKHY3PART2
10.40		Valve kit for connection to 3rd party tank with sensor pocket	EKHY3PART
Propane set		Propane set	EKHY075787

Гуре	Material nan
Adapter Flex-Fixed PP 100	EKFGP6316
Adapter Flex-Fixed PP 130	EKFGS0252
Chimney Connection 60/100	EKFGP4678
Chimney Connection 60/100	EKFGP4678 EKFGP4828
Chimney Connection 80/125 Chimney Connection 60/10 Air Intake Dn. 80 C83	EKFGV1101
Chimney Top PP 100 incl. Flue Pipe	EKFGP5497
Chimney Top PP 130 incl. Flue Pipe	EKFGP5197
Concentric connection Ø 80/125	EKHY090717
Connector Flex-Flex PP 100	EKFGP6325
Connector Flex-Flex PP 130	EKFGP6366
Connector Flex-Flex PP 80	EKFGP6324
Connection set 60/10-60 Flue/Air intake Dn. 80 C53	EKFGV1102
Eccentric connnection Ø 80	EKHY090707
Elbow PP/ALU 80/125 90°	EKFGP4810
Elbow PP/GLV 60/100 30°	EKFGP4664
Elbow PP/GLV 60/100 45°	EKFGP4661
Elbow PP/GLV 60/100 90°	EKFGP4660
Elbow PP/GLV 80/125 30°	EKFGP4814
Elbow PP MB-AIR 80 90° Elbow PP BM-AIR 80 45°	EKFGW4085
Extension Flex PP 100 I=10 M	EKFGW4086 EKFGP6346
Extension Flex PP 100 I=10 M Extension Flex PP 100 I=15 M	EKFGP6340
Extension Flex PP 100 I=15 M	EKFGP6347
Extension Flex PP 130 I=30 M	EKFGS0250
Extension Flex PP 80 I=10 M	EKFGP6340
Extension Flex PP 80 I=15 M	EKFGP6344
Extension Flex PP 80 I=25 M	EKFGP6341
Extension Flex PP 80 I=50 M	EKFGP6342
Extension PP 60 x 500	EKFGP5461
Extension PP/GLV 60/100 x 1,000 mm	EKFGP4652
Extension PP/GLV 60/100 x 500 mm	EKFGP4651
Extension PP/GLV 80/125 x 10,000 mm	EKFGP4802
Extension PP/GLV 80/125 x 500 mm	EKFGP4801
Extension P BM-Air 80 x 500	EKFGW4001
Extension P BM-Air 80 x 1,000 Extension P BM-Air 80 x 2,000	EKFGW4002 EKFGW4004
Filling loop set	EKFL1AA
Flex 100-60 + Support Elbow	EKFGP6354
Flex 130-60 + Support Elbow	EKFGS0257
Flex Kit PP Dn.60-80	EKFGP1856
Flex Kit PP Dn.8	EKFGP2520
Flue Deflector 60 (UK Only)	EKFGP1295
Flue gas non-return flap	EKFGF1A
Gas conversion kit from G20 to G25	EKPS076227
Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
Plume Managment Kit 60 (UK Only)	EKFGP1294
PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
PMK Elbow 60 90 (UK Only) PMK Extension 60 I=1,000 incl. breaket (UK Only)	EKFGP1284 EKFGP1286
Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
Spacer PP 80-100	EKFGP6333
Support Breaket Top Inox Dn.100	EKFGP6337
Support Breaket Top Inox Dn.130	EKFGP6353
Tee Flex 100 Boiler Connection set 1	EKFGP6368
Tee Flex 130 Boiler Connection set 1	EKFGP6215
Thermistor recirculator	EKTH2
Wall Bracket Dn.100	EKFGP4481
Wall Bracket Dn.100	EKFGP4631
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
Wall Terminal Kit PP/GLV 60/100	EKFGP2978
Wall Terminal Kit PP/GLV 60/100 Wall Terminal Kit PP/GLV 80/125	EKFGP1292
Wall Terminal Kit PP/GLV 80/125 Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGW6359 EKFGP1299
Wait Terminal Kit low profile PP/GLV 60/100 (OK only)  Weather Slate Flat Alu 60/100	EKFGP1299 EKFGP6940
Weather Slate Flat Alu 60/100 Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
Weather Slate Flat Alu 80/125	EKFGW5333
Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
Elbow PP 60/100 90° + MP Generic	DR90ELBO6010



# Daikin Altherma H Hybrid

# The best of 2 worlds



# Installation possibilities

The Daikin Altherma H Hybrid is made of an outdoor unit of 4 kW



The Daikin Altherma H Hybrid is made of a boiler of 28 or 32 kW



For more domestic hot water production, you can combine the Daikin Altherma H Hybrid with multiple tank options:

#### Pressureless tanks with solar support

Connect your unit to a ECH<sub>2</sub>O thermal store and take advantage of the energy of the sun.



#### Pressurized tanks

Connect your unit with our full range of stainless steel tanks to answer all needs.



EKHWS(P)-D3V3 from 150 LT up to 300 LT

# Controllers

#### EKRUHML1/2

#### Control

- Manage space heating and domestic hot water and among others, booster mode
- User-friendly remote control with contemporary design
- > Easy to use with direct accessibility to all main functions

#### Comfort

- An additional user interface can include a room thermostat in the space to be heated
- Easy commissioning: intuitive interface for advanced menu settings



## Onecta App

The Onecta App is a multifaceted programme that allows customers to control and monitor the status of their heating system.



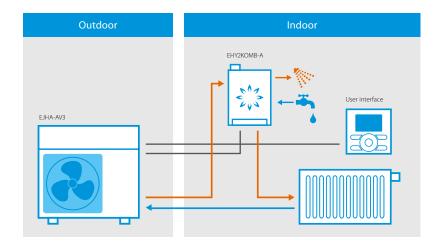


Control your heating system with your voice

# **Applications**

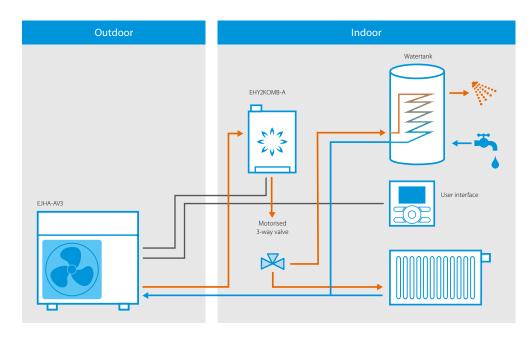
## 1. Standard Hybrid operation

With this application, the system works in a perfect balance between the gas boiler and the heat pump to provide space heating and domestic hot water. Here, the boiler is able to heat directly the water without a tank.



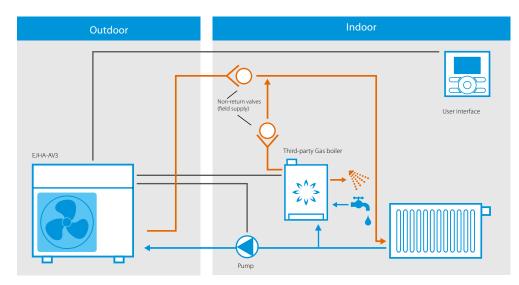
# 1.1 Standard Hybrid operation with a tank

In this application, a domestic hot water tank can be added if the system needs to provide high quantity of domestic hot water produced either by the heat pump or by the boiler.



## 2. Add-on operation

Daikin Altherma H Hybrid outdoor unit can be combined with an existing boiler. In such application, the system works in bivalent operation, meaning that this is strictly the heat pump or the boiler that is providing the required heat while in the standard applications, both can work at the same time.





# Daikin Altherma H Hybrid

Hybrid technology combining condensing gas and air to water heat pump for **heating and hot water** 

- > Heating only models
- Depending on outdoor temperature, energy prices and internal heat load, the Daikin Altherma H Hybrid always selects the most economical mode to operate
- > Low investment cost: no need to replace the existing radiators (up to 80  $^{\circ}\text{C}$ ) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32 kW
- > Easy and fast installation thanks to the compact dimensions and water connections



More details and final information can be found by scanning or clicking the QR codes.







EJHA-AV3









Efficiency data					EHY2KOMB28AA + EJHA04AAV3	EHY2KOMB32AA + EJHA04AAV3	
Heating capacity	Nom.			kW	3.83 (1)	)	
Power input	Heating	ting Nom. kW			0.85 (1)	)	
COP					4.49 (1	)	
outlet 5	Average climate water	General	SCOP		3.26	3.28	
	outlet 55 °C		ns (Seasonal space heating efficiency)	%	128		
			Seasonal space heating eff. class		A++		
	Average climate water General outlet 35 °C		SCOP		4.14	4.15	
			ns (Seasonal space heating efficiency)	%	163		
			Seasonal space heating eff.	class	A++		
Domestic hot	General	Declared lo	oad profile		XL		
water heating	Average climate	ŋwh (water	heating efficiency)	%	87		
<b>~</b>	Water heating energy efficiency class			ss	A		

Indoor unit				EHY2KOMB28AA	EHY2KOMB32AA	
Central heating	Heat input Qn (net calorific value)	Nom Min/Max	kW kW	7.10/23.70	7.60/27	
	Output Pn at 80/60 °C	Nom	kW	23.10	26.60	
	Efficiency	Net calorific value 80/	60 %	98	99	
	Efficiency	Net calorific value 37/30	(30%) %	1	08	
	Operation range	Min/Max	°C	30	0/90	
Domestic hot water	Output	Min/Nom	kW	7.10/29.10	7.60/32.70	
	Water flow	Rate 40/10 °C	l/min	12.50	15	
	Operation range	Min/Max	°C	40	0/65	
Gas	Connection	Diameter	mm		15	
	Consumption (G20)	Min/Max	m³/h	0.74/3.02	0.79/3.39	
	Consumption (G31)	Min/Max	m³/h	0.28/1.15	0.30/1.29	
Supply air	Connection		mm	1	00	
	Concentric				1	
Flue gas	Connection		mm		60	
Casing	Colour			White - RAL9010		
	Material			Precoated	sheet metal	
Dimensions	Unit	HxWxD Casing	mm	650x450x240	710x450x240	
Weight	Unit	Empty	kg	33	36	
Power supply	Phase/Frequency	y/Voltage	Hz/V	1~/!	50/230	
Electrical power	Max.		W	1	110	
consumption	Standby		w		2	

Outdoor unit				EJHA04AAV3
Dimensions	Unit	HxWxD	mm	745x845x329
Weight	Unit		kg	45
Compressor	Quantity			1
	Туре			Hermetically sealed swing compressor
Operation range	Heating	Min. ~ Max.	°CWB	-14 ~ 25
Refrigerant	Туре			R-32
	GWP			675
	Charge		kg	0.56
	Charge		TCO₂Eq	0.38
Sound power level	Heating	Nom.	dBA	58.70
Sound pressure level	Heating	Nom.	dBA	37
Power supply	Name/Phase/Frequency/V	oltage	Hz/V	V3/1 ~ /50/220-240
Current	Recommended fuses		Α	20

(1) Ta DB/WB 7 °C/6 °C - LWC 35 °C (DT = 5 °C). This product contains fluorinated greenhouse gases.

# **Options - system**

Group		Description	Material name	Pair Hybrid	Add-on Hybrid
	Faces	User interface: English – Dutch – Italian – French	EKRUHML1	•	•
		User interface: English – Dutch – Italian – German	EKRUHML2	•	•
		Gateway 1: I/O version	DCOM-LT/IO <sup>(2)</sup>	•	•
		Gateway 2: Modbus version	DCOM-LT/MB <sup>(2)</sup>	•	•
Controllers	LAN + PV Solar	BRP069A61	•	•	
	LAN only	BRP069A62	•	•	
	gillis il	Wired room thermostat	EKRTWA	•	
	1	Wireless room thermostat	EKRTRB	•	
	External room sensor	EKRTETS <sup>(4)</sup>	•		
Sensor		Remote outdoor sensor	EKRSCA1 <sup>(3)</sup>	•	•
	Q	Thermistor kit for pressurised tanks & 3rd party tank	EKTH3	•	
		Bottom plate heater (dedicated type)	EKBPHT04JH	•	•
		Ball valves	EKBALLV1	•	•
Other		Add-on: pump	EKADDONJH		•
		Add-on: cable + 2 non-return valves	EKADDONJH2	•	•
		PC USB cable	EKPCCAB(4)	•	
		Connection kit for 3 <sup>rd</sup> party tank	EKHY3PART	•	
		Connection kit for pressureless tank	EKEPHYHT35H	•	
		Freeze protection valve for field piping	AFVALVEHY2	•	•

<sup>(2)</sup> Compatible with EKRUHML user interface.
(3) Only 1 sensor can be connected: indoor OR outdoor sensor.
(4) Can only be used in combination with the wireless room thermostat EKRTRB.

# **Options - boiler**

Accessory		Sales region	Material name		
		IT, ES, CZ, GR, PL, PT	EKFJM1A	EHY2KOMB28AA	EHY2KOMB32AA
	strawati,	IT, ES, CZ, GR, PL, PT	EKFJL1A		•
		FR, BE	EKFJM2A	•	
	AND THE	FR, BE	EKFJL2A		•
Boiler options		DE	EKFJM6A	•	
		DE	EKFJL6A		•
		IT, ES, CZ, GR, PL, PT	EKVK4A	•	•
	add dr	DE	EKVK6A	•	•
Filling loop set		All	EKFL1A	•	•
Solar water heater connection set (cable + probe sensor)		All	EKSH1A	•	•
Concentric connection Ø 80/125		All	EKHY090717	•	•
Eccentric connection Ø 80		All	EKHY090707	•	•
<b>Dongle set</b> (wireless connection from PC to boiler)		All	EKDS1A	•	•
Cover plates		All	EKCP1A	•	•
Corc. plates		All	EKHY093467 <sup>(1)</sup>	•	•
Propane sets (G31)		All	EKHY075787		•
., ,		All	EKPS075867	•	
Conversion kits (G25)		DE, BE, FR	EKPS076217	•	
		DE, BE, FR	EKPS076227		•

<sup>(1)</sup> Cannot be used in combination with B-packs.

Hare day connections Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch Ch	apter Flex-Fixed PP 100 apter Flex-Fixed PP 130 apter Flex-Fixed PP 130 apter Flex-Fixed PP 130 apter Flex-Fixed PP 130 apter Flex-Fixed PP 130 apper Source Flex-Fixed PP 130 apper Sourc	EKFGP6316  EKFGS0252  EKFGP4678  EKFGP4678  EKFGP4678  EKFGP4828  EKFGP1101  EKFGP5197  EKFGP5197  EKFGP6325  EKFGP6325  EKFGP63266  EKFGP6324  EKFGV1102  EKHY090707  EKFGP4810  EKFGP4864
Here das connections Ch Ch Ch Ch Ch Ch Co Co Co Co Co Ecc Elb Elb Elb Elb Elb Elb Elb Elb Elb Elb	mney Connection 60/100  mney Connection 60/100  mney Connection 80/125  mney Connection 60/10 Air Intake Dn. 80 C83  mney Top PP 100 incl. Flue Pipe  mney Top PP 130 incl. Flue Pipe  ncentric connection Ø 80/125  nnector Flex-Flex PP 100  nnector Flex-Flex PP 130  nnector Flex-Flex PP 80  nnection set 60/10-60 Flue/Air intake Dn. 80 C53  entric connnection Ø 80  pw PP/ALU 80/125 90°  pw PP/GLV 60/100 30°	EKFGP4678  EKFGP4678  EKFGP4678  EKFGP4678  EKFGP4828  EKFGV1101  EKFGP5497  EKFGP5197  EKHY090717  EKFGP6325  EKFGP6326  EKFGP6324  EKFGV1102  EKHY090707  EKFGP4810
Hare das connections Ch Ch Ch Ch Ch Co Co Co Co Co Co Co Co Co Co Co Co Co	mney Connection 60/100  mney Connection 80/125  mney Connection 60/10 Air Intake Dn. 80 C83  mney Top PP 100 incl. Flue Pipe  mney Top PP 130 incl. Flue Pipe  ncentric connection Ø 80/125  nnector Flex-Flex PP 100  nnector Flex-Flex PP 130  nnector Flex-Flex PP 80  nnector set 60/10-60 Flue/Air intake Dn. 80 C53  entric connnection Ø 80  ow PP/ALU 80/125 90°  ow PP/GLV 60/100 30°	EKFGP4678  EKFGP4828  EKFGV1101  EKFGP5497  EKFGP5197  EKHY090717  EKFGP6325  EKFGP6324  EKFGV1102  EKHY090707  EKFGP4810
Here gas connections Ch Ch Ch Co Co Co Co Co Ecc Elbi Elbi Elbi Elbi Elbi Elbi Elbi Elbi	mney Connection 80/125  mney Connection 60/10 Air Intake Dn. 80 C83  mney Top PP 100 incl. Flue Pipe  mney Top PP 130 incl. Flue Pipe  ncentric connection Ø 80/125  nnector Flex-Flex PP 100  nnector Flex-Flex PP 130  nnector Flex-Flex PP 80  nnector set 60/10-60 Flue/Air intake Dn. 80 C53  entric connnection Ø 80  pw PP/ALU 80/125 90°  pw PP/GLV 60/100 30°	EKFGP4828  EKFGV1101  EKFGP5497  EKFGP5197  EKHY090717  EKFGP6325  EKFGP6326  EKFGP6324  EKFGV1102  EKHY090707  EKFGP4810
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Hue gas connections rya	ow PP/ALU 80/125 90° ow PP/GLV 60/100 30°	EKFGP4810
Figure 19 Per 19	ow PP/GLV 60/100 30°	
Hue gas connections training t		EVEC DA66A
Hue gas connections Fixt  Ext  Ext	ow PP/GLV 60/100 45°	EN GF 4004
Fixt Councections  Line gas councections  Lin		EKFGP4661
Fixe gas connections tx3 connections tx4 conne	ow PP/GLV 60/100 90°	EKFGP4660
Hine day connections  Ext  Ext  Ext  Ext  Ext  Ext	ow PP/GLV 80/125 30°	EKFGP4814
Ext Ext	ow PP MB-AIR 80 90°	EKFGW4085
Ext	ow PP BM-AIR 80 45°	EKFGW4086
Ext	ension Flex PP 100 I=10 M	EKFGP6346
Ext	ension Flex PP 100 I=15 M	EKFGP6349
Ext	ension Flex PP 100 I=25 M	EKFGP6347
	ension Flex PP 130 I=30 M	EKFGS0250
Ext	ension Flex PP 80 I=10 M	EKFGP6340
	ension Flex PP 80 I=15 M	EKFGP6344
Ext	ension Flex PP 80 I=25 M	EKFGP6341
Ext	ension Flex PP 80 I=50 M	EKFGP6342
Ext	ension PP 60 x 500	EKFGP5461
Ext	ension PP/GLV 60/100 x 1,000 mm	EKFGP4652
Ext	ension PP/GLV 60/100 x 500 mm	EKFGP4651
Ext	ension PP/GLV 80/125 x 10,000 mm	EKFGP4802
Ext	ension PP/GLV 80/125 x 500 mm	EKFGP4801
Ext	ension P BM-Air 80 x 500	EKFGW4001
Ext	ension P BM-Air 80 x 1,000	EKFGW4002
Ext	ension P BM-Air 80 x 2,000	EKFGW4004
Filli	ng loop set	EKFL1AA
Fle	( 100-60 + Support Elbow	EKFGP6354
Fle	x 130-60 + Support Elbow	EKFGS0257
Fle	x Kit PP Dn.60-80	EKFGP1856
Fle	k Kit PP Dn.8	EKFGP2520
Flu	e Deflector 60 (UK Only)	EKFGP1295
Flu		EKFGF1A

1	Гуре	Material name
	Inspection Elbow Plus PP/ALU 80/125 90° EPDM	EKFGP4820
	Meas. Tee with Inspection Panel PP/GLV 60/100	EKFGP4667
	Plume Managment Kit 60 (UK Only)	EKFGP1294
	PMK Elbow 60 45° (2 pcs) (UK Only)	EKFGP1285
	PMK Elbow 60 90 (UK Only)	EKFGP1284
	PMK Extension 60 l=1,000 incl. breaket (UK Only)	EKFGP1286
	Roof Terminal PP/GLV 60/100 AR460	EKFGP6837
	Roof Terminal PP/GLV 80/125 AR300 Ral-9011	EKFGP6864
	Spacer PP 80-100	EKFGP6333
	Support Breaket Top Inox Dn.100	EKFGP6337
	Support Breaket Top Inox Dn.130	EKFGP6353
	Tee Flex 100 Boiler Connection set 1	EKFGP6368
	Tee Flex 130 Boiler Connection set 1	EKFGP6215
	Thermistor recirculator	EKTH2
	Wall Bracket Dn.100	EKFGP4481
	Wall Bracket Dn.100	EKFGP4631
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP1293
	Wall Terminal Kit low profile PP/GLV 60/100	EKFGP297 7
	Wall Terminal Kit PP/GLV 60/100	EKFGP2978
	Wall Terminal Kit PP/GLV 60/100	EKFGP1292
	Wall Terminal Kit PP/GLV 80/125	EKFGW6359
	Wall Terminal Kit low profile PP/GLV 60/100 (UK only)	EKFGP1299
	Weather Slate Flat Alu 60/100	EKFGP6940
	Weather Slate Flat Alu 60/100 0°-15°	EKFGP1296
	Weather Slate Flat Alu 80/125	EKFGW5333
	Weather Slate Flat Alu 80/125 0°-15°	EKFGP1297
	Weather Slate Steep Pb/GLV 60/100 18°-22°	EKFGS0518
	Weather Slate Steep Pb/GLV 60/100 23°-27°	EKFGS0519
	Weather Slate Steep Pb/GLV 60/100 43°-47°	EKFGS0523
	Weather Slate Steep Pb/GLV 60/100 48°-52°	EKFGS0524
	Weather Slate Steep Pb/GLV 60/100 53°-57°	EKFGS0525
	Weather Slate Steep Pb/GLV 80/125 18°-22°	EKFGT6300
	Weather Slate Steep Pb/GLV 80/125 23°-27°	EKFGT6301
	Weather Slate Steep Pb/GLV 80/125 43°-47°	EKFGT6305
	Weather Slate Steep Pb/GLV 80/125 48°-52°	EKFGT6306
	Weather Slate Steep Pb/GLV 80/125 53°-57°	EKFGT6307
	Weather Slate Steep PF 60/100 25°-45°	EKFGP7910
	Weather Slate Steep PF 80/125 25°-45° Ral-9011	EKFGP7909
	Elbow PP 60/100 90° + MP Generic	DR90ELBO60100AA
	Wall term Mugro STD 60/100 Telescopic	DRWTERT60100AA

# Boilers

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# Why choose a condensing boiler?

Daikin's gas or oil condensing boilers are the best option for individual that plan to replace an existing boiler with a more energy efficient and cost-saving alternative. Our wall mounted boilers provide end users with reliable performance and efficient heating and hot water.



# Comfort

Daikin's gas condensing boilers deliver the ultimate in comfort. Optimal heating ensures seamless operation to deliver reliable year-round heating, even in extreme weather conditions. Instant hot water is possible with our combi range, but also possible with a separate thermal store featuring the ECH<sub>3</sub>0 tank.



# Energy efficiency

#### Condensing technology

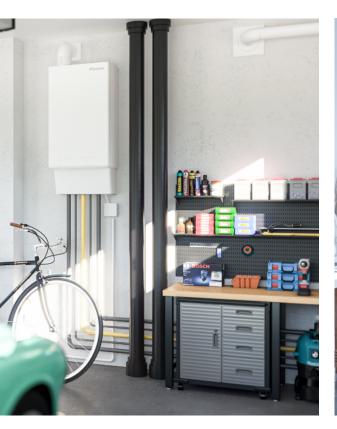
Using latent heat in the flue gas, our condensing technology achieves 109% more energy efficiency by using renewable energy to produce hot water.

#### Condensing technology

Premix Technology incorporates a modulation fan to perfectly combine combustion air and fuel before it reaches the burner (air/gas mixer), to ensure a high efficiency combustion.

With the combustion of 1 m<sup>3</sup> natural gas, 1.7 kg of water vapour is released in the flue gas as latent heat. Instead of being disposed through the flue, the water vapour containing latent heat is then recirculated, and subsequently reheated by a uniquely designed exchanger.

Condensation forms as a result of the water vapour being cooled to a temperature just below dew point, and subsequently drained via a siphon. The condensing technology uses optimum fuel efficiency, with reduced emissions of NO, and CO, to ensure high cost savings and environmentally-friendly operation.







#### Easy installation and service

All parts are accessible from the front and are low maintenance. The flue gas installation can be adapted to all kinds of configuration thanks to its flexibility.

#### **Energy waste** → Flue gas 93% efficiency 109% efficiency Conventional combi boilers: Condensing combi boilers: the flue gas collides with influent Water vapour is discharged through the flue in vaporising water before being discharged. Due to this occurrence, latent phase and latent heat within the water vapour is ignored. heat within the water vapour energy-efficient solution is then released.

# Daikin Altherma 3 C Gas (D2C/TND\*)

Wall mounted gas condensing boiler



# Why choose the Daikin gas condensing boiler?

#### Low weight

27 kg

#### Connectivity/Cloud Service

Always in control, no matter where you are.

#### Easy installation and service

All parts are accessible from the front. The gas-adaptive combustion system (Lambda Gx) means lower maintenance and installation time in a minimalist space. The Lambda Gx is compatible with wall mounted and floor standing units.

#### Solar thermal connection

Usable in combination with solar thermal store (renewable energy)

- > Combi boiler: solar preheating
- > Heating only boiler: solar controller input



#### Most compact

12. 18. 24 kW: 400 x 255 x 580 mm 28, 35 kW: 450 x 288 x 666 mm

#### Flexible in use

Thanks to IPX5D standard and its compact dimensions, it's possible to install in nearly all room conditions, such as kitchen cupboards, bathroom, utility room, heating room, balcony (in-wall kit).

#### Modulation 1:8

Capacity adapts to required heat of 4 to 28 kW and 5 to 35 kW.

#### Daikin eye

Monitor the operating status of your combi boiler with the Daikin Eye.

#### Unique interface

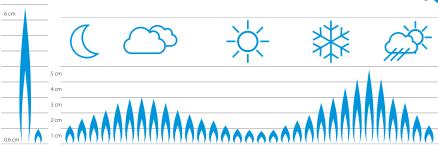
- > Stylish interface appeals to all end-users
- > State-of-the-art technology meets user-friendly design
- > The side details and convex front panel deliver an integrated view



# **✓** High modulation rate

The opportunity to adjust the burner power ensures the seamless and continuous operation of the device. Smooth functioning of the system means increased comfort, a low risk for system failure and the ability to neutralise harmful substance emissions that may occur during ignition. Modulation is also automatically provided

by the electronic control.

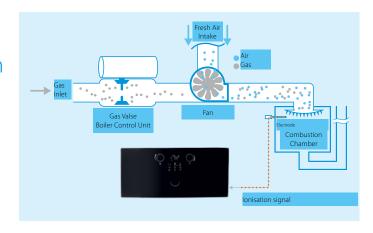






# ✓ Lambda Gx: automatic gas adaptation system

With the Lambda GX, the correct combination of air and gas is regulated to achieve efficient combustion, which leads to higher cost savings and less installation and adjustment effort. With Lambda Gx, you have the advantage that you need no other parts like a gas cover to change from natural gas (NG) to liquid gas (LPG).



# **✓** Daikin Eye

You can monitor the operating status of your combi boiler with the Daikin Eye.



#### Blue

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



#### Red

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.



#### Flue Adapter 60/100

- › Factory mounted
- Compatible with top adapters/elbows of different flue gas manufacturers
- With measurement holes for air and flue gas

#### Heat Exchanger

- › Daikin design
- › Material: Aluminium
- Modulation:12-18-24 kW (1:4 1:6 1:8)28-35 kW (1:4 1:7)

#### **Expansion Vessel**

- › Integrated
- > 12-18-24 kW: 8 liters 28-35 kW: 10 liters

#### **Gas Valve**

- › Less maintenance needed
- › Automatic gas adaptive system
- No additional parts/tools for changing from NG to LPG

#### Domestic Hot Water Plate Heat Exchanger

Increased number of plates to provide

faster hot water production at high efficiency including warm start function.

#### Pump & Return Hydroblock

- > Includes filter and flow restrictor
- › Air vent, drain tap and Internal bypass
- › Low energy pump

#### Fan

- › Wide modulation range
- › Low noise

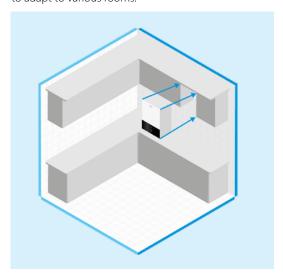


# ✓ Small gas condensing combi boiler

Heating only: 12-18 kW Combi: 28-35 kW Combi: 24 kW 0.06 m 590 mm 690 mm **DESIGN AWARD** reddot award 2018 2018 winner

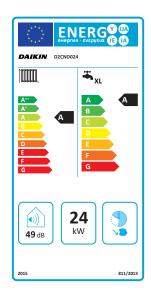
#### Easy installation & maintenance

The small and lightweight combi boiler guarantees fast installation, minimal maintenance and a flexible system to adapt to various rooms.



#### High energy class

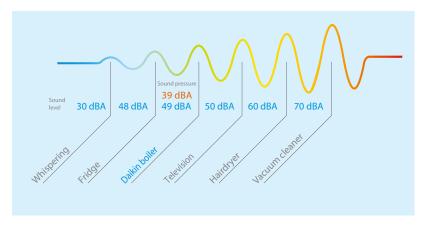
Energy Class A adheres to European ERP Standards.



#### Silence

Sound power: 49 db(A): The sound power is the sound level heard when you are close to the unit. The sound level is similar to a dishwasher operating in an adjacent

Sound Pressure: 39 db(A): The sound pressure is the sound level heard when you are standing 1 meter from the unit. The sound level is akin to the quiet environment of a library.





# Best for your home with compact dimensions



#### Capacity

T-Model: 12-18-24-28-35 kW. C-Model: 24-28-35 kW.



#### Modulation

The device can drop down to 3 kW with a modulation ratio of 1:8. This ensures minimal energy is consumed during start/stop operations.



#### Full condensation

Latent heat from the flue gas is obtained and added to the system, leading to both increased efficiency and energy savings.



#### Comfort mode

The DK combi boiler is designed to provide optimal comfort levels.



#### **Electrical Protection**

Safe combi boiler with a protection class of IP5D.



#### Efficiency

Achieves up to 109% efficiency with full condensation.



#### Frequency controlled pump

The frequency control monitors power consumption to boost efficiency and save energy.



Delivers a very low sound level that reflects the new EU standards.



#### Thermo regulation

The device runs the system based on data obtained from the outside temperature sensor and room thermostat.



#### Compact size

Measuring only 0.06 m<sup>3</sup>, this slim, state-of-the-art design combines power with aesthetics.



#### High energy class

Efficiency class according to EU Ecodesign Lot1 (A).



#### Lambda Gx system

Superior combustion technology delivers unparalleled efficiency and energy savings.



#### **Premix combustion**

Achieves an efficient combustion process by creating the perfect combination of air and gas before it reaches the burner.



#### Lcd display

Eye-catching and user-friendly design.



#### Double heat exchanger

The device uses a Daikin-specific main exchanger equipped with in-house technology and a stainless steel domestic water exchanger.



#### Easy maintenance

Details in design allows for easy maintenance.



#### Onecta App

Control your indoor unit from any location via app (optional LAN adapter).

#### Daikin Altherma 3 C Gas

# Supremely compact gas condensing boiler **providing heating and hot water**

- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping
- > Easy to service: all parts are accessible by only removing the front panel
- > High heating efficiency up to 109%
- > High modulating range 1:8: the capacity is adapted based on the required heat load of the house from 3 to 24 kW and 5 to 35 kW
- > Combine it with solar heating for even better energy efficiency
- C-model: The combi model means that the boiler has a plate heat exchanger to provide instant domestic hot water
- > T-model (tank): The tank model means that the boiler does not have a plate heat exchanger. Domestic hot water is provided by an external storage tank heated by the boiler
- A1 model means that the filling loop is internal
- > A4 model means that the filling loop is external











More details and final information can be found by scanning or clicking the QR codes.







Indoor unit				D2	TND012A4A	TND018A4A	TND024A4A	TND028A4A	TND035A4A	CND024A1A	CND028A4A	CND035A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	2.90/11.20	2.90/17	2.90/23.50	4.80/27	4.80/34	2.90/23.5	4.80/27	4.80/34
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	3.20/12.40	3.20/18.90	3.20/26.10	5.30/30	5.30/37.80	3.20/26.10	5.30/30	5.30/37.80
	Output Pn at 80/60 °C	Min/Nom		kW	2.80/10.90	2.80/16.60	2.80/22.80	4.60/26.30	4.60/33.20	2.80/22.80	4.60/26.30	4.60/33.20
	Output Pnc at 50/30 °C	Min/Nom		kW	3.10/12	3.10/18	3.10/24	5.20/28.20	5.20/35	3.10/24	5.20/28.20	5.20/35
	Water pressure (PMS)	Max		bar				:	3			
	Water Max °C temperature							10	00			
	Efficiency	Net calorif	ic value	%	98.60	98.20	97.90	98	.20	97.90	-	-
	Operation Min/Max °C range							30,	/80	,	,	
	Piping connections							19 (3/4	") Male			
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	2.90/11.20	2.90/17	2.90/23.50	4.80/29.50	4.80/34	2.90/23.50	4.80/29.50	4.80/34
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	3.20/12.40	3.20/18.10	3.20/26.10	5.30/32.70	5.30/37.70	3.20/26.10	5.30/32.70	5.30/37.70
	Domestic hot water threshold L/min				-		2.	50		2		
	Temperature Factory setting °C			50								
Operation Min/Max range				°C	35/60							
Gas	Gas connect	tion diamete	er	mm				19 (3/4	") Male			
	Consumption	n (G20)	Min/Max	m³/h	0.31/1.18	0.31/1.80	0.31/2.48	0.511/2.89	0.511/3.63	0.31/2.48	0.511/2.89	0.511/3.63
	Consumption		Min/Max	m³/h	0.36/1.38	0.36/2.09	0.36/2.89	0.59/3.32	0.59/4.19	0.36/2.89	0.59/3.32	0.59/4.19
	Consumptio		Min/Max	m³/h	0.12/0.46	0.12/	0.69	0.20/1.10	0.20/1.38	0.12/0.96	0.20/1.10	0.20/1.38
Supply air	Connection			mm								
	Concentric				Yes							
Flue gas	Connection			mm								
Space heating	General	efficiency)	al space heating	%								
<u> </u>			pace heating eff. class						A	l	VI	
Domestic hot water heating	General	Declared lo	r heating efficiency)	%			-				XL	83
water neating			r neating efficiency) ing energy efficiency cla		- 84 8 - A						83	
Casing	Colour							Titanium Wh	ite (RAI 9003)			
	Material					Sheet metal			Titanium White (RAL9003)  Powder painted galvanised steel plate		Powder paint steel	
Dimensions	Unit	HeightxWidt x Depth	h Casing	mm	590x400x256			690x440x295		590x400x256 690x440x295		
Weight	Unit	Empty		kg		27		3	36 27			7
Power supply	Phase/Frequ		ge	Hz/V		1 ~ /50/230			1~/50/230		1~/5	0/230
Electrical power	Max.			W		86		92	112	86	92	112
consumption	Standby			W		3.50		2.		3.50		70

# **Options**

Category		Description	Material Nr
		Outdoor sensor	150042
		Solar Temperature Sensor	DRSLRTESENSAA
Controllers		Daikin OT+ room thermostat	DOTROOMTHEAA
		Communication gateway	DRGATEWAYAA
	0.	Cascade Controller (E8.5064 V1)	DRCASCACONTAA
System control - Cascade	0.	Zone Controller (E8.1124)	DRZONECCONTAA
	E-	CoCo OT-CAN Adapter	DRCOCOADPTRAA
	E 528	Lago CAN BUS room thermostat	DRCBROOMTHEAA
		Flow temperature sensor (Cascade)	DRFLWTESENSAA
		Outdoor temperature sensor (Cascade)	DRODRTESENSAA
		Storage Tank Temperature Sensor (Cascade)	DRSTKTESENSAA
Flue gas		Connector Elbow PP 60/100 + MP(0 mm)	DRMEEA60100BA
		Twin Box Adapter 80/80 + MP(0 mm)	DRDECOP8080BA
		Vert. Conn. 60/100-80/125 + MP(0 mm)	DRDECO80125BA
	$\triangleright$	Cover plate (12-18-24 kW)	DRCOVERPLATAA
Mechanical		Cover plate (28-35 kW)	DRCOVERPLA2AA
		Antifreezing set	DRANTIFREEZAB
		Valve Kit C1 - 90° valves	DRVALVEKIC1AA
Vol 120		Valve Kit C2 - 90° valves	DRVALVEKIC2AA
Valve kit		Valve Kit T1 - 90° valves	DRVALVEKIT1AA
		Valve Kit T2 - 90° valves	DRVALVEKIT2AA
		Seperator for mud and magnetit	SAS1 156021
		Seperator for mud and magnetit	IT.DEFANG-TP
Pump Groups & Other		Seperator for mud and magnetit	IT-DEFANG-OT
	9.0 9.0	Unmixed Pump Group	DRUPUMPGRUPAA
	1.1	Mixed Pump Group	DRMPUMPGURPAA
For service		Service box	DRSERVCBOX1AA - 5020177



The new gas condensing boiler D2CNL-A1A integrates what is essential: neat design, ease of use and installation to provide heating and hot water.

## Neat design

The product enjoys the black and white design DNA introduced with the third generation of Daikin Altherma products. Its dimensions and weight make it one of the most compact product of its category.

#### All-in-one comfort

The product provides space heating and instantaneous domestic hot water without tank, both with an A energy label.





## As simple as A+B

The product is really simple to control via its interface. It is also very easy to install and service since all parts are available from the front.



## Daikin Altherma 3 C Gas

# Supremely compact gas condensing wall mounted boiler **providing heating and hot water**

- > Easy to service: all parts are accessible by only removing the front panel
- Very compact unit and flexible in use: possible to install in nearly all room conditions (inside the house as well as outside) thanks to freeze protection for water piping



More details and final information can be found by scanning or clicking the QR codes.



D2CNL-A1A







Indoor unit				D2	CNL024A1A
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	4/23.50
	Heat input Qn (gross calorific value)	Nom	Min/Max	kW	4.40/26.10
	Output Pn at 80/60°C	Min/Nom		kW	3.80/22.80
	Output Pnc at 50/30°C	Min/Nom		kW	4.40/24
	Water pressure (PMS)	Max		bar	3
	Water temperature	Max		°C	100
	Operation range	Min/Max		°C	30/80
Domestic hot water	Heat input (net calorific value) Qnw	Nom	Min/Max	kW	4/25.50
	Heat input (gross calorific value) Qnw	Nom	Min/Max	kW	4.40/28.30
	Domestic hot water threshold			L/min	2.30
	Temperature	Factory setti	ng	°C	50
	Operation range	Min/Max		°C	35/60
Gas	Consumption (G20)	Min/Max		m³/h	0.40/2.50
Supply air	Connection			mm	100
	Concentric				Yes
Flue gas	Connection			mm	60
Space heating	General	Seasonal space heating efficiency class ŋs (Seasonal space heating efficiency)			A
					93
Domestic hot	General Declared load profile		d profile		XL
water heating		Water heatin			А
		ŋwh (water efficiency	heating	%	87
Casing	Colour				Titanium White (Ral9003)
	Material				Powder painted galvanised steel plate
Dimensions	Unit	HxWxD	Casing	mm	590x400x256
Weight	Unit	Empty		kg	27
Power supply	Phase/Frequency/Volta	age		Hz/V	1~/50/230
Electrical power	Max.			w	100
consumption	Standby			w	3

Category		Description	Material Nr
Valve Kit	5 5 5 5	Valve Kit for Combi Boiler	DRVALVEKIC1AA
Wall Rack		Wall Rack for small boilers	DRWALLRACK1AA
Cover Plate	7	Bottom cover plate	DRCOVERPLATAA
		Connector Elbow PP 60/100	DRMEEA60100BA
Flue Gas		Twin Box Adapter 80/80	DRDECOP8080BA
		Vert. Conn. 60/100-80/125	DRDECO80125BA

## Daikin Altherma C Gas W

#### High efficiency gas condensing boiler for heating and hot water

- > High efficiency gas condensing boiler
- > Top efficiency gas condensing boiler thanks to labyrinth fin heat exhanger for improved heat exchange
- > Low running costs for both heating and hot water thanks to new dual heat exchanger
- > Maximum heating comfort and domestic hot water when it is most needed
- > Quick, easy and compact installation thanks to our optional pre-assembled B-pack, containing all auxiliary components

More details and final information can be found by scanning



EKOMB-AH EHOBG-A EHOB-AH [ A+ or clicking the

Indoor unit			EHOB	G12A	G18A	12	AH	18AH	42AH		
Central heating	Heat input Qn (net falorific value)	Nom Min/Max	kW	3.80/12.50	5.60/18.70	0 3.50	/11.80	5.60/18.70	7.80/42.50		
	Heat input Qn (gross falorific value)	Nom Min/Max	kW	4.20/13.90	6.20/20.8	0 3.90	/13.10	6.20/20.80	8.70/47.20		
	Output Pn at 80/60 °C /	Min/Nom	kW	-/12.20	-/18.20	3.40	/11.50	5.40/17.80	7.70/40.90		
	Output Pnc at 1 50/30 °C	Min/Nom	kW		-/-	3.8	0/12	5.90/18.70	8.50/42.20		
	Water pressure (PMS)	Max	bar	3							
	Water temperature 1	Max	°C	90							
	Operation range I	Min/Max	°C	30/90							
Gas	Connection [	Diameter	mm	15							
	Consumption (G20)	Min/Max	m³/h	0.36/1.30	0.58/1.94	1 0.36	/1.22	0.55/1.94	0.81/4.41		
	Consumption (G25)	Min/Max	m³/h	0.42/1.50	0.67/2.25	0.42	/1.42	0.64/2.25	0.94/5.10		
	Consumption (G31)	Min/Max	m³/h	0.14/0.49	0.22/0.74	1 0.14	/0.47	0.21/0.74	0.31/1.68		
upply air	Concentric					60,	100				
lue gas	Connection		mm			$\epsilon$	0				
pace heating		ns (Seasonal space heating efficier			92			91			
<b>*</b>		Seasonal space heating					4				
Casing	Colour			White - RAL9010							
3	Material			Precoated sheet metal							
imensions	Unit	HeightxWidthxDepth Casing	mm		590x450x240						
/eight	Unit E	Empty	kg	590x450x240 710x450x240 30 36							
ower supply	Phase/Frequency/\		Hz/V	1/50/230							
lectrical power	Max.		w			80			135		
onsumption	Standby		w			2			4		
•	· · · · · · · · · · · · · · · · · · ·										
ndoor unit			EKOMB	22AH	28AH	33AH	G22A	G28A	G33A		
entral heating	Heat input Qn (net calorific value)	Nom Min/M	lax kW	5.60/18.70	7.10/23.70	7.20/27.30	5.50/23.30	7.10/29.10	7.60/32.70		
	Heat input Qn (gross calorific value)	Nom Min/N	lax kW	6.20/20.80	7.90/26.30	8/30.30	6.10/25.90	7.90/32.30	8.40/36.30		
	Output Pn at 80/60 °C	Min/Nom	kW	-/17.80	-/22.80	-/26.30	-/22.70	-/28.40	-/32.10		
	Water pressure (PMS)	Max	bar				3				
	Water temperature	Max	°C	90							
Domestic hot water	Heat input (net calorific value) Qn	Nom Min/M	lax kW	5.60/22.10	7.10/28	7.20/32.70	5.50/23.30	7.10/29.10	7.60/32.70		
	Heat input (gross calor value) Qnw	rific Nom Min/N	lax kW	6.20/24.60	7.90/31.10	8/36.30	6.10/25.90	7.90/32.30	8.40/36.30		
	Domestic hot water th	reshold	L/min	2 -							
	Temperature	Factory setting	°C	60							
	Operation range	Min/Max	°C	40/65							
as	Connection	Diameter	mm	15							
	Consumption (G20)	Min/Max	m³/h	0.58/2.29	0.74/2.91	0.75/3.39	0.58/2.42	0.74/3.02	0.79/3.39		
	Consumption (G25)	Min/Max	m³/h	0.67/2.65	0.85/3.26	0.86/3.93	0.62/2.82	0.84/3.46	0.89/3.92		
	Consumption (G31)	Min/Max	m³/h	0.22/0.87	0.28/1.11	0.28/1.29	0.21/0.94	0.29/1.19	0.30/1.29		
upply air	Concentric		,	60/100							
lue gas	Connection		mm								
pace heating	General	ns (Seasonal space heating efficiency)	%	91	92	93	91	92	93		
		Seasonal space hear	ing eff. class				A				

		Seasonal space heating	eff. class	A									
Domestic hot	General	Declared load profile		L XL			L						
water heating		ŋwh (water heating	%	78	8	31	90	83	84				
·		efficiency)											
		Water heating energy efficiency		À									
		class											
Casing	Colour	ır			White - RAL9010								
	Material	aterial			Precoated sheet metal								
Dimensions	Unit	HeightxWidth Casing	mm	590x450x240	650x450x240	710x450x240	590x450x240	650x450x240	710x450x240				
		x Depth											
Weight	Unit	Empty	kg	30	33	36	30	33	36				
Power supply	Phase/Frequency/Voltag	1~/50/230											
Electrical power	Max.		80										
consumption	Standby		W	2									

(1) Setpoint 40 °C (2) Setpoint 60 °C

# **Options**

			Condensing boilers							
	Туре	Material name			EKOMB*				EHOB*	
		name	Combi 22kW TOP Grade	Combi 22kW HIGH Grade	Combi 28kW TOP Grade	Combi 28kW HIGH Grade	Combi 33kW	H/O 12kW	H/O 18 kW	H/O 42kW
C	Rf-wlan converter	EKRFLAN1A	•	•	•	•	•	•	•	•
Controllers	Dongle set	EKDS1A		•	•		•			
Installation	Cover plate 35	EKCP1A	•				•			
ilistaliation	Solar water heater connection set	EKSH1A	•	•	•	•	•	•	•	•
Sensor	Outdoor sensor	EKOSK1A				•				•
	Valve kit (IT, ES, CZ, GR, PL, PT)	EKVK4A	•	•	•	•	•	•	•	•
Valve	Valve kit (DE)	EKVK5A						•	•	
valve	Valve kit (DE)	EKVK6A	•	•	•	•	•			
	Valve kit 3-way	EK3WV1A	•	•	•	•	•	•	•	•
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJS1A	•					•	•	
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJM1A			•	•				
	B-pack for combi (IT, ES, CZ, GR, PL, PT)	EKFJL1A					•			•
	B-pack for combi (FR, BE)	EKFJS2A	•	•						
	B-pack for combi (FR, BE)	EKFJM2A			•	•				
	B-pack for combi (FR, BE)	EKFJL2A					•			•
B-pack	B-pack for combi (UK)	EKFJS3A	•							
	B-pack for combi (UK)	EKFJM3A			•	•				
	B-pack for combi (UK)	EKFJL3A					•			
	B-pack for combi (DE)	EKFJS4A						•	•	
	B-pack for combi (DE)	EKFJS6A	•	•						
	B-pack for combi (DE)	EKFJM6A			•	•				
	B-pack for combi (DE)	EKFJL6A					•			
		EKHY075787	•							
Propane set		EKPS075867				•	•			
Propane set		EKPS075877	•							
		EKPS075917						•		
		EKPS076197						•		
Camuardan sat	Commission		•						•	
Conversion set		EKPS076217		•	•				•	
		EKPS076227		•			•			•
Fl	Flue gas non return flap (flue gas cascade)	EKFGF1A	•	•	•	•	•	•	•	•
Flue gas	Horizontal straight flue terminal (low profile) (UK)	EKFGP1A	•		•		•			
	Concentric connection (Ø 80/125)	EKHY090717								
Others	Eccentric connection (Ø 80)	EKHY090707								
	Adaptor set concentric 60/100	EKAS1A	•	•	•	•	•			•

# Flue-gas evacuation system

# Hybrid heat pump





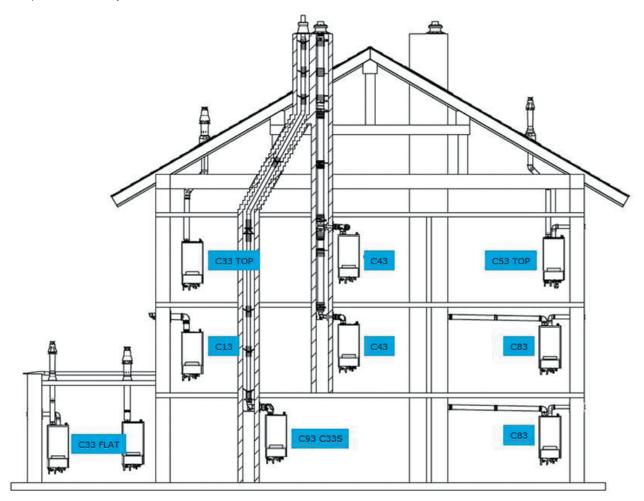
Daikin Altherma Hybrid

# Wall mounted gas condensing boilers



# Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid

Your guarantee of proper operation, especially in terms of the noise level of our heat generators, depends on the use of our own brand of flue-gas evacuation systems. All our condensing gas- and oil-fired boilers are optimized and adjusted for this use.



- **1-8** Variants for Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid
- **CA** Air (combustion) inlet
- **FG** Flue gas
- **RV** Ventilation
- **B**<sub>xx</sub> Type CEN/TR1749:2009 for operation dependent on ambient air **C**<sub>xx</sub> Type CEN/TR1749:2009 for suction operation
- Variant for suction connection (flue gas/concentric air inlet)
- **b** Variant for partial suction connection (flue gas/separated air inlet)
- c Variant for connection dependent on ambient air
- Ventilated vertical flue ducts with fire-resistance duration of 90 minutes (30 minutes for low-rise buildings).
   Respect the locally applicable standards!
- e Ventilation opening (1 x 150 cm<sup>2</sup> or 2 x 75 cm<sup>2</sup>)
- f Ventilation (150 cm<sup>2</sup>)
- > All flue-gas ducts approved for condensing operation can be installed an adapter may be needed
- » Requirements according to EN 14471: Temperature class T 120, pressure class P1, condensate consistence class W, corrosion-resistance class 2



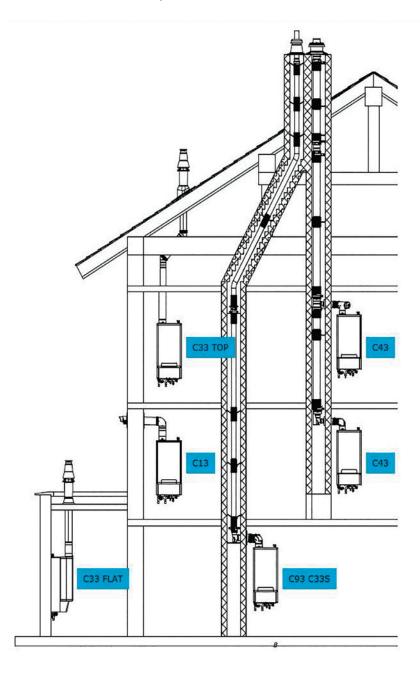
#### Selection tool

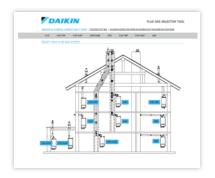
You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

You can also opt to make your selection online using our tool at http://fluegas.daikin.eu

# Overview of Daikin Altherma C Gas W and Daikin Altherma R/H Hybrid





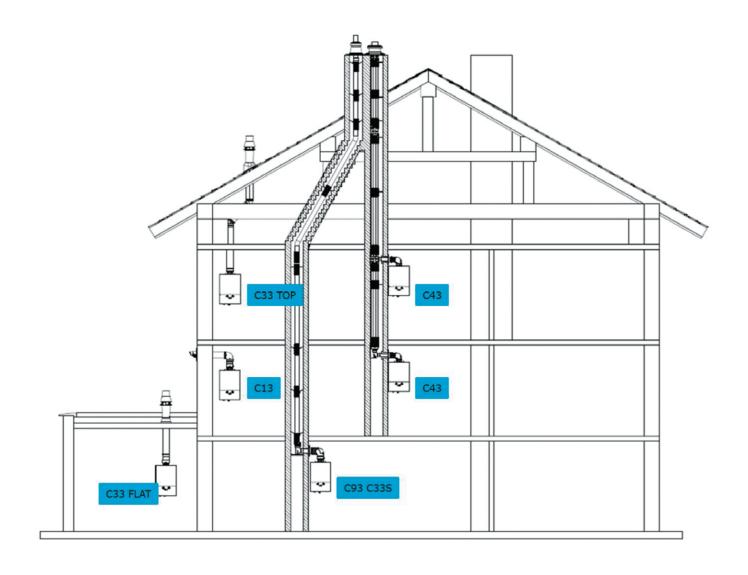
### Selection tool

You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

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You can also opt to make your selection online using our tool at http://fluegas.daikin.eu

#### Overview of Daikin Altherma 3 C Gas W





#### Selection tool

You can determine the optimal solution for your projects using the software for selecting smoke-evacuation accessories.

You can specify suitable flue-gas accessories (obligatory and necessary), depending on the products selected and the installation configurations.

You can also opt to make your selection online using our tool at http://fluegas.daikin.eu



#### **Centralised**

P. 257

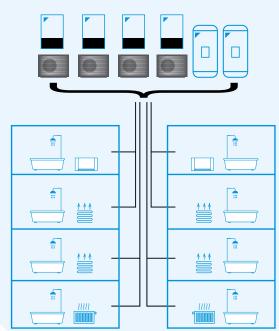
# Daikin solutions for collective buildings

Thanks to a wide range of individual heat pumps, Daikin has always been present in collective buildings with decentralised solutions.

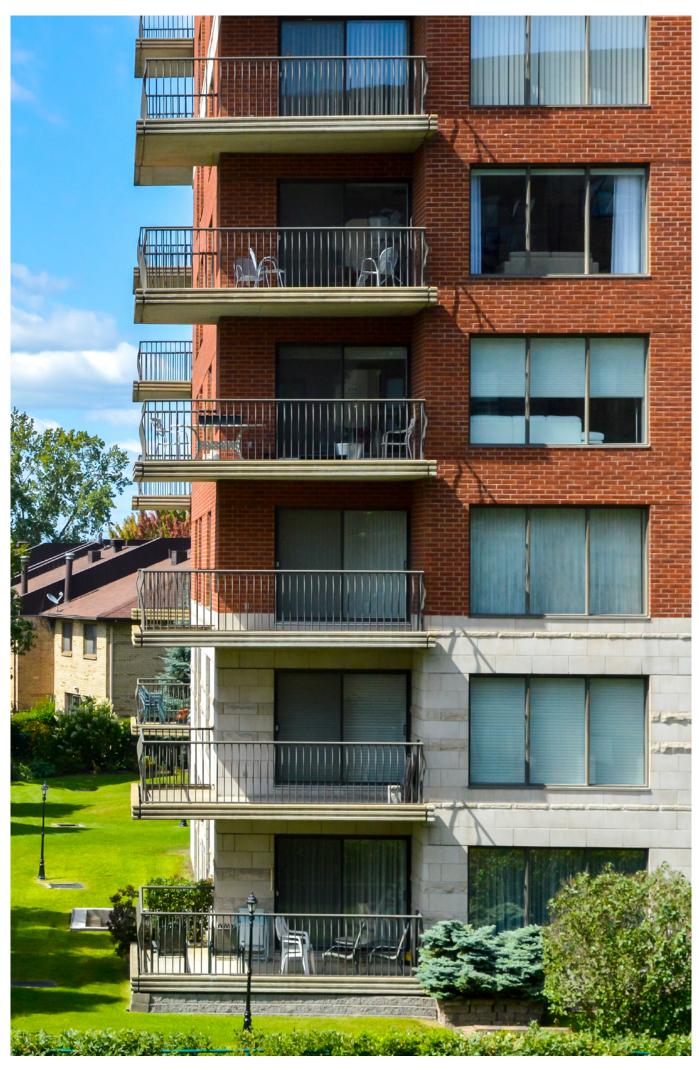
With the long lasting Daikin Altherma Flex Type series, a central solution for hot water production is also part of the portfolio.

Recently, Daikin Altherma 3 WS was launched: a dedicated water loop solution for high-rise buildings.

In that way, Daikin provides multiple flexible solutions for collective buildings.







## Collective solutions

Decentralised solutions	256
Centralised solutions	257
Water loop	258
Daikin Altherma 3 WS	258



Check out our collective solutions on: https://collectivehousing.daikin.eu/ en-GB/high-rise



In a decentralised set-up, each apartment of the building is equipped with an individual heat pump. The end customer has total control over it's system and consumption. The outdoor unit is often installed on the balcony, or on the roof.



## A large choice of Daikin solutions

Thanks to a wide range of heat pumps, Daikin is able to provide multiple solutions decentralised applications in apartments buildings.

In each apartment, an individual product is installed: air-to-water split heat pump, a hybrid heat pump...

It allows the end-user to totally control its energy consumption and answers its needs in the most efficient way, whether it is for space heating, cooling or domestic hot water..

#### Inside the apartment:

In decentralised solutions, only an indoor unit can be found inside the apartment. Usually installed in a technical or utility room, it takes as much as space as other household appliances such as a washing machine.

#### Outside the apartment:

The heat pump outdoor unit can be installed in different locations in order to save as much space as possible.



For example, on a balcony:



Or on the roof:





Centralised applications integrate a central source of energy for heating and hot water. Cascade solution is a type of centralised system in which one outdoor unit supplies energy to multiple apartments. Each apartment still includes an indoor unit as control center.



#### Another purpose for Daikin high capacity heat pumps

In a cascade solution, one larger capacity outdoor unit provides energy to multiple apartments. This larger outdoor unit ranges from 11 to 18 kW class, compared to individual heat pumps up to 8 kW. Each outdoor unit is connected to the other in order to form a central source of energy that it suitable for a total of up to 50 kW. Specific rules apply for the installation of such a system.

#### Applicable units

- Daikin Altherma 3 H HT + wall mounted indoor unit
- Daikin Altherma 3 R + wall mounted indoor unit
- Daikin Altherma 3 M monobloc
- Daikin Altherma Flex HT for DHW production only

#### **Hydrosplit connection**

With Daikin Altherma 3 H HT, you only get water connections to install the outdoor and the indoor units.

The unit is available in class 14, 16 and 18 kW and delivers a LWT up to 70°C, fitting with radiators.

#### Refrigerant connection

Daikin Altherma 3 R refrigerant split unit is available in class 11, 14 and 16 and delivers a LWT under 60°C.

The possibility to run low LWT allows for further energy saving by using underfloor heating or heat pump convectors as heating or cooling emitters.



#### Monobloc

Daikin Altherma 3 M also runs low LWT under 60°C. The monobloc has the extra advantage to save space inside: indeed no indoor unit is necessary if the domestic hot water tank is installed in the communal space.



#### Cascade controller

Daikin provides a universal centralised controller for cascade EKCC8-W to be used in combination with the gateway DCOM-LT/IO.

The DCOM gateway is an interface for the BMS integration. It offers:

- Modbus communication including the compatibility with EKCC8-W for sequencing applications
- Voltage control
- Modbus control

## Water loop solution Daikin Altherma 3 WS



Daikin Altherma 3 WS for Collective Housing provides an innovative approach to reducing the carbon footprint of apartment buildings. Individual heat pumps deliver economical heating, hot water and optional cooling for each apartment connected via a central water loop. So use of renewable energy is optimised and heat losses in distribution are minimised, improving the environmental performance of the apartment building.

The number of people living in urban areas is continuously increasing in the recent years. Multi-family dwellings in Europe are a good portion of the European building stock. Especially if we consider that, in 2018, 46.0 % of the EU-27 population lived in flats. (\*) Therefore, apartment buildings are among the most relevant contributors to the energy consumption and CO<sub>2</sub> emissions of the EU building sector.

As a consequence, the higher demand for living space makes the collective building sector grow in the future cities. Building sector plays a significant role for the energy consumption as it represents 40% of energy used in the EU.

New European Directives are driving the efficiency of modern buildings in order to reach future goals. In this perspective, heat pumps play a key role to achieve these goals not only in single dwellings but also in multi-family apartment buildings. Daikin, the innovation leader for more than 90 years, takes the challenge in multi-family apartment building to apply full renewable solutions based on in-house heat pump technology. From low to high-rise apartment buildings, from individual to centralised heating systems, from retrofit to new built Daikin has the units, the experience and the solution for you.

# Efficiency and environmental performance all in one

## Individual heat pumps connected to a central loop

This innovative system consists of a network of heat pumps connected to a common central water loop. In each apartment is a Daikin Altherma 3 WS unit - a high-efficiency water-to-water heat pump with integrated domestic hot water (DHW) tank.

The heat pump in each apartment works independently, but is connected to a common central water loop to form a communal system. The central water loop must be maintained between +10°C and below +30°C. Thanks to this wide temperature range, the central water loop can be warmed/or cooled via several different means:

- > Ground or air source heat pump
- > Shared ground array, borehole or thermal piles
- > Surface water source such as a river, canal or seawater
- > District heat network
- > Waste heat recovery

This offers the designer full flexibility to select the most appropriate form of renewable energy available to the site: ground, water or air

# Ground Surface Air Source District Water Heat Source Water Heat Pump Heating Recovery

## Low ambient temperatures for minimal heat loss

This highly efficient heat pump network can provide economical heating, hot water and optional cooling for an entire apartment building at relatively low ambient water temperatures.

Compared with the high distribution losses that occur in typical communal heating systems - which lead to overheated buildings and wasted energy - the low ambient loop means that heat losses are reduced by more than 90%. Hence it is a much more economical solution, that reduces the carbon footprint of the entire building.

#### Key system advantages:

- Utilises renewable (or recovered) energy
- Low carbon heat pump solution delivers significant CO<sub>2</sub> reductions over traditiona systems
- Low carbon solution helps reduce carbon offse payments
- Energy centre not required, saving valuable space
- Heating, hot water & cooling via a 2 pipe network offers capital savings over a traditional 4 pipe solution
- Intuitive user controls and internet connectivity as standard
- In-apartment heat pump has integrated back up heater, so heating & hot water is maintained in any eventuality
- Simplified connection with water loop thanks to th embedded pressure independent control, for automatic flow from the heat nump
- Pressure rating of 16 bar (water loop side) to simplify installation in high-rise buuldings: no need of pressure brakers up to 20 floors





#### Optimised for comfort

With a leaving water temperature up to 65°C and high efficiencies, the Daikin Altherma 3 WS is designed to ensure the lowest running costs and highest comfort levels for each apartment.



#### Versatility by design

Daikin Altherma 3 WS is highly versatile and works with various heat emitters, such as radiators, underfloor heating, heat pump convectors or fan coil units for maximum design flexibility.



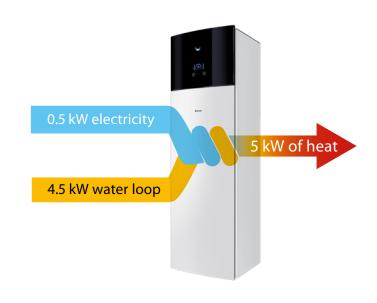
## All in one integrated model

The floor standing indoor unit with integrated DHW tank has a minimal footprint, utilising as little floorspace as possible.



#### Delivering decarbonisation

Compared with a typical Combined Heat & Power (CHP) and boiler system often used in apartments, the Daikin Altherma 3 WS system delivers a reduction in carbon emissions of 143 tonnes.<sup>1</sup>



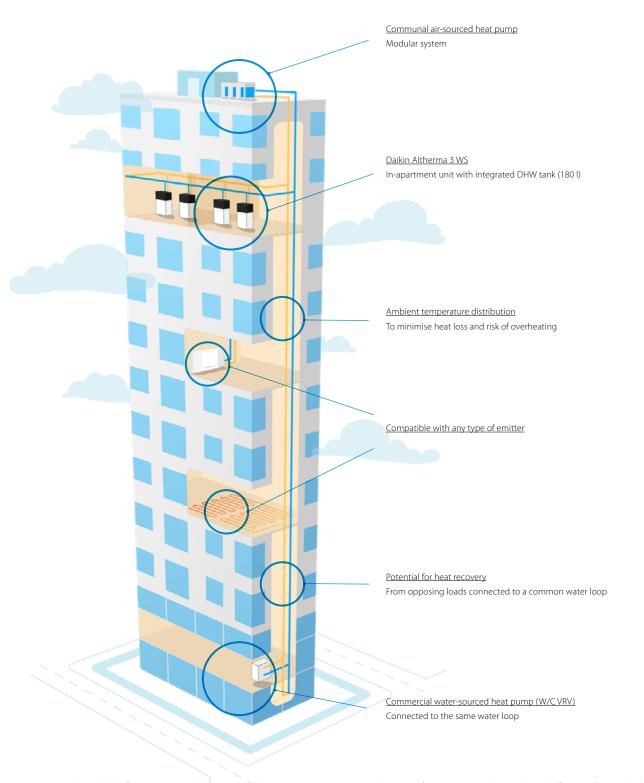


#### Reduction in capital costs

With a low temperature water loop connected to a heat pump chiller on the roof or in the plant rooms, plus a Daikin Altherma 3 WS unit in each apartment linked to Daikin heat pump convectors or fan coil units, the total system will deliver lower carbon emissions compared with a typical heating system. This could reduce a developer's carbon offset payments, so delivering a low carbon heating and cooling system makes both excellent environmental and economic sense.

#### **BLUEVOLUTION**

Heat pump technology reduces carbon emissions compared with any traditional fossil fuel heating system. But the Daikin Altherma 3 WS goes further to reduce the Global Warming Potential (GWP) of system, as it features Daikin's Bluevolution technology which uses R-32 refrigerant. R-32 has a lower GWP than other refrigerants typically used in heat pump systems - and less refrigerant is required too - so it's more environmentally friendly overall.



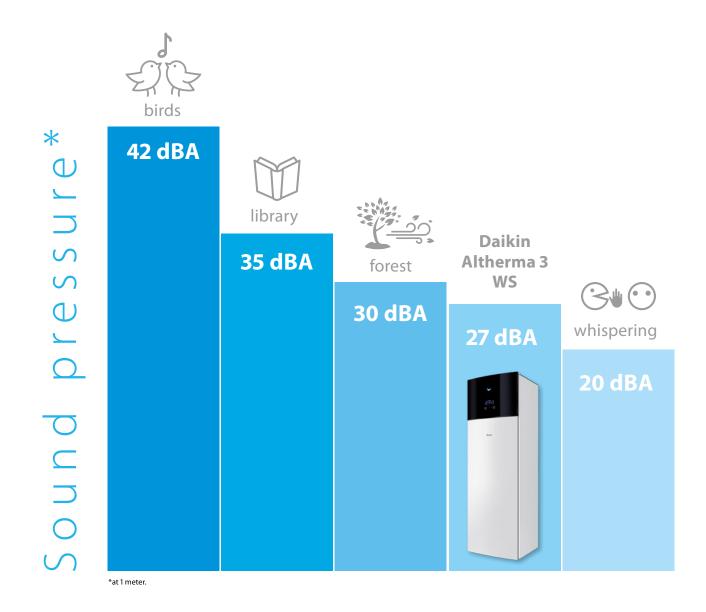
<sup>1</sup> Based on a block of 277 apartments with a Combined Heat & Power (CHP) system and Heat Interface Units (HIU) with CHP thermal efficiency of 48% and electrical efficiency of 32%, 60% CHP / 40% boiler, compared with a Heat Pump with a SCOP of 3.7 based on SAP2012

## Caring for customers' peace of mind

Daikin Altherma 3 WS promises almost silent operation, thanks to a specially designed swing compressor module, which limits vibrations and is sound insulated, to minimise noise levels.



#### Exceptionally quiet operation



Daikin offers a range of control options, so residents can enjoy full control of their heating system, anywhere, at any time.



#### Smart control

Daikin' smart control offers the end user full control of the heating and hot water system, as well as saving money on energy bills, thanks to Daikin's modulating room control logic.

#### Madoka for heating

Increase end user energy savings even further, with the elegant Madoka controller. Madoka ensures a more stable room temperature, by adjusting the water temperatures depending on room temperature requirement, as well as reducing on/off cycling times.



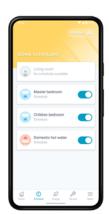


#### Onecta app

The Onecta app is a smart phone app that allows end users to monitor and control their heating system, whenever and wherever they wish.









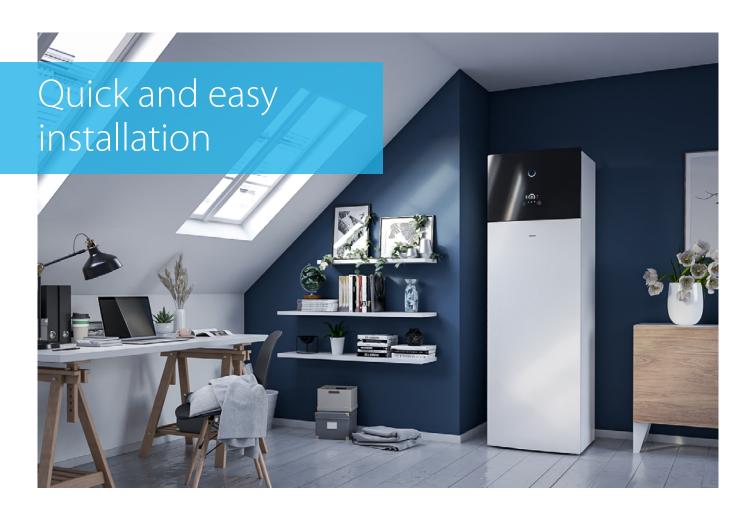
Monitor the status of the heating system



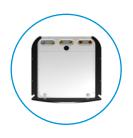
Control the operation mode and set temperature



Schedule the set temperature and operation mode



Each apartment unit consists of a sealed R-32 low GWP heat pump, a highly insulated, integrated DHW tank and an electrical back up heater, so no F-gas qualifications are required to install and service the unit. Installation and servicing are quick and easy too, thanks to a small footprint, factory-fitted piping on top of the unit, and a swappable hydro module.

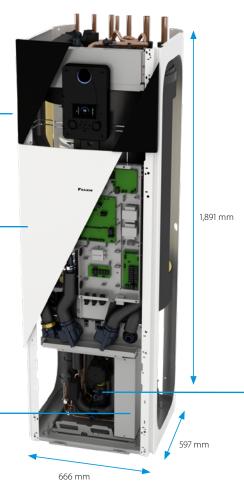


All pipe connections on top, paired in and out

Standard electrical ——connections pre-cabled



Removable compressor module reduces the overall weight by 70 kg



## Intuitive interface

#### The Daikin Eye

The intuitive Daikin Eye shows in real time the status of the system.



#### Blue:

When the Daikin Eye indicates a blue colour, it means the boiler is functioning properly. The Daikin Eye will flash on and off when it's running on stand by mode.



#### Red:

When the Daikin Eye indicates a red colour, it means the boiler is out of commission and requires a maintenance check.



#### Quick to configure

Log in and you'll be able to completely configure the unit via the new user interface in 9 steps. You can even check if the unit is ready for use by running test cycles. You can upload the settings on an USB stick and download it directly into the unit, or via the cloud.

#### Easy operation

Work super-fast with the new user interface. It's easy to use with just a few buttons and two navigational knobs.

#### Beautiful design

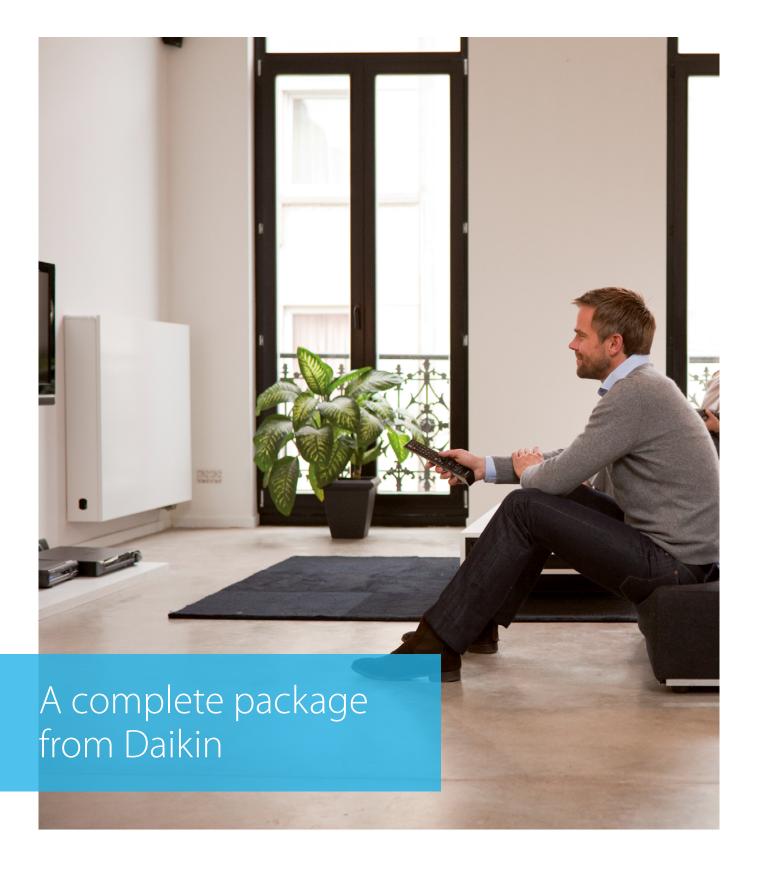
The user interface is especially designed to be very intuitive. The high contrasted colour screen delivers stunning and practical visuals that really help you as installer or service engineer.

Can be installed easily in confined spaces thanks to a small footprint and integrated handles



16 bar pressure rating of all hydraulic components on water loop side, to best fit high-rise buildings

Factory fitted pressure independent control valve for flow regulation from the common water loop (design flow: 9.6 L/min)



The beauty of the Daikin Altherma 3 WS system is that each in-apartment heat pump can connect to a wide variety of heat emitters and controls, all of which can be provided as a complete package by Daikin. This ensures seamless integration and consistency of the heating solution within each apartment.

Similarly, the communal water loop can be powered by range of different heat pump solutions. And once again, Daikin can offer a wide range of water source heat pumps, 2 and 4 pipe air source heat pumps, in an even wider range of configurations, to provide the central energy source for the collective heating system.

So for a highly efficient system that reduces the carbon footprint and offset payments of your apartment building, Daikin has the total solution.



More details and final information can be found by scanning or clicking the QR codes.





EWSAX-D9W

Indoor Unit			/SA	H06D9W	X06D9W
B0/W35	Heating capacity		kW	6.4	
	Power input	Max.	kW	1.6	
	COP			3.8	
V10/W35	Heating capacity		kW	6.	
	Power input	Nom.	kW	1.1	
	COP			5.3	33
W10/W55	Heating capacity		kW	5.4	61
	Power input	Nom.	kW	1.7	72
	COP			3.3	27
W20 / W35	Heating capacity	Nom.	kW	6.	17
	Power input	Nom.	kW	3.0	32
	COP			7.4	19
W20 / W55	Heating capacity	Nom.	kW	6.3	30
	Power input		kW	1.4	
	COP			4.3	
W25 / W35	Heating capacity	Nom.	kW	5.8	
WES / WSS	Power input		kW	0.	
	COP	Nom.	KVV	9.	
W25 / W55	Heating capacity	Nom.	kW	6.3	
423, ¥¥33	Power input		kW	1.3	
	COP	TVOITI.	17.44	4.	
Space heating according to		ns (Coasonal space	%	158	162
Space heating according to EN14825 and EN14511:2018	Average climate Water in 10°C	ns (Seasonal space	70	130	102
LIN14023 d11U EIN14311;2010	Water in 10°C Water out 55°C	heating efficiency)		A+	1.1
	mater out 33 C	Efficiency class			4.24
	Augraga el:	sCOP	%	4.15 253	4.24 260
	Average climate	ns (Seasonal space	%	253	260
	Water in 10°C Water out 35°C	heating efficiency)	_	A.	
	Water out 55 C	Efficiency class	_	A+	
		sCOP		6.51	6.70
Space heating according to real	Average climate Average space %			360	0.4
application conditions	water in 20°C	heating efficiency			
	water out 35 °C (fixed)	Average COP		9.	
Space cooling W30 / W7	Cooling capacity	Nom.	kW	-	5.81
	Power input	Nom.	kW	-	1.38
	EER			-	4.21
Space cooling W30 / W18	Cooling capacity	Nom.	kW	-	6.11
	Power input	Nom.	kW	-	1.21
	EER			-	5.07
Domestic hot water	General	Declared load profile		L	
	Average climate	ŋwh	%	11	5
		Efficiency class		A	+
Casing	Colour			White -	+ Black
	Material			Precoated s	
Dimensions		dthxDepth	nm	1,891x5	
Veight	Unit		kg	22	
Hot water tank	Material			Stainless ste	el (EN 14521)
	Water volume		T	18	
	Insulation Heat loss	kWh/	24h	1.	
	Corrosion protection			Pick	
Operation range	Installation space	Min. ~ Max.	°C	5/:	
	Water inlet	Min. ~ Max.	°C	-10/-	
	Heating Water side		°C	5/0	
		Min. ~ Max.	℃	25/	
	hot water	······ mux.	-	23/	
Refrigerant	Type			R-i	32
.cgeruin	GWP			67	
	Charge		kg	1.7	
		TCO			
M-4I	Charge	TCO		1.7	
Vater loop side	Pressure rating		bar	10	
Design flow rate	Independent control va		min	9.	
Sound power level	Nom.		BA	39	
Sound pressure level at 1 meter	Nom.		BA	27	
Power supply	Name/Phase/Frequency	r/Voltage H	z/V	3 ~ /50/400 c	or 1 ~ /50/230
Current	Recommended fuses		A	3P 16A o	

This product contains fluorinated greenhouse gases.

#### Accessories

Туре	Description	Product name	Note
	Madoka wired room thermostat	BRC1HHDK/S/W	
	Wireless room thermostat	EKRTR1	
Controller	Wired digital thermostat	EKRTWA	
	LAN Adapter	BRP069A61	Equivalent of BRP069A61 built-in.
	Daikin Altherma Modbus Gateway	DCOM-LT/MB-IO	
	Remote indoor sensor	KRCS01-1	
Sensors	External sensor for EKRTRB	EKRTETS	Can only be used in combination with the wireless room thermostat EKRTRB
	Current sensor	EKCSENS	
Heat pump convecto	r Floor standing / wall mounted / concealed	FWXV/T/M*	Multi combination (quantity, depends on capacity class). EKVKHPC needs to be installed mandatory or heat pump convector (exception: LT - H/O)
	Digital I/O PCB	EKRP1HBAA	Additional relays to allow bivalent control in combination with external room thermostat are field supply.
	Demand PCB	EKRP1AHTA	
	Power cable for back-up heater	EKGSPOWCAB	
Other options	Fernox magnetic filter 1"	K.FERNOXTF1	
	Fernox magnetic filter 1" and F1 inhibitor fluid	K.FERNOXTF1FL	
	(500ml)		
	G3 kit 8 liter	EKUHWG3DS	For UK, mandatory combination. Recommended option.
	G3 kit 18 liter	EKUHWG3D	For UK, mandatory combination. Alternative to EKUHWG3DS.



## Daikin Eco-system

Daikin is a one-stop-shop for heating by providing all equiments from the heat generators to the peripherals.

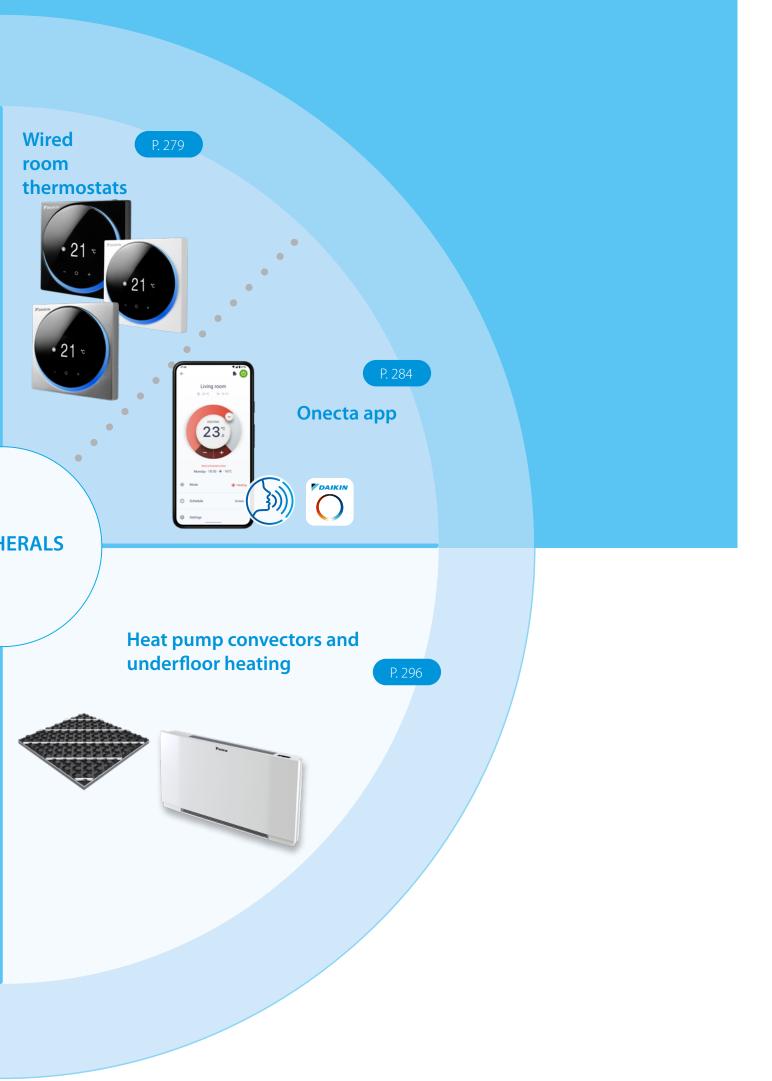
Domestic hot water tanks and thermal stores with solar panels are official combinations in our energy label website.

Heating systems are never complete without emitters, that's why Daikin provides all the underfloor heating accessories as well as heat pump convectors. The floor standing convector can optionally be equipped with an indoor air quality feature, allowing fresh air to enter the room when the  $\mathrm{CO}_2$  level is too high, thanks to a ventilation system.

Recently, Daikin partnered up with Duco to add a range of residential ventilation units (CHRV) that synergize with the convector range.

Since indoor air quality is a key topic for Daikin, the air purifier range was also extended to provide end-users with best air possible.







Tanks

Thermal stores and tanks

272



## Why choose a Daikin Altherma ST Thermal store or domestic hot water tank?

Whether you only need hot water or you want to combine your hot water with solar systems, we offer you the best solutions to the highest levels of comfort, energy efficiency and reliability.



Thermal store



Stainless steel tank



## Domestic hot water tanks

#### Stainless steel tanks

#### Comfort

- > EKHTS-AC: available in 200 and 260 L in stainless steel
- > EKHWS(P)(U)-D: available in 150, 180, 200, 250 and 300 litres in stainless steel

#### Efficiency

- > High-quality insulation keeps heat loss to a minimum
- > Efficient temperature heating: from 10  $^{\circ}$ C to 50  $^{\circ}$ C in only 60 minutes
- > Available as an integrated solution or separate tank

#### Reliability

At necessary intervals, the unit can heat up water up to 60 °C to prevent the risk of bacteria growth

## The ECH<sub>2</sub>O thermal store range

#### **ECH<sub>2</sub>0** thermal store: additional hot water comfort

Combine your monobloc with a thermal store to achieve the ultimate comfort at home.

- Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- > Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options

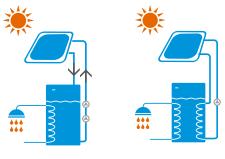
Built for small and large homes, customers can choose between a pressureless and a pressurised hot water system.

#### Efficiency

- > Fit for the future: maximise renewable energy sources
- > Intelligent Heat Storage Management: ensures continuous heating during defrost mode, and uses stored heat for space heating
- > High-quality insulation keeps heat loss to a minimum

#### Reliability

 Maintenance-free tank: no corrosion, anode, scale or lime deposits, and no water loss through the safety valve



Drain-back solar system

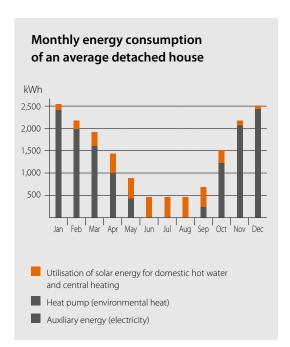
Pressurised solar system

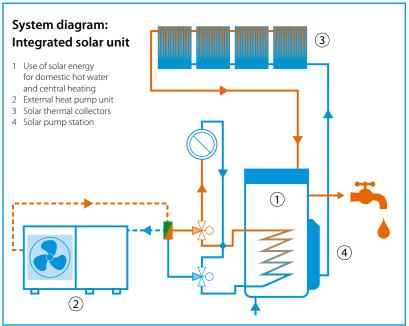
#### Pressureless (drain-back) solar system

- > The solar collectors are only filled with water when sufficient heating is provided by the sun
- The pumps in the control and pump unit switch on briefly and fill the collectors with storage tank water
- After filling, water circulation is maintained by the remaining pump

#### Pressurised solar system

- System is filled with heat transfer fluid with the correct amount of antifreeze to avoid freezing in winter
- > System is pressurised and sealed







#### Thermal store

#### Plastic domestic hot water tank with solar support

- > Tank designed for connection with pressurised thermal solar system
- > Tank designed for connection with drainback thermal solar system
- > Available in 300 and 500 liters
- Large hot water storage tank to provide domestic hot water at any time
- > Heat loss is reduced to a minimum thanks to the high quality insulation
- > Space heating support possible (500 L tank only)







More details and final information can be found by scanning or clicking the QR codes.







Accessory			EKHWP	300B	500B	300PB	500PB	54419B		
Casing	Colour				Traffic whi	te (RAL9016) / Dark grey	(RAL7011)			
	Material			Impact resistant polypropylene						
Dimensions Unit	Unit	Width	mm	595	790	595	79	90		
		Depth	mm	615	790	615	79	90		
		Height	mm	1,646	1,658	1,646	1,6	58		
Weight	Unit	Empty	kg	53	76	56	82	71		
Tank	Water volui	me	L	294	477	294	47	77		
	Material					Polypropylene				
	Maximum v	vater temperature	°C			85				
	Insulation	Heat loss	kWh/24h	1.50	1.70	1.50	1.7	70		
	Energy effic	ciency class				В				
	Standing h	neat loss		64	72	64	7	2		
	Storage vol	ume	L	290	393	290	39	93		
Heat exchanger	Domestic	Quantity		1						
	hot water	Tube material		Stainless steel (DIN 1.4404)						
		Face area	m²	5.60	5.80	5.60	5.90	5.80		
		Internal coil volume	L	27.80	28.90	27.80	29	28.90		
		Operating pressure	bar	10						
	Charging	Quantity		1						
		Tube material			St	ainless steel (DIN 1.4404	1)			
		Face area	m²	2.66	3.70	2.66	3.70	1.95		
		Internal coil volume	L	12.90	18.10	12.90	18.10	10		
		Operating pressure	bar		6			3		
Auxiliary solar	solar	Tube material		-	Stainless steel (DIN 1.4404)	-	Stainle (DIN 1			
	heating	Face area	m²	-	0.76	-	0.3	76		
		Internal coil volume	L	-	3.90	-	3.9	90		
		Operating pressure	bar	-	3	-		3		

#### Domestic hot water tank

#### Stainless steel domestic hot water tank

- > EKHTS-AC: available in 200 and 260 litres
- > EKHWS(P)(U)-D: available in 150, 180, 200, 250 and 300 litres
- > Stainless steel domestic hot water tank













More details and final information can be found by scanning or clicking the QR codes.













Accessory				EKHTS	200AC	260AC		
Casing	Colour				Meta	llic grey		
	Material				Galvanised steel (p	recoated sheet metal)		
Dimensions	Unit	Height	Integrated on indoor unit	mm	2,010	2,285		
		Width		mm		600		
		Depth		mm		695		
		Height		mm	1,470	1,745		
Weight	Unit	Empty		kg	70	78		
Tank	Water volu	me		L	200	260		
	Material				Stainless steel (EN 1.4521)			
	Maximum	water tempe	erature	°C	75			
	Insulation	Heat loss		kWh/24h	12	15		
	Energy effic	ciency class			В			
	Standing h	eat loss		W	50	63		
	Storage vo	lume		L	200	260		
Heat exchanger	Quantity					1		
	Tube mater	rial			Duplex ste	eel (EN 1.4162)		
	Face area			m²	1	.560		
	Internal coi	il volume		L		7.50		

	internal coil volume L			7.50						
Accessory			EKHWS(P)(U)	150D3V3	180D3V3	200D3V3	250D3V3	300D3V3		
Casing	Colour			Neutral white						
	Material				Ероху соа	ted steel / Epoxy-coated	mild steel			
Dimensions	Unit	Height Tank	mm	1,000	1,164	1,264	1,535	1,745		
Weight	Unit	Empty	kg	45	50	53	58	63		
Tank	Water volu	me	L	145	174	192	242	292		
	Material			Stainless steel (EN 1.4521)						
	Maximum water temperature			75						
	Insulation	Heat loss	kWh/24h	1.10	1.20	1.30	1.40	1.60		
	Energy effic	ciency class		В						
	Standing h	eat loss	W	45	50	55	60	68		
	Storage vo	lume	L	145	174	192	242	292		
Heat exchanger	Domestic	Quantity		1						
	hot water	Tube material				Stainless steel (EN 1.4521)				
		Face area	m²	1.050	1.400		1.800			
		Internal coil volume	L	4.90	6.50		8.20			
		Operating pressure	bar		·	10				
Booster heater	Capacity kW		kW	3						
Power supply	Phase/Freq	uency/Voltage	Hz/V	1~/50/230						



## Controllers

Vired remote controller	27
ndividual room controllers	28
Dnecta App	28

#### Controls

With Daikin controllers, you're in full control of your Daikin heat pump. The wired controller range features easy-to-use thermostats to control the temperature of different rooms. The intuitive Daikin apps offer even more features to help schedule and manage the energy consumption of your units.

#### Onecta App

Requires WLAN Module (BRP069A71), WLAN cartridge (BRP069A78) or LAN Adapters (BRP069A61/2)



#### Wired remote controller

Madoka



#### Wired digital thermostat

EKWCTRDI1V3



#### Combination table

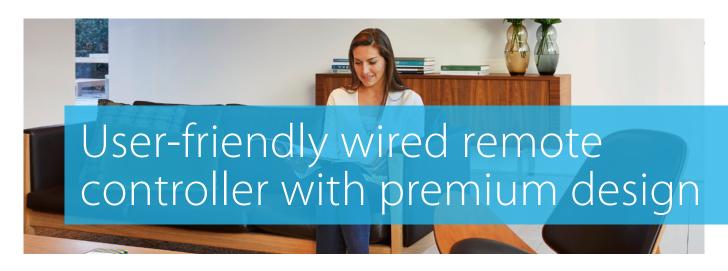








			BRC1HHDW/S/K	EKRUCB*	EKRUHML*	DOTROOMTHEAA
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	EPRA14-18D7 + ETV/B*-E7	•			
Daikin Altherma 3 H HT ECH2O	14-16-18 kW	EPRA14-18E + ETS*-E7	•			
Daikin Altherma 3 H MT (F/W)	8-10-12 kW	EPRA08-12E + ETV/B*-E	•			
Daikin Altherma 3 H MT (ECH2O)	8-10-12 kW	EPRA08-12E + ETS*-E	•			
Daikin Altherma 3 R (F/W)	4-6-8kW	ERGA-E* + EHV/B*-E	•			
Daikin Altherma 3 R ECH2O	4-6-8kW	ERGA-E* + EHS*-E	•			
Daikin Altherma 3 R (F/W)	11-14-16 kW	ERLA-D* + EBV/B*-D	•			
Daikin Altherma 3 R ECH2O	11-14-16 kW	ERLA-D* + EBS*-D	•			
Daikin Altherma R HT	11-14-16 kW	EKHBRD-ADV/Y17 + ER(R/S)Q-AV/Y1				
Daikin Altherma 3 M	4-6-8-9-11- 14-16 kW	E(B/D)LA-E/D*	•			
Daikin Altherma R Hybrid	5-8 kW	EVLQ-CV3		•		
Daikin Altherma H Hybrid	4 kW	EJHA-AV3			•	
Daikin Altherma 3 GEO	6-10 kW	EGSA(H/X)-D9W	•			
Daikin Altherma 3 C Gas W	12-35 kW	D2CND-A1A/A4A				•



#### Madoka. The beauty of simplicity

#### Madoka



**Black** RAL 9005 (matt) BRC1HHDK

#### Madoka combines refinement and simplicity

- > Sleek and elegant design
- > Intuitive touch-button control
- > Three colours to match any interior
- > Compact: measures only 85 x 85 mm



**White**RAL9003 (glossy)
BRC1HHDW

#### Easy update via Bluetooth

It is strongly recommended to make sure that the user interface is up to date. To update the software or check if updates are available, all you need is a mobile device and the Madoka Assistant app. The app is available on Google Play and in the App Store.



**Silver** RAL 9006 (metallic) BRC1HHDS

#### Award-winning design

Madoka received an IF Design Award and Reddot Product Design Award for its innovative design. These awards represent two of the most prestigious and largest design competitions in the world.



reddot award 2018 winner



## Wired remote controller



## For Daikin Altherma 3 heat pumps

A new generation of user interfaces: redesigned and intuitive

#### Intuitive control with a premium design

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large, easy-to-read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

#### Three colours to match any interior design

Whatever your interior design, Madoka will fit in. Silver will stand out in any home decor, while Black is a perfect match for darker, stylish interiors.
White offers a sleek, modern look.

#### Easily set operation parameters

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room temperature and control the domestic hot water temperature.

## Wired remote control for heating

#### **FKRUCB**

#### Control

- Manage space heating, cooling, domestic hot water and booster mode
- > User-friendly remote control with contemporary design
- > Easy to use with direct access to all main functions

#### Comfort

An additional user interface can be configured to include a room thermostat in the space

> Easy commissioning: intuitive interface for advanced menu settings

#### General features

Several languages available depending on the model, including English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

#### **Applicable Daikin units**

- > Daikin Altherma R Hybrid
- > Daikin Altherma GEO





## Personalize your heating schedule

## Create your own climate with Home Controls that can be ajdusted to your lifestyle.

- Combine up to 80 Daikin Home Controls accessories in as many as 25 rooms on the Daikin Altherma.
- All accessories added to the same room will be automatically grouped together and follow the same schedule.
- > Change the device name and room name anytime you want.
- > Create schedules for heating (in rooms with radiators or underfloor heating) and cooling (in rooms with underfloor cooling).
- > Use boost function to heat up rooms quickly.
- > Invite other members of your household to control their comfort with the Onecta app.



				BRC1HHDW/S/K	EKRUCB <sup>1)</sup>	EKRUHML <sup>1)</sup>	EKWCTRDI1V3	EKWCTRAN1V3
Casing	Colour			Black / White / Silver	White	White	-	-
	Operation LED	Colour		Blue status indicator	Green	Green	-	-
Dimensions U	Unit	Height	mm	85	120	120	86	86
		Width	mm	85	120	120	86	86
		Depth	mm	25	12	12	31	29
	Packed unit	Height	mm	50	-	-	-	-
		Width	mm	217	-	-	-	-
		Depth	mm	161	-	-	-	-
Weight	Unit		kg	0.11	-	-	-	-
	Packed unit		kg	0.317	-	-	-	-
Packing	Material			Cardboard	-	-	-	-
	Weight		kg	0.085	-	-	-	-
LCD	Туре			100 x 150 dots	-	-	-	-
Dimensions  Back light	Dimensions	Height	mm	40.70	46	46	-	-
		Width	mm	28	72	72	-	-
	Back light	Colour		White	White	White	-	-
Ambient temperature	Operation	Min.	°C	-10	-	-	-	-
		Max.	°C	50	-	-	-	-
	Storage	Min.	°C	-20	-	-	-	-
		Max.	°C	70	-	-	-	-
	Relative humidity		%	95	-	-	-	-
Backup for power failure	9			Yes (the clock wil keep functioning for period not exceeding 48 hours)	-	-	-	-
Control systems	Class of temperatu	ire control		VI	VI	VI	-	-
	Contribution to se		%	4	4	4	-	-
Wiring connections	Type of wires			Sheathed vinyl cord or cable	-	-	-	-
	Size		mm²	0.75 - 1.25	-	-	-	-
	For connection	Quantity		2	-	-	-	-
	with indoor	Remark		P1-P2 wired connection from indoor unit	-	-	-	-
	Wiring length	Max.	m	500	500	500	-	-



#### For the temperature adjustment of heating and cooling systems





#### General features

- > Improve the energy efficiency of the home
- > Universally deployable and scalable
- > Easy and intuitive installation, operation and maintenance
- > Cost-effective and convenient for the end-user

#### System components



#### **EKWUFHTA1V3**

The Daikin Wired Base Station is the central connection unit of a room-byroom temperature control for the surface temperature adjustment of heating and cooling systems.



#### Wired digital thermostat **EKWCTRDI1V3**

The desired room temperature can be set comfortably via a rotary control with rotarypush action and soft ratchet. The wellstructured and language-neutral symbols of the display clearly indicate all settings.



#### Wired analog thermostat **EKWCTRAN1V3**

An optimum price-performance ratio is offered for rooms where only temperature control is desired, without the comfort function of the display variant.



#### Valve actuator **EKWCVATR1V3**

The Daikin Valve Actuator is a thermoelectric valve drive used to open and close valves on heating circuit distributors of concealed heating and cooling systems.



#### **Accessory list**

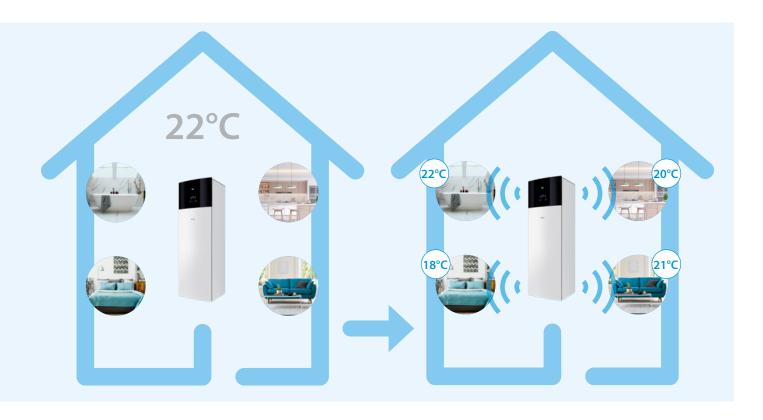
With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room. In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

#### **Applicable Daikin units**

Combinable with all Daikin Altherma units.

# Individual wireless room controllers

Our individual wireless room controllers allow for a total flexibility in heating your home.



## Personalize your heating schedule

A traditional heating system allows you to control the temperature in only one room. With Daikin Home Controls you can choose the perfect temperature for each area separately.

## Wireless control for a better flexibility

Get rid of cables and have control from anywhere you are, thanks to the Onecta app.

Our wireless range of controllers makes your life easier. As soon as they are installed, you can program or control each room temperature from the intuitive app.



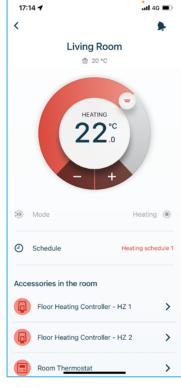
## Always in control

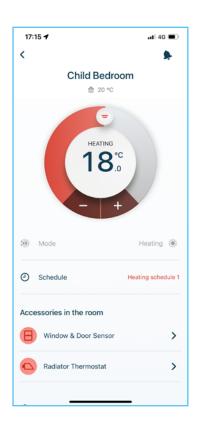


#### Jump into a fully connected system!

With Onecta app, you have an overview of all rooms temperatures. You can manage them individually, at home or remotely.



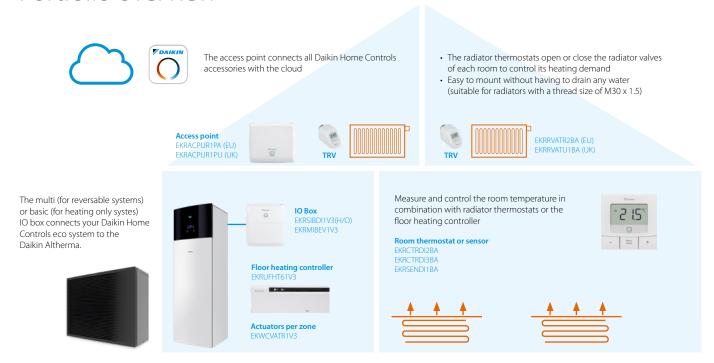




Room overview

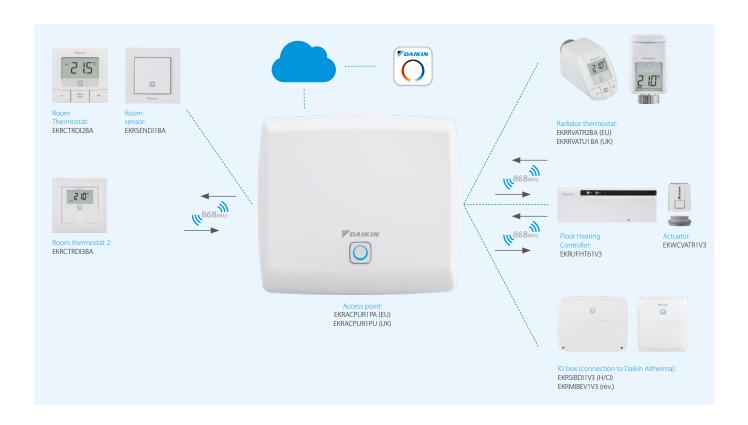
Individual room overview

#### Portfolio overview



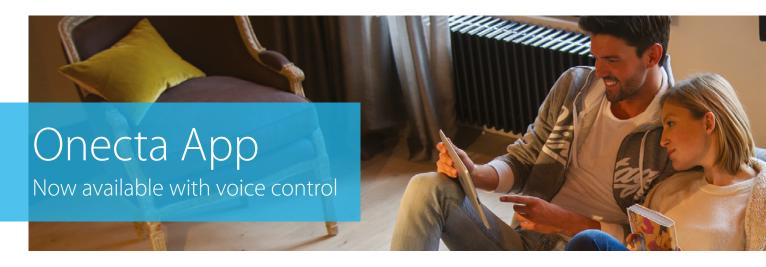
The floor heating controllers in combination with the actuators enables room by room control for rooms heated and/or cooled by underfloor heating.

#### Portfolio overview



#### Combination table

	Outdo	or unit	Indo	oor unit
			Floor standing	ETVH/X/Z16-E7
	Daikin Altherma 3 H MT 08-10-12 kW	EPRA-EV3/W1	ECH2O	ETSH(B)/X(B)16-E7
	08-10-12 KW		Wall mounted	ETBH/X16-E7
			Floor standing	ETVH/X/Z12-E
	Daikin Altherma 3 H HT 14-16-18 kW	EPRA-DV3/W1(7)	ECH2O	ETSH(B)/X(B)12-P-E
	14 10 10 KW		Wall mounted	ETBH/X12-E
			Floor standing	EHVH/X/Z-E
	Daikin Altherma 3 R 04-06-08 kW	ERGA-EV(7)(H)(A)	ECH2O	EHSH/X(B)-E
	04 00 00 KW		Wall mounted	EHBH/X-E
to the control to the			Floor standing	EBVH/X/Z-D
Air-to-water heat pump	Daikin Altherma 3 R 11-14-16 kW	ERLA-DV3/W1	ECH2O	EBSH(B)/X(B)-D
	11 14 10 KW		Wall mounted	EBBH/EBBX-D
			Floor standing	ELVH/X/Z-E
	Daikin Altherma 3 R MT 08-10-12 kW	ERRA-EV3/W1	ECH2O	ELSH(B)/X(B)-E
	08-10-12 KW		Wall mounted	ELBH/X-E
	Daikin Altherma 3 M	EBLA-D		
	09-11-14-16 kW	EDLA-D		
	Daikin Altherma 3 M	EBLA-E		
	04-06-08 kW	EDLA-E		
	Daikin Altherma 3 R	ERLA03DV	Floor standing	EHFH/Z03-S18D3V
	Dailein Althausea D. Leskerid	EVLO-CV3	Wall mounted	EHYHBH-AV32
lybrid heat pump	Daikin Altherma R Hybrid	EVLQ-CV3	waii mounted	EHYKOMB33AA2/3
	Daikin Altherma H Hybrid	EJHA-AV3	Boiler	EHY2KOMB28/32A A
	Daikin Altherma 3 GEO			EGSAH/X-(U)E9W
round and water source heat	Daikiii Aitherma 3 GEO			EGSAH/X-(U)D9W
oump	Dell's Aldress 2006			EWSAH/X-(U)E3V
	Daikin Altherma 3 WS			EWSAH/X-(U)D9W



The Onecta App is for those who live their life on the go and who want to manage their heating system from their smartphone.



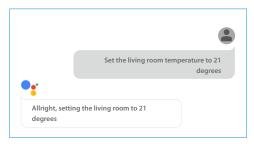
## onecta

#### Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.





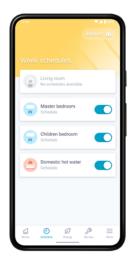
Example of using the voice control via Google Assistant



Example of using the voice control via Amazon Alexa



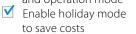




### Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

Schedule room temperature and operation mode



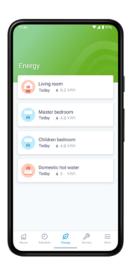


### Control

Customise the system to fit your lifestyle and year-round comfort levels.

✓ Change room and domestic hot water temperature

✓ Turn on powerful mode to boost hot water production



### Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

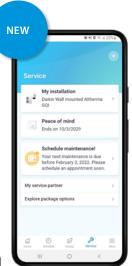
Check the status of the heating system

Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode. The app functionality is only available if both the Daikin system and the app have a reliable internet connection.







# Service - Warranty registration

- Register your unit and enjoy the benefits of Stand By Me (extended warranty, Worry-free maintenance, Convenient follow-up)
- > Consult service partner information
- Purchase an extended warranty or get a check-up for your units

Scan the QR code to download the app now







# Heating & cooling emitters

Daikin Altherma UFH	290
Daikin Altherma HPC floor standing	296
Daikin Altherma HPC wall mounted	298
Daikin Altherma HPC concealed	299

# Daikin Altherma UFH

Underfloor heating

# Your comfortable climate, day after day

### Desired temperature at any time of year

Our heating systems make for a comfortable home. Heat generators such as an air-water heat pump use regenerative environmental energy as a heat source and so reduce energy consumption and keep costs to a minimum. But what about air conditioning of the rooms in summer? Very few residential buildings have air conditioning for a pleasant and comfortable temperature even on hot summer days and nights. That's changing now. With a heating system that not only provides comfortable warmth in winter, but also gentle cooling in summer throughout the entire building. And all this with very economical operation and no additional purchase costs.

# Regenerative heating in winter, gentle cooling in summer

The Daikin heat pump really comes into its own when combined with a Daikin underfloor heating system. For cooling, the heat pump process is simply reversed, i.e. heat is extracted from the building and released into the environment. The room is cooled mainly by the underfloor heating system. The large surface makes for a very pleasant and draught-free room climate. Invisible and noiseless, even in cooling mode.

### Clever combination: Underfloor heating and convector fan

A convector fan is used in rooms without underfloor heating to handle the dual functions of heating and cooling. It is the ideal complement to the Daikin heat pump if not all rooms have underfloor heating. Its very quiet operation means it can even be used in bedrooms. The integrated electronic room temperature control unit ensures an optimal climate in every room.

## Maximum comfort and maximum savings – all-inclusive

With the existing or optionally available cooling function of the Daikin air-water heat pump, you can enjoy both heating and cooling in rooms with underfloor heating without any further outlay or investment. The operating costs for this additional comfort are also low.

### Daikin Altherma ST solar thermal sytem: Minimizes energy costs

The integration of a solar system, which additionally contributes heating in winter from free solar energy, offers maximum living comfort with minimal energy costs.

	Syster	n temperatures 35°C	- 45 °C	°C System temperatures 55 °C - 70 °C				
Areas of application:	Monopex	Monopex cut	Monopex Industrial	System 70	System 70 Industrial	Heat pump convector		
New building	•			(•)*		•		
Modernisation with additional height						•		
Modernisation without additional height		•				•		
Underfloor heating combined with radiator				•	•	•		
Heating and cooling (in combination with heat pump)	•	•	•			•		
Wall heating								
Large areas			•		•			
Heat generators								
Boilers	•	•	•	•	•	•		
Heat pump (low-temperature heating)	•	•	•			•		

<sup>\*</sup> If system temperature of the heat generator requires 55 °C - 70 °C in the flow line



### Monopex

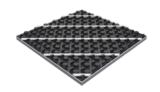
The underfloor heating for low system temperatures. Ideal in combination with heat pumps.

- > Monopex 14 for floor structures with system or tacker panel, wall heating and the Daikin milling system
- > Monopex 16 (for France) for floor installation with system or tacker panels
- > Monopex 17 for floor installation with system or tacker panels
- > Monopex 20 for commercial and industrial surfaces



### Clip rail for wall heating

Clip rail combined with Monopex 14 for wall heating. Systems: Monopex 14



### Protect system plate

The Protect system plate consists of a nub plate with an additional surface protection layer made of deep-drawn polystyrene to protect the heating pipe during installation.

**Systems:** Monopex



### Tacker system

The Daikin tacker panel for underfloor heating pipes is available as a folding panel and roller track with laminated, high-strength film, and is ideal for laying heating pipes over large surfaces (e.g. commercial buildings).

Systems: Monopex



### **RMV** heating circuit distributor

Heating circuit manifold in stainless steel. For all Daikin underfloor heating and radiator connection systems.



### RMX heating circuit manifold

Heating circuit manifold made of heat-stabilised, glass fiber reinforced polyamide. For all Daikin underfloor heating and radiator connection systems.







### Room controller

The room thermostat ensures convenient and individual control of the room temperature and impresses with its flat design and construction. Versions:

### Wireless version

> Wireless without battery

### Wired version

- > LED display: Heating/cooling (red/blue)
- > Read all status messages



### Basic module with integrated power pack and clock module

- > Basic module with integrated power pack to supply the control unit (wireless and wired) plus optional clock module
- > Optimal interface to Daikin heat generators



### Clock module to supplement basic module:

- > 2 reduction times for heating circuits
- > Pump stopping time
- > Removable from the basic module for easy operation



### Daikin Altherma HPC heat pump convector

- > Slim design
- > Heating and cooling
- > Integrated electronic room temperature controller with timer
- > Very quiet and compact
- > Also suitable for bedrooms
- > Ideal in buildings with underfloor heating and radiators

Segmentation 1	Segmentation 2	Segmentation 3	Description	Product Name	Material Name
Piping					
			MONOPEX® ø14 X 2 DD - 120	EMOPX14120AA	EMOPX14120A
			MONOPEX® ø14 X 2 DD - 240	EMOPX14240AA	EMOPX14240A
			MONOPEX® ø14 X 2 DD - 600	EMOPX14600AA	EMOPX14600A
FH heating pipes	PEHD-Xc	Single pipe	MONOPEX® ø17 X 2 DD - 120	EMOPX17120AA	EMOPX17120A
			MONOPEX® ø17 X 2 DD - 240	EMOPX17240AA	EMOPX17240A
			MONOPEX® ø17 X 2 DD - 600	EMOPX17600AA	EMOPX17600A
			MONOPEX ø20 X 2 DD - 400	EMOPX20400AA	EMOPX20400A
loorplates					
		Diagonal	Protect Integral 27-2	EPROTECTIN272AA	EPROTECTIN272A
Vet system	Napplates	With insulation	Protect 11	EPROTECT11AA	EPROTECT11A
loorplates			Tackerplate	ETACKERPLATEAA	ETACKERPLATEA
	Tacker	Tacker System	Tackerplate roll	ETACKERPLATERAA	ETACKERPLATERA
			Protection pipe 16/21	EPROTEPIP1621AA	EPROTEPIP1621A
ipe accesories	Protect	tion Pipe	Protection pipe 19/25	EPROTEPIP1925AA	EPROTEPIP1925A
•			Protection pipe 23/28	EPROTEPIP2328AA	EPROTEPIP2328A
/all/side-strips			· ·		
			Side-strip for screed floor RDS	ESIDESTRIPRDSAA	ESIDESTRIPRDSA
	Distriction	MA HAZ L. AZ Z	Closing cord floating screed floor RDS (in knob plate)	ESEALLINERDSAA	ESEALLINERDSA
	Plate accesories	Wall/side-strips	Side-strip for concrete floor RDS-I	ESIDESTRPRDSIAA	ESIDESTRPRDSIA
			Extension joint profile - carton	EXPANSIOJOICAA	EXPANSIOJOICA
			Extension joint profile - PP or PE	EXPANSIOJOIPEAA	EXPANSIOJOIPEA
	Screed Material		,		
	Jan Cou mutanu		Screed Estrolith H2000	ESCREDEST2000AA	ESCREDEST2000A
	Sci	reed	Screed Temporex	ESCREDTEMPREXAA	ESCREDTEMPREXA
	301	iccu	Screed Estrotherm S	ESCREDESTROSAA	ESCREDESTROSA
			Surface primer 3,5kg	ESURFPRIMER35AA	ESCREDESTROSA
		Primer	Surface primer 15kg	ESURFPRIMER15AA	ESURFPRIMER35A
nstallation ccesory	Plate accesories	In pipe protection fluid	Freeze and corrosion protection	EFREZCOPROTECAA	EFREZCOPROTECA
	Accessories				
		Tacker installation	System tacker STAC (tacker gun)	ESYSTACERSTACAA	ESYSTACERSTACA
			Tacker nail TN40	ETACKERNAIL40AA	ETACKERNAIL40A
	Tacker accesories	Tacker nail	Tacker nail TN60	ETACKERNAIL60AA	ETACKERNAIL60A
		Tape	Tape KB50	ETAPEKB50AA	ETAPEKB50A
		Cliprail	Cliprail	ECLIPRAILAA	ECLIPRAILA
	Wall system	·	Cliprail nail	ECLIPRAILNAILAA	ECLIPRAILNAILA
	accessories	Cliprail accessories	Cliprail plug	ECLIPRAILPLUGAA	ECLIPRAILPLUGA
		D: !:	Pipe clips (Monopex 17/20)	EPIPECLIPMOPXAA	EPIPECLIPMOPXA
		Pipe clips	Pipe clips (DUO25)	EPIPECLIPDUOAA	EPIPECLIPDUOA
			Pipe fixation for steel frame	EPIPEFIXSTEELAA	EPIPEFIXSTEELA
	1	Manual pipe	Pipe damage recoverator	EPIPEDAMGERECAA	EPIPEDAMGERECA
		handling	Combined pipe cutter and stripping pilers RAZ1	EPIPCUTSTRAZ1AA	EPIPCUTSTRAZ1A
			Pipe cutter	EPIPECUTTERAA	EPIPECUTTERA
		PE Foil	PE Foil, 0,2 mm, 5 cm Raster	EPEFOILRASTERAA	EPEFOILRASTERA
	Pipe accesories	Pipe rolling machin	ne		
ccessory			Pipe rolling machine 1 (Service)	915038	915038
, ,		Pipe roll out	Pipe rolling machine 2 (Service)	915039	915039
			Pipe rolling machine 3 (Service)	915040	915040
		Pipe bend	ge s (service)	7.55.5	7.55.5
		pe senu	Pipe bend for 14-18	EPIPEBEND1418AA	EPIPEBEND1418A
		Pipe bend	Pipe bend for 20-22	EPIPEBEND2022AA	EPIPEBEND2022A
			i ipe peliu ioi zu-zz	LFIFEDEINDZUZZAA	EFIFEDEND2022A

FH collector			DMV 2	ECOLLECTDAN/2AA	ECOLLECTDAM/24
			RMV 2 RMV 3	ECOLLECTRMV2AA	ECOLLECTRMV2A
			RMV 4	ECOLLECTRMV3AA	ECOLLECTRMV3A
			RMV 5	ECOLLECTRMV4AA ECOLLECTRMV5AA	ECOLLECTRMV4A ECOLLECTRMV5A
			RMV 6	ECOLLECTRMV6AA	ECOLLECTRMV6A
		RMV collector	RMV 7	ECOLLECTRMV7AA	ECOLLECTRMV7A
		(Stainless steel)	RMV 8	ECOLLECTRMV8AA	ECOLLECTRMV8A
			RMV 9	ECOLLECTRMV9AA	ECOLLECTRMV9A
			RMV 10	ECOLLECTRMV10AA	ECOLLECTRMV10A
			RMV 11	ECOLLECTRMV11AA	ECOLLECTRMV11A
			RMV 12	ECOLLECTRMV12AA	ECOLLECTRMV12A
			RMX 2	ECOLLECTRMX2AA	ECOLLECTRMX2A
			RMX 3	ECOLLECTRMX3AA	ECOLLECTRMX3A
			RMX 4	ECOLLECTRMX4AA	ECOLLECTRMX4A
			RMX 5	ECOLLECTRMX5AA	ECOLLECTRMX5A
		RMX Collector	RMX 6	ECOLLECTRMX6AA	ECOLLECTRMX6A
		(Plastic)	RMX 7	ECOLLECTRMX7AA	ECOLLECTRMX7A
	RMV/RMX	(i lastic)	RMX 8	ECOLLECTRMX8AA	ECOLLECTRMX8A
ollector	collector		RMX 9	ECOLLECTRMX9AA	ECOLLECTRMX9A
			RMX 10	ECOLLECTRMX10AA	ECOLLECTRMX10A
			RMX 11	ECOLLECTRMX11AA	ECOLLECTRMX11A
			RMX 12	ECOLLECTRMX12AA	ECOLLECTRMX12A
		UFH collector Acce			
			Extension 1 zone	EXTENSIONZONEAA	EXTENSIONZONEA
			Flow sensor DMR RMX	EFLOSENDMRRMXAA	EFLOSENDMRRMX/
		Collector acc	COUPLING NIPPLE ¾" EUROCONE SKU	ECLUTCHNIPSKUAA	ECLUTCHNIPSKUA
			Shut off valve	ESHUTOFVALVEAA	ESHUTOFVALVEA
			AlPex coupling	EAIPEXCOUPLINAA	EAIPEXCOUPLINA
			Set ring DUO 17	ESERIMOPXDU17AA	ESERIMOPXDU17A
		Set ring Monopex 14 x 2,2	ESERIMOPX14AA	ESERIMOPX14A	
	Cat wins as	Set ring Monopex 16 x 2,2	ESERIMOPX1622AA	ESERIMOPX1622A	
		Set ring	Set ring Monopex 17 Set ring DUO 25	ESERIMOPX17AA ESERIMOPXDU25AA	ESERIMOPX17A ESERIMOPXDU25A
			Set ring Monopex 16 x 1,5	ESERIMOPX1615AA	ESERIMOPX1615A
			Set ring Monopex 20	ESERIMOPX20AA	ESERIMOPX20A
		Collector acc	Connection set ASH1	ECONECSETASH1AA	ECONECSETASH1A
	HKV	Set ring	Shut of for set ring	ESETRINGSHTOFAA	ESETRINGSHTOFA
alorimeter			Calorimeter	ECALORIMETERAA	ECALORIMETERA
		Combi box	Combi box	ECOMBIBOXAA	ECOMBIBOXA
/all Box					
			In wall until RMX4/RMV3 (HKV compatible)	EIWRX4RV3AA	EIWRX4RV3A
			In wall until RMX7/RMV6 (HKV compatible)	EIWRX7RV6AA	EIWRX7RV6A
		In wall collector	In wall until RMX10/RMV9 (HKV comptaible)	EIWRX10RV9AA	EIWRX10RV9A
	RMV/RMX	box	In wall until RMX14/RMV13 (HKV compatible)	EIWRX14RV13AA	EIWRX14RV13A
			In wall until RMX14/RMV13 + calorimeter		
			(HKV compatible)	EIWRX14RV13CLAA	EIWRX14RV13CLA
			On-wall until HKV7/RMX7/RMV6	EOWHV7RX7RV6AA	EOWHV7RX7RV6A
	HKV/RMX/RMV	On wall collector	On-wall until HKV10/RMX10/RMV9	EOWH10RX10R9AA	EOWH10RX10R9A
	LIVA/KINIY/KINIA	box	On-wall until HKV14/RMX14/RMV12	EOWH14RX14R12AA	EOWH14RX14R12A
			On-wall until HKV14/RMX14/RMV12 + calorimeter	EOWH14R14R12CAA	EOWH14R14R12CA
onsole			Fixation console STK 40 for WEK40	EFCSTK40WEK40AA	EFCSTK40WEK40A
onsole				LI COINTOWENTOWN	
onsole		Fixation console	Fixation console STK 45 for WEK45	EFCSTK45WEK45AA	EFCSTK45WFK45A
		Fixation console		EFCSTK45WEK45AA	EFCSTK45WEK45A
		Fixation console	Fixation console STK 45 for WEK45		
		Fixation console	Fixation console STK 45 for WEK45  Base module UFH-BM	EKW175137	EKW175137
			Fixation console STK 45 for WEK45  Base module UFH-BM  Clock module UFH-UM	EKW175137 EKW175138	EKW175137 EKW175138
		Fixation console  Wired controllers	Fixation console STK 45 for WEK45  Base module UFH-BM  Clock module UFH-UM  Controller module, wire UFH-RMD2	EKW175137 EKW175138 EKW175141	EKW175137 EKW175138 EKW175141
			Fixation console STK 45 for WEK45  Base module UFH-BM  Clock module UFH-UM  Controller module, wire UFH-RMD2  Controller module, wire UFH-RMD6	EKW175137 EKW175138 EKW175141 EKW175140	EKW175137 EKW175138 EKW175141 EKW175140
			Base module UFH-BM Clock module UFH-UM Controller module, wire UFH-RMD2 Controller module, wire UFH-RMD6 Room controller, wire UFH-RD	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139
ontrollers		Wired controllers	Base module UFH-BM Clock module UFH-UM Controller module, wire UFH-RMD2 Controller module, wire UFH-RMD6 Room controller, wire UFH-RD Rocon UFH wireless UFH-RT	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142
ontrollers			Base module UFH-BM Clock module UFH-UM Controller module, wire UFH-RMD2 Controller module, wire UFH-RMD6 Room controller, wire UFH-RD Rocon UFH wireless UFH-RT Base station 6 channels wireless UFH-RMF6A	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142 175143
ontrollers		Wired controllers  Wireless controllers	Base module UFH-BM Clock module UFH-UM Controller module, wire UFH-RMD2 Controller module, wire UFH-RMD6 Room controller, wire UFH-RD Rocon UFH wireless UFH-RT Base station 6 channels wireless UFH-RMF6A 2 channels extra wireless UFH-RMF2A	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142 175143	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142 175143 175144
onsole controllers		Wired controllers Wireless	Base module UFH-BM Clock module UFH-UM Controller module, wire UFH-RMD2 Controller module, wire UFH-RMD6 Room controller, wire UFH-RD Rocon UFH wireless UFH-RT Base station 6 channels wireless UFH-RMF6A 2 channels extra wireless UFH-RMF2A Valve actuator RMV/RMX/HKV	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142 175143 175144 EKWCVATR1V3	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142 175143 175144 EKWCVATR1V3
ontrollers		Wired controllers  Wireless controllers	Base module UFH-BM Clock module UFH-UM Controller module, wire UFH-RMD2 Controller module, wire UFH-RMD6 Room controller, wire UFH-RD Rocon UFH wireless UFH-RT Base station 6 channels wireless UFH-RMF6A 2 channels extra wireless UFH-RMF2A	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142 175143	EKW175137 EKW175138 EKW175141 EKW175140 EKW175139 175142 175143 175144

# Heat pump convectors Daikin Altherma HPC

# What is

### a heat pump convector?

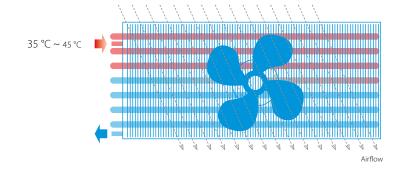
Daikin Altherma HPC provides both cooling and heating. The system is compatible with underfloor piping and radiators in a multi-zoning installation, or can replace radiators in combination with low temperature heat pumps. The unit is suited for use in bedrooms and living rooms thanks to its silent operation.

# How does it work?

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, the convection process is faster because there is a small fan behind it, speeding up the heating cycle.

A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures inside the radiator, which in the long run contributes to direct energy savings for end users.

- > Optimized for newly built houses.
- > Can be set at low water temperature (35 °C) which makes it ideal for heat pump applications.

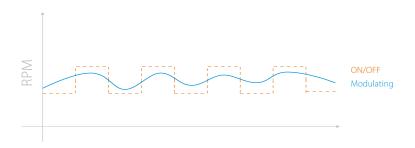


### Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.

### DC Inverter

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input.



# Natural symbiosis

## with heat pumps

By running on low temperature, Daikin Altherma heat pump convectors naturally fit with Daikin heat pumps. The heat pump convector range is made of 3 models:

- 1 Floor standing model with indoor air quality control (optional)
- 2 Wall mounted model with remote control
- 3 Concealed model hidden in the ceiling or wall



# Daikin Altherma HPC Floor standing model



The floor standing heat pump convector impresses with its low sound operations, and its slim design that received the RedDot Award 2020. Next to heating and cooling, the unit can also provide indoor air quality control.

## Why Indoor Air Quality Matters

Indoor Air Quality (IAQ) refers to the air quality in a building or structure, breathed in every day by the building's occupants.

When planning new residential buildings, schools, offices or light commercial buildings, many things must be considered. Besides structural factors, there are also the topics of heating, cooling and something often neglected: indoor air quality.

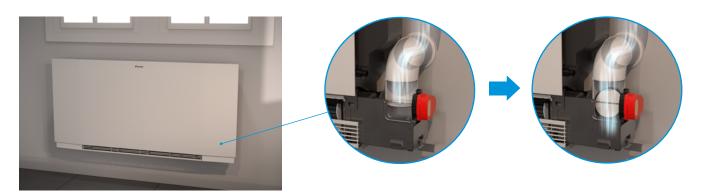
Did you know that the indoor air we breathe, whether at home, at the office, or in a hotel room could in fact be much more polluted than the air outside?

- > 90% of our lives is spent indoors
- > Indoor air quality can be 2 to 5 times worse than outdoor air quality because of pollutants, such as pollen, bacteria, etc.



# How does Daikin Altherma HPC ensure a healthy and comfortable indoor air quality?

When a pollutant level of indoor air is reached, the IAQ sensor opens a damper, which allows fresh air to come in. The incoming fresh air is immediately heated or cooled (depending on the demand) by the heat pump convector. In this way the indoor air remains of good quality while comfort is ensured.

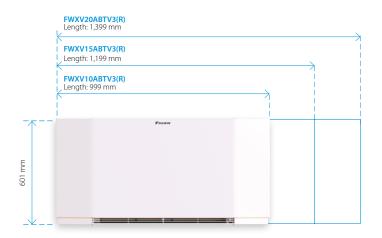




## Slim design



The floor standing Daikin Altherma HPC has a depth of only 135 mm that fits any house or apartment. Its optimised design was rewarded with the Reddot Design Award 2020.



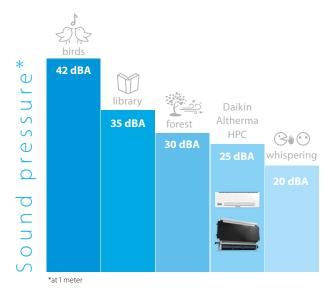
## Fast and high capacity

The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high-capacity heating or cooling faster and can be set at ultra-low temperatures (35/30 °C regime).



### Discreet

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. For the wall mounted and concealed units, the sound pressure measures 25dB(A) at 1m when the fan is on low-speed setting. Even lower sound pressure in super-silent mode (night mode).



### Controls

Daikin offers a wide variety of controllers that are functional and have a great design.



### EKRTCTRL2

- > Built-in controller > 4 speed settings



- ON/OFF
  - In combination with external thermostats



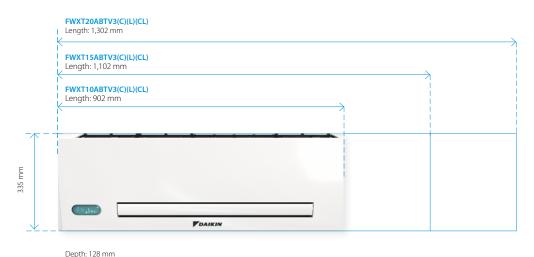
- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0
- > Includes indoor air quality sensor



Thanks to its slim design, our wall-mounted unit blends in with your interior discreetly while helping you save valuable floor space.

## Slim design

Daikin Altherma HPC is a compact unit made of a design metal casing including all valves.



Берия 120 пп

### Controls

### Choice of:

- > Fully modulating controller allowing for remote control of the unit.
- > Infrared remote controller and on-board touch panel.

#### EKWHCTRL1



- > Wall controller
- > Fully modulating
- > For models FWXT-ABTV3(L)

### Infrared remote controller



- > Remote
- > Fully modulating
- > For models FWXT-ABTV3C(L)

## Compactness



### 1 Slim depth

The depth of 128 mm is an outstanding technical achievement that ensures a perfect fit in any home.

### 2 More space for valves

Ease of installation: the space for hydraulic valves is wide and easily accessible.



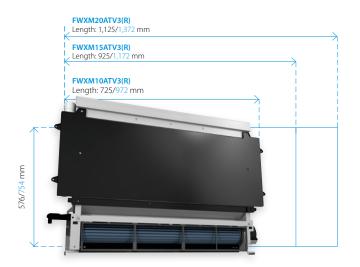
#### Modulated airflow

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound.



Forget about your heating or cooling installation altogether: our concealed model vanishes into the wall or ceiling for visual comfort while preserving its unique heating and cooling capabilities.

## Slim design



Blue dimensions are for the front cover.

### Controls

### EKWHCTRL1



- > Wall controller
- > Fully modulating
- > In combination with EKWHCTRL0

Depth: 126 mm

### Flexible installation

Daikin Altherma HPC can be installed in four different ways, allowing you to install it in almost all conditions. The unit can be positioned horizontally or vertically. For horizontal, in-ceiling installation, three different possibilities are offered:

- > Horizontal cover panel and vertical grille for air outlet
- > Horizontal intake grille and vertical grille for air outlet
- > Horizontal intake and outlet grilles





More details and final information can be found by scanning or clicking the QR codes.





Indoor unit					FWXV10ABTV3(R)	FWXV15ABTV3(R)	FWXV20ABTV3(R)
Cooling capacity	Min.			kW	0.78	1.10	1.13
t 7/12 °C	Med.			kW	1.11	1.65	1.98
	Max.			kW	1.62	2.64	2.99
ensible cooling	Min.			kW	0.58	0.82	0.85
apacity at 7/12 °C	Med.			kW	0.71	1.15	1.55
	Max.			kW	1.25	1.91	2.33
leating capacity	Min.			kW	0.87	1.12	1.11
t 45/40 °C	Med.			kW	1.27	1.83	2.32
	Max.			kW	1.96	2.86	3.50
ower input	Min.			w	6	7	8
	Med.			w	10	13	15
	Max.			w	19	25	31
an speed	Min.			RPM		720	
	Med.			RPM		1,220	
	Max.			RPM		1,700	
Casing	Colour					White, RAL 9003	
•	Material					Metal sheet	
Dimensions	Unit	Height		mm		601	
		Width		mm	999	1,199	1,399
		Depth		mm		135	,,
	Packed unit	Height		mm		690	
		Width		mm	1,230	1,430	1,630
		Depth		mm	.,_50	210	1,050
Veight	Unit	p		kg	20	23	26
3	Packed unit			kg	21	24	27
acking	Material			Ng		Carton	2/
acking				lea		1	
leat exchanger	Weight			kg		1	
Heat exchanger Quantity Internal coil volume					0.80	1.13	1.46
		MO	_	-	0.80	10	1.40
M-4	Dining and a sting of the state of	Max Operating pressure	e	bar			
Vater circuit	Piping connections diameter			inch		3/4" male	
	Piping material					Copper	_
	Heating - Water pressure	Min.		kPa	7	9	8
	drop at 45/40 °C	Med.		kPa	8	14	15
		Max.		kPa	11	23	22
	Cooling - Water pressure	Min.		kPa	7	9	8
	drop at 7/12 °C	Med.		kPa	8	14	15
		Max.		kPa	11	23	22
	Heating - Water flow rate	Min.		kg/h	150	193	191
	at 45/40 °C	Med.		kg/h	218	315	399
		Max.		kg/h	337	492	602
	Cooling - Water flow rate	Min.		kg/h	134	189	194
	at 7/12 °C	Med.		kg/h	191	284	341
		Max.		kg/h	279	454	514
	Pressure	Heating/Max.		bar		10	
ound power level	Min.			dBA	40	42	43
	Med.			dBA	47	49	50
	Max.			dBA	56	57	58
peration range	Heating	Water side	Min.	°C		30	
-			Max.	°C		85	
	Cooling	Water side	Min.	°C		5	
	-		Max.	°C		18	
	Indoor installation	Ambient	Min.	°CDB		0	
			Max.	°CDB		45	
Control systems	Infrared remote control					no	
,	On-board control					yes	
lectrical specification					FWXV10ABTV3(R)	FWXV15ABTV3(R)	FWXV20ABTV3(R)
ower supply	Phase					1	
	Frequency			Hz		50	
				V		230	
	Voltage						
lectrical power	Voltage				19	25	31
Electrical power	Voltage Max. Standby			W	19	25 4	31 5

More details and final information can be found by scanning or clicking the QR codes.









E/V/XT-VT//3CI

Indoor unit					FWXT10ABTV3(C)(L)(CL)	FWXT15ABTV3(C)(L)(CL)	FWXT20ABTV3(C)(L)(CL)
Cooling capacity	Min.			kW	0.49	0.62	0.70
at 7/12 °C	Med.			kW	0.88	1.08	1.21
	Max.			kW	1.24	1.61	1.94
Sensible cooling	Min.			kW	0.37	0.52	0.57
capacity at 7/12 °C							
capacity at 7/12 C	Med.			kW	0.70	0.86	1.02
	Max.			kW	0.98	1.27	1.52
Heating capacity	Min.			kW	0.55	0.79	0.74
at 45/40 °C	Med.			kW	1	1.36	1.55
	Max.			kW	1.50	2.01	2.13
Power input	Min.			w		5	
	Mid.			w	8	9	10
	Max.			w	19	20	29
Fan speed	Min.			RPM	···	680	
run specu	Med.			RPM		1,100	
	Max.			RPM		1,500	
Casing	Colour					White, RAL 9003	
	Material					Metal sheet	
Dimensions	Unit	Height		mm		335	
		Width		mm	902	1,102	1,302
		Depth		mm		128	
	Packed unit	Height		mm		490	
		Width		mm	1,030	1,230	1,430
		Depth		mm	.,,,,,,,	210	1,130
Maiabt	Unit	Бериі			14	16	19
Weight				kg			
	Packed unit			kg	15	17	20
Packing	Material					Carton	
	Weight			kg		1	
Heat exchanger	eat exchanger Quantity					1	
Internal coil volume				- 1	0.50	0.61	0.77
		Max Operating press	ure	bar		10	
Water circuit	Piping connections diameter			inch		3/4" male	
	Piping material	·				Copper	
	Heating - Water pressure	Min.		kPa	5.10	4.81	6
	drop at 45/40 °C						
	drop at 45/40 C	Med.		kPa	12	6.30	6.40
		Max.		kPa	16.30	7.20	8.10
	Cooling - Water pressure	Min.		kPa	4.80	4.70	5.50
	drop at 7/12 °C	Med.		kPa	10.50	5.60	5.40
		Max.		kPa	11.70	5.10	5.30
	Heating - Water flow rate	Min.		kg/h	100	140	150
	at 45/40 °C	Med.		kg/h	170	240	300
		Max.		kg/h	260	350	420
	Cooling - Water flow rate	Min.		kg/h	80	110	120
	at 7/12 °C				150	190	210
	at // 12 C	Med.		kg/h			-
		Max.		kg/h	210	280	330
	Pressure	Heating/Max.		bar		10	
Sound power level	Min.			dBA	35	36	37
	Med.			dBA	46	47	48
	Max.			dBA	53	54	55
Operation range	Heating	Water side	Min.	°C		30	'
	3		Max.	°C		85	
	Cooling	Water side	Min.	°C		5	
	Cooling	water side					
			Max.	°C		18	
	Indoor installation	Ambient	Min.	°CDB		0	
			Max.	°CDB		45	
Control systems	Infrared remote control					yes for -C models	
	On-board control					yes	
Electrical specificati	ons				FWXT10ABTV3(C)(L)(CL)	FWXT15ABTV3(C)(L)(CL)	FWXT20ABTV3(C)(L)(CL)
Power supply	Phase					1	
	Frequency			Hz		50	
				V			
	Voltage					230	
Electrical power	Max.			W	19	20	29
consumption	Standby			W	3	4	5
Current	Maximum running current			Α	0.16	0.18	0.24

More details and final information can be found by scanning or clicking the QR codes.





FWXM-ATV3R

Indoor unit					FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)		
Cooling capacity	Min.			kW	0.75	1.15	1.32		
at 7/12 °C	Med.			kW	1.36	2.08	2.39		
	Max.			kW	2.12	2.81	3.30		
Sensible cooling	Min.			kW	0.59	0.83	1.02		
capacity at 7/12 °C	Med.			kW	1.07	1.51	1.84		
	Max.			kW	1.72	2.11	2.71		
Heating capacity	Min.			kW	0.82	1.20	1.47		
t 45/40 °C	Med.			kW	1.53	2.16	2.59		
	Max.			kW	2.21	3.02	3.81		
Power input	Min.			w	4	6	5		
	Med.			w	8	11	11		
	Max.			w	19	20	29		
an speed	Min.			RPM	<del></del>	680			
un specu	Med.			RPM		1,100			
	Max.			RPM		1,500			
Casing	Material			TAI IVI		No casing			
		Hataka .							
Dimensions	Unit	Height		mm	725	576	1105		
		Width		mm	725	925	1,125		
	2.1.1.1	Depth		mm		126			
	Packed unit	Height		mm		690			
		Width		mm	830	1,030	1,230		
		Depth		mm		210			
Veight	Unit			kg	12	15	18		
	Packed unit			kg	13	16	19		
acking	Material					Carton			
	Weight			kg		1			
leat exchanger	Quantity				1	1	1		
Internal coil volume				- 1	0.80	1.13	1.46		
		Max Operating press	ure	bar	10				
Vater circuit	Piping connections diamete			inch		3/4" male			
vater circuit	Piping material					Copper			
	Heating - Water pressure	Min.		kPa	1.50	2.70	3		
	drop at 45/40 °C	Med.		kPa	4.30	9.30	8.90		
	arop at 15, 10°C	Max.		kPa	1.90	19.10	21.20		
	Cooling Water prossure								
	Cooling - Water pressure drop at 7/12 °C	Min.		kPa	1.90	2.70	2.50		
	diop at 7/12 C	Med.		kPa	4.30	9.90	8.80		
		Max.		kPa	8.20	17.10	18		
	Heating - Water flow rate	Min.		kg/h	141	206	253		
	at 45/40 °C	Med.		kg/h	263	372	445		
		Max.		kg/h	380	519	655		
	Cooling - Water flow rate	Min.		kg/h	129	198	227		
	at 7/12 °C	Med.		kg/h	234	358	411		
		Max.		kg/h	365	483	568		
	Pressure	Heating/Max.		bar		10			
ound power level	Min.			dBA	35	36	36		
-	Med.			dBA	45	46	47		
	Max.			dBA	53	54	55		
Operation range	Heating	Water side	Min.	°C		30			
,			Max.	°€		85			
	Cooling	Water side	Min.	°C		5			
	coomig	atci side	Max.	°C		18			
	Indooringtallation	Ambient							
	Indoor installation	Ambient	Min.	°CDB		0			
	Information 1 1 1		Max.	°CDB		45			
ontrol systems	Infrared remote control					no			
	On-board control				FINIVAMO ATIVO/D'	no	PINNARO ATT (C.T.)		
lectrical specificati					FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)		
ower supply	Phase					1			
	Frequency			Hz		50			
	Voltage			V		230			
	Max.			W	19	20	29		
Electrical power									
electrical power consumption	Standby			w	3	4	5		



			_				
			FWXV10ABTV3(R) FWXV15ABTV3(R)	FWXT10ABTV3(C)(L)(CL) FWXT15ABTV3(C)(L)(CL)	FWXM10ATV3(R)	FWXM15ATV3(R)	FWXM20ATV3(R)
Description	Dietuvo	Material name	FWXV20ABTV3(R)	FWXT20ABTV3(C)(L)(CL)			
Description	Picture	Material name					
On-board electronic control SMART TOUCH with PID full modulating fan and thermostat	23.0 (- +   * 0)	EKRTCTRL1	•				
On-board electronic control SMART TOUCH 4 speeds with thermostat		EKRTCTRL2	•				
On-board 4 speeds control switch to be combined with Daikin compatibe thermostats	9 · • • 0 7	EKPCBO	•		•	•	•
On board 4 speeds control box to be combine with 4 speed thermostats		EKPCB4S	0		•	0	•
On board 1-10V control box to be combine with 1-10V thermostats		EKPCB10	•		•	•	•
On-board controller for EKWHCTRL1		EKWHCTRL0	0		•	0	•
SMART LCD wall controller with temperature probe, white casing	(	EKWHCTRL1	•	(excl. FWXT-ABTV3(C/CL)	•	•	•
SMART LCD wall controller with temperature probe, white casing, including indoor air quality sensor	(-1) (-1) (-1) (-1) (-1) (-1) (-1) (-1)	EKWHCTRL1A	•				
IR remote control	O A A A A A A A A A A A A A A A A A A A			Standard (only FWXT-ABTV3(C/CL))			
Fresh air damper kit		EKFCD80	0				
Aesthetical feet	(Lyr)	EKFA	•				
Motorised 2-way valve (FWXV/M)	₩ ₩	EK2VK0	0		•	0	0
Motorised 2-way valve (FWXT)		EKT2VK0		•			
Motorised 3-way valve (FWXV/M)		EK3VK1	•		•	•	•
Motorised 3-way valve (FWXT)		EKT3VK1		•			
L-bow 90 °C		EKEUR90	•		•	•	•
Extension piece		EKDIST	•		•	•	•
Condensate collector tray for horizontal	[ <del></del>	EKM10COH	0				
installation		EKM15COH EKM20COH	0				
M-4-1	- F	EKM10CS			0		
Metal casing		EKM15CS EKM20CS				0	•
Front source for soiling installation		EKM10CH EKM15CH			0		
Front cover for ceiling installation		EKM20CH				•	0
Front cover for wall installation	/	EKM10CV EKM15CV			•	0	
TION COVELIOF WAII HISTAIIALION		EKM15CV EKM20CV				•	0
Air intake fitting		EKM10DH EKM15DH			•		
Air intake fitting		EKM15DH EKM20DH				0	•
00°C aybayet bar d (U-vit "	B	EKM10D90			•		
90 °C exhaust bend (Horizontal)		EKM15D90 EKM20D90				•	•
		EKM10DT			0		
Telescopic air flow duct		EKM15DT				•	
	<u> </u>	EKM20DT EKM10IS			•		•
Aluminum air intake grille with straight airflow		EKM15IS				•	
		EKM20IS EKM10SV			•		•
Straight airflow vent		EKM15SV				•	
		EKM20SV					•
Aluminum air intake grille with curved airflow		EKM10IC EKM15IC			•	•	
5		EKM20IC					•
Aluminum air outlet grille with curved airflow		EKM10CA EKM15CA			•	0	
		EKM20CA					•



# Daikin Altherma ST -Solar heating systems

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Solar panel - pressurised system	314
Solar panels - drain-back system	316
Solar collector	319
Pump station	319



# Daikin Altherma ST Maximising renewable energy

# Why choose a Daikin Altherma ST solar panel?

Daikin's solar panels are designed to complement a variety of heating systems to garner more renewable energy to deliver hot water to your home.





### Comfort

- Flexible solar system for pressureless (drain-back) and pressurised solar systems
- Hot tap water and heating support generated by solar energy
- Highly efficient flat solar panels that are available in 3 installation options:
- On roof
- In-roof
- Flat roof



ECH<sub>2</sub>O thermal store range: Hot water savings with solar energy

Reduce your energy costs by taking advantage of the sun's renewable energy with our solar hot water systems. Built for small and large homes, individuals can choose between a pressureless or pressurised hot water system.



# Reliability

### **Keymark Certificate**

 Daikin's solar collectors have been awarded the Solar Keymark certification. Recognised across Europe, the Keymark for solar thermal products helps users select quality solar collectors. In most European countries this certification is mandatory for the products to be eligible for subsidies







# The Drain-Back solar system



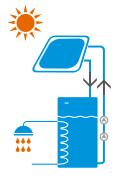
# How is it working?

- > Starting the pump station engages the filling of the primary network and ensures the energy transfer from the solar collectors to the thermal store.
- > Whenever the pump station stops working, the water contained in the collectors goes down back to the thermal store
- > The air intake allowing the draining is ensured by an orifice always placed out of water (at atmospheric pressure)
- > Thanks to this unique way of working, no safety devices, safety valves, expansion vessels, anti-return valve or glycol are necessary



# **✓** Advantages

- > 0% glycol: the liquid carrying the heat is only the water inside the system
- > Self-working system with the pump station modulations depending the temperatures inside the collectors and the thermal store
- > Automatic management of the defrost mode and avoidance of overheating mode
- > No commissioning on the solar system, no replacement of the heat-carrying liquid



# The pressurised solar system



# **✓** How is it working?

- > The heat-carrying liquid is mixed with glycol to avoid freezing in the solar collectors system
- > Whenever the solar collectors reach an useful temperature level, the system provides a continuous supply of energy
- > The energy from the collectors is returned to the thermal store thanks to the coil



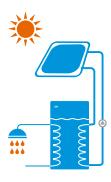
# Advantages

#### Monovalent

> The solar system is used as first heating source and can be coupled with a wall mounted boiler. The cold water is first pre-heated in the thermal store and the boiler can provide additional heat instantaneously if needed

#### **Bivalent**

> The solar system integrates a backup heater. The domestic hot water is directly produced in the thermal store. The additional heater ensures the back-up in case of low sunshine



### Material list for standard solar panel systems for hot water preparation and heating support EKSV21P

### Solar panel EKSV21P















Number of solar panels Type of installation Article	Туре	Order No.	2 On-roof Quantity	2 In-roof Quantity	3 On-roof Quantity	3 In-roof Quantity	4 On-roof Quantity	4 In-roof Quantity	5 On-roof Quantity	5 In-roof Quantity
Solar panel	EKSV21P	16 20 12-RTX	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16-RTX	1	1	2	2	3	3	4	4
Installation rail for individual solar panel	FIX MP 100	16 20 66	2	2	3	3	4	4	5	5
On-roof installation kit for one solar panel DB+P) (2 roof hooks per kit)	FIX-ADDP	16 20 85	42)	0	6 <sup>2)</sup>	0	82)	0	102)	0
In-roof installation package, basic storage for two solar panel	IB EKSV21P	16 20 17	0	1	0	1	0	1	0	1
In-roof installation package, additional storage for central solar panel	IE EKSV21P	16 20 18	0	0	0	1	0	2	0	3

### Material list standard solar panels with Drain-back system





Type of installation	Туре	Order No.	On-roof Quantity	In-roof Quantity
Control and pump unit	RPS 4	EKSRPS4A	1	1
Support for connecting pipe solar panel	TS	16 42 45	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP anthracite EKSRCRP red	1	0
Installation accessories, solar panel in-roof	RCIP	16 20 37- RTX	0	1

Nominal volume, complete system								
Number of solar panels	2	3	4	5				
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20				
Nominal system volume (L)	20.2	21.5	22.8	24.1				

### Material list solar panels with pressurised system 1)



Number of solar panels Article	Туре	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system 1)	RCP	EKSRCP	1	1	1



Drain-back system



### Pressurised system

- DB) Only required for installations with drain-back system.
- P) Only required for pressurised installations.
- Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.
- 1) The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
- 2) The number of roof hooks must be checked if necessary (see installation instructions ADM).

### Material list for standard solar panel systems for hot water preparation and heating support EKSV26P

### Solar panel EKSV26P











	_		-			-								
Number of solar panels Type of installation / Article	Туре	Order No.	2 On-roof Quantity	2 In-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 In-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 In-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 In-roof Quantity	5 Flat roo Quantit
Solar panel	EKSV26P	EKSV26P	2	2	2	3	3	3	4	4	4	5	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	1	1	1	2	2	2	3	3	3	4	4	4
Mounting rail single collector	FIX MP 130	16 20 67	2	2	2	3	3	3	4	4	4	5	5	5
On-roof installation pack for one solar panel DB+P) (2 roof hooks per kit)	FIX- ADDP	16 20 85	4 <sup>2)</sup>	0	0	6 <sup>2)</sup>	0	0	82)	0	0	10 <sup>2)</sup>	0	0
In-roof installation kit, basic flashing for two solar panels	IB V26P	16 20 19	0	1	0	0	1	0	0	1	0	0	1	0
In-roof installation pack, additional flashing for central solar panel	IE V26P	16 20 20	0	0	0	0	1	0	0	2	0	0	3	0
Flat-roof frame, basic pack for two solar panels	FB V26P	16 20 58	0	0	1	0	0	1	0	0	1	0	0	1
Flat-roof frame, expansion pack additional solar panel	FE V26P	16 20 59	0	0	0	0	0	1	0	0	2	0	0	3

### Material list standard solar panels with Drain-back system



Number of solar panels Installation type / Article	Туре	Order No.	On-roof Quantity	In-roof Quantity	Flat roof Quantity
Control and pump unit	EKSRPS4A	EKSRPS4A	1	1	1
Additional support troughs for connecting pipe solar panel	TS	16 42 45	1	1	1
Connection pipe solar panel	CON 15	16 47 32	1	1	1
Roof penetration pack solar panel on-roof	EKSRCAP EKSRCRP	EKSRCAP Anthracite EKSRCAP Red	1	0	0
Installation accessories, solar panel in-roof	RCIP	16 20 37-RTX	0	1	0
Roof penetration pack solar panel flat roof	RCFP	16 20 38-RTX	0	0	1

### Material list solar panels with pressurised system $^{1)}$



Number of solar panels Installation type / Article	Туре	Order No.	up to 2 Quantity	up to 3 Quantity	4 to 5 Quantity
Controller	EKSDSR1A	EKSDSR1A	1	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	1	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	0	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	0	1
Installation material solar panel with pressure system 1)	RCP	EKSRCP	1	1	1

Nominal volume, complete system							
Number of solar panels	2	3	4	5			
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20			
Nominal volume entire system (L)	21	22.7	24.4	26.1			

### Solar panel - Overview EKSH26P - standard horizontal model

### Material list for standard solar panel systems for hot water preparation and heating support EKSH26P

### Solar panel H26 P



Number of solar panels Type of installation Article	Туре	Order No.	1 On-roof Quantity	1 Flat roof Quantity	2 On-roof Quantity	2 Flat roof Quantity	3 On-roof Quantity	3 Flat roof Quantity	4 On-roof Quantity	4 Flat roof Quantity	5 On-roof Quantity	5 Flat roof Quantity
Solar panel	EKSH26P	EKSH26P	1	1	2	2	3	3	4	4	5	5
Solar panel connection	FIX-VBP	16 20 16 - RTX	0	0	1	1	2	2	3	3	4	4
Installation rail guide for individual solar panel	FIX MP 200	16 20 68	1	1	2	2	3	3	4	4	5	5
On-roof installation pack for one solar panel <sup>P)</sup> (4 roof hooks per kit)	FIX- ADDP	16 20 85	2 <sup>2)</sup>	0	<b>4</b> <sup>2)</sup>	0	62)	0	82)	0	102)	0
Flat roof support frame basic kit for one solar panel	FB H26P	16 20 60	0	1	0	1	0	1	0	1	0	1
Flat roof trestle Extension pack for one additional solar panel	FE H26P	16 20 61	0	0	0	1	0	2	0	3	0	4



Nominal volume, complete system							
Number of solar panels	2	3	4	5			
Connecting line 15 m	DN 16	DN 16	DN 20	DN 20			
Nominal volume system (L)	21.6	23.9	26	28.1			

### Material list solar panels with pressurised system 1)



P)	Only required for pressurised
	installations.
*	Standard recommendation,

\* Standard recommendation, after detailed expansion vessel calculation, other expansion vessels may be necessary.

Pressurised system

- The roof penetration for on-roof and flat roof installation is to be provided by the customer. The solar fluid must be ordered separately.
- The number of roof hooks must be checked if necessary (see installation instructions ADM).

Number of solar panels Installation type / Article	Туре	Order No.	up to 3 Quantity	4 to 5 Quantity
Pressurised thermal store	EKHWP500PB	EKHWP500PB	1	1
Controller	EKSDSR1A	EKSDSR1A	1	1
Pressure station solar panel	EKSRDS2A	EKSRDS2A	1	1
Solar panel pressurised solar line DN16 15 m	CON 15P16	16 20 73	1	0
Solar panel pressurised solar connection kit DN16	CON CP16	16 20 75	1	0
Solar panel pressurised solar line DN20 15 m	CON 15P20	16 20 74	0	1
Solar panel pressurised solar connection kit DN20	CON CP20	16 20 76	0	1
Solar panel expansion vessel 12 L *	MAG S12	16 20 70	0	0
Solar panel expansion vessel 25 L *	MAG S 25	16 20 50	1	0
Solar panel expansion vessel 35 L *	MAG S 35	16 20 51	0	1
Installation material solar panel with pressure system 1)	RCP	EKSRCP	1	1

### Solar panel - Overview EKSV26P - standard vertical model

### List of materials for solar components that connect several storage tanks



Total number of storage tanks Article	Туре	Order No.	2 Quantity	3 Quantity
Solar panel storage tank extension kit	CON SX	16 01 20	1	1
Solar panel storage tank extension kit 2	CON SXE	16 01 21	0	1

## Solar panels for pressurised use and Drain-back system







### High-efficiency flat solar panels

Stable watertight solar panel frame made of black anodised aluminium, highly special coating and safety glass, low-reflection, efficient heat insulation of the solar panel back plane with mineral wool. The minimum efficiency of the solar panel is more than 525kWh/m² per year (location: Würzburg, Germany). Suitable for drain-back and pressurised systems.

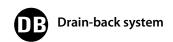
		Article	Туре	Order No.
High-efficiency flat solar panel EKSV21P		(2,000 x 1,006 x 85 mm), solar panel area 1.79 m², Weight 35kg, water content 1.3 l. Max. 6 bar.	EKSV21P	EKSV21P
High-efficiency flat solar panel EKSV26P		$(2,000 \times 1,300 \times 85 \text{ mm})$ , solar panel area 2.35 m², Weight 42kg, water content 1.7 l. Max. 6 bar.	EKSV26P	EKSV26P
High-efficiency flat solar panel EKSH26P		$(1,300 \times 2,000 \times 85 \text{ mm})$ , solar panel area 2.35 m², Weight 42kg, water content 2.1 l. Max. 6 bar.	EKSH26P	EKSH26P
Solar panel connection	0)	Installation profile connector, expansion joints and double clamping blocks.	FIX-VBP	16 20 16-RTX
Installation profile rail for EKSV21P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 100	16 20 66
Installation profile rail for EKSV26P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 130	16 20 67
Installation profile rail for EKSH26P		Consisting of installation profile rails and solar panel securing clips.	FIX MP 200	16 20 68
Support for connecting pipe solar panel		Support troughs (5 in number, length, in each case, 1.3 m) for support of the solar panel plastic connection lines in Drain-Back.	TS	16 42 45
On-roof installation pack slate	•	4 roof hooks for flat roofing, e.g. slate, for one solar panel.	FIX ADS	16 47 23
On-roof installation pack MULTI	// / / C	2 height-adjustable roof hooks for drain-back and pressure system, including mounting materials.	FIX-ADDP	16 20 85
Roof holder for corrugated covering		4 holders including fixing material for one solar panel.	FIX-WD	16 47 03-RTX
Roof holder for welded sheet metal covering	A service	4 holders including fixing material for one solar panel. Note: for on-roof installation only.	FIX-BD	16 47 04-RTX

# Solar panels for pressurised use and Drain-back system





	Article	Туре	Order No.
Basic in-roof assembly package EKSV21P	Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V21P	16 20 17
Extension kit in-roof mounting EKSV21P	Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IEV21P	16 20 18
Basic in-roof mounting pack EKSV26P	Basic flashing for two solar panels, duct set including installation material. Minimum roof gradient 15°.	IB V26P	16 20 19
Expansion in-roof mounting pack EKSV26P	Additional package for an additional solar panel, duct set including installation material. Minimum roof gradient 15°.	IE V26P	16 20 20
In-roof covering slate supplementary pack	30 layer pieces for flat coverings, e.g. slate (per basic in-roof pack you will need one supplementary pack).	FIX-IES	16 46 16-RTX
Basic pack flat-roof frame for mounting of two EKSV26P solar panels on flat roofs	Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB V26P	16 20 58
Extension pack flat-roof frame for one additional EKSV26P solar panel	Extension for FB V26P.	FE V26P	16 20 59
Basic pack flat-roof frame for mounting of one EKSH26P collector on flat roofs	Pre-assembled system for simple and rapid installation, adjustable gradient (30° to 60°). Suitable for wind load zone WLZ 2 (only to a limited extent for WLZ 3).	FB H26P	16 20 60
Extension pack flat-roof frame for one additional EKSH26P solar panel	Extension for FB H26P.	FE H26P	16 20 61
Disassembly tools ducts drain-back system		FIX LP	16 20 29-RTX





# Solar panel - pressurised system



		Article	Туре	Order No.
Controller	900	Temperature-difference regulator for the solar panel with pressure system. Regulator with graphic display for representation of hydraulic schematics and yield balances, for example. Including return flow and storage tank temperature sensor and housing for wall mounting.	EKSDSR1A	EKSDSR1A
Pressure station		Consists of: Pipe connection ø 22 mm including pipe compression fittings and support sleeves (5x), flow measurement unit with 2 x KFE cock, integrated air separator, ball-cocks with integrated backflow prevention, Grundfos Solar 25-65 pump, safety group with pressure gauge, including insulation and installation accessories.	EKSRDS2A	EKSRDS2A
Fill and drain connection		For RPS3 and tanks from 2013 onwards, for easy filling and emptying through the fill and drain valve.	KFE BA	16 52 15
Solar panel pressurised solar line DN 16		15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 16. For systems of up to 3 solar panels and a line length of up to 25 m. Without connection fittings.	CON 15P16	16 20 73
Solar panel pressurised solar connection kit DN 16		All necessary fittings for connecting the pressurised solar line DN 16. Required together with CON 15P16.	CON CP16	16 20 75
Solar panel pressurised solar connection kit DN 16	00000000000000000000000000000000000000	Fittings for connecting two pressurised solar lines DN 16.	CON XP16	16 20 71
Solar panel pressurised solar line DN 20	· · · · · · · · · · · · · · · · · · ·	15 m thermally-insulated stainless steel corrugated pipe line for solar panel pressurised systems with inserted sensor line nominal size DN 20. For systems up to 5 solar panels and a line length of up to 25 m. Without connection fittings.	CON 15P20	16 20 74
Pressurised solar connection kit DN 20		All necessary fittings for connecting the pressurised solar line DN 20. Always required together with CON 15P20.	CON CP20	16 20 76
Solar panel pressurised solar connection kit DN 20	30000000000000000000000000000000000000	Fittings for connecting the pressurised solar line DN 20.	CON P20	16 20 72
Installation material solar panel pressurised system		Connection fittings for pressurised systems and solar panel installation material, consisting of installation material for solar panel and connection pipe, 2 m UV-proof thermal insulation for the outer area, connection fittings and panel temperature sensor. The roof penetration must be provided to the customer.	RCP	EKSRCP
Solar panel row connection for the solar panel with pressure system		Connection kit for connecting two rows of solar panels in parallel. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.	CON LCP	16 20 45

# Solar panel - pressurised system



		Article	Туре	Order No.
Expansion vessel 12 L with connection block		For solar panels with pressure systems of max. 2 x EKSV21P - solar panels.	MAG S12	16 20 70
Expansion vessel 25 L with connection block		For solar panels with pressure systems of max. 3 solar panels.	MAG S 25	16 20 50
Expansion vessel 35 L with connection block		For solar panels with pressure systems of max. 5 solar panels.	MAG S 35	16 20 51-RTX
GLYCOL CORACON SOL 5F	*	20 L can of pre-mixed solar fluid, functional range up to -28 °C.	CORACON SOL 5F	16 20 52-RTX
Fill and draining valve				16 41 17
GLYCOL CORACON SOL 5		1 L of solar fluid concentrate for extension of the frost range. With 20 L of solar fluid with 1 L additive, the use range extends down to -33 °C. For 20 L of solar fluid with 2x 1 L of additive, the functional range is extended to -38 °C.	CORACON SOL 5	16 20 53
Circulation lance		For energetically-optimised incorporation of the domestic hot water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector		Thermal safety device for the domestic water pipe. Setting range 35-60 °C.	VTA32	15 60 15
Screw connection kit 1"		For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V		With capillary tube temperature sensor, setting range 35-85 °C.	SCS-TR	16 41 30
3-way switching valve 1" male		With motor drive 230V, switchover time 6 sec.	3 W-UV	15 60 34

# Solar panels - drain-back system



		Article	Туре	Order No.
EKSRPS4 regulation and pump unit		Ready to plug in unit (230V), with digital differential temperature regulation, return and storage tank temperature sensors, high-efficiency circulation pump.  INFO:  The flow sensor (FLS 20), included in the supply, provides more effective operation of the EKSRPS4. In addition to direct calculation of the heat output, the sensor allows modulation of the operating pump and thus an additional saving in electrical energy.	EKSRPS4	EKSRPS4A
Additional pump set RPS4				164243
Fill and tap connection solar panel with drain-back system		For easy filling of solar panels with drain-back system from 2013 onwards through the solar flow connector.	KFE DB BA	16 52 16
Burner blocking contact connection cable	0	For RPS2, RPS3, RPS3 M, RPS3 25M.	BSKK	16 41 10-RTX
Solar panel FlowGuard solar flow regulator		With solar flow indicator 2-16 l/min.	FLG	16 41 02-RTX
Connection tube solar panel		Ready to connect connection line 15 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 15	16 47 32
Connection tube solar panel		Ready to connect connection line 20 m between solar panel and pump station, consisting of thermally-insulated flow and return line with integrated sensor cable.	CON 20	16 47 33
Solar panel solar flow sensor 100		Sensor for expanding RPS3 25M control system, enables heat yield metering in large installations. Measuring range up to 100 l/min.	FLS 100	16 41 03-RTX
Extension		For connecting a collector array (EKSV21P, EKSV26P, EKSH26P) to the on-site rigid copper connection pipes when using roof penetration box kits EKSRCAP, EKSRCRP, RCIP, RCFP.	CON X20 25M	16 42 31

# Solar panels - drain-back system



	_	Article		Type	Order No.
Extension connection tube solar panel		2 3 4	L = 2.5  m L = 5.0  m L = 10.0  m	CON X 25 CON X 50 CON X 100	16 42 61 16 42 62 16 42 63
Extension of the inflow pipe		UV-resistant thermally-insulated, length = 8 m, i connecting fitting for the solar panel sensor line	-	CON XV 80	16 42 64
On-roof roof penetration, anthracite		Roof penetration pack with connection fittings installation material, consisting of anthracite roc installation material for solar panel and connect heat insulation for the outer area, connection fit tools and panel temperature sensor.	of penetration, ion pipe, 2 m UV-prod	of EKSRCAP	EKSRCAP
On-roof roof penetration, tile red	**************************************	Roof penetration pack with connection fittings installation material, consisting of tile red roof p material for solar panel and connection pipe, 2 insulation for the outer area, connection fittings and panel temperature sensor.	enetration, installatior m UV-proof heat	EKSRCRP	EKSRCRP
Solar panel panel row connection		Connection kit for connecting two rows of solar panels one above the other. Consisting of solar panel installation material, equipotential bonding terminals, end caps, connection elbows and 1 m thermally-insulated piping.		( ( )NI RV/P	16 20 35-RTX
Installation material, solar panel in-roof		Ready to plug in including installation material a fittings.	and connection	RCIP	16 20 37-RTX
Roof penetration, flat roof		Roof penetration pack with connection fittings installation material, consisting of flat-roof roof paterial for solar panel and connection pipe, 8.1 insulation for the outer area, connection fittings and panel temperature sensor.	penetration, installation m UV-proof heat	RCFP	16 20 38-RTX
Roof penetration flat-roof for alternate side solar panel connection		Flat roof penetration with screw connections ar penetration openings which are not used.	nd blind plugs for	CON FE	16 47 09
Solar panel boiler extension kit		Connection kit for the connection of two warm- consisting of drain-back connection tube and le	_	CON SX	16 01 20

# Solar panels - drain-back system



	Article	Туре	Order No.
Solar panel storage tank extension kit 2	Connection kit for the connection of additional warm-water storage tanks, consisting of drain-back connection tube and lead supply line.	CON SXE	16 01 21
Circulation lance	For energetically-optimised incorporation of the tap-water circulation in the hot water connection of the warm-water storage tank.	ZKL	16 51 13
Thermostatic mixer as scalding protector	Thermal safety device for the warm-water pipe. Setting range 35-60 °C.	VTA32	15 60 15
Screw connection kit 1"	For connection of the scald protection VTA32.		15 60 16
Thermostatic regulator 230V	With capillary tube temperature sensor, setting range 35-85 °C.	SCS-TR	16 41 30
3-way switching valve 1" male	With motor drive 230V, switch-over time 6 sec.	3 W-UV	15 60 34
Collector connector (connect B)			164201-RTX
Connector 18/18			164233-RTX
Connector 15/15			164234-RTX
Plug-in coupling for RPS4 22/15			164237-RTX

### **Solar collector**

### Thermal solar collector for hot water production

- Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- > Horizontal solar collector for domestic hot water production
- > Vertical solar collector for domestic hot water production
- > High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- > Easy to install on roof tiles
- > Can be used for drain-back and pressurised applications

More details and final information can be found by scanning or clicking the QR codes.







Accessory			EKSV21P	EKSV26P	EKSH26P
Mounting			Ver	tical	Horizontal
Dimensions	Unit HeightxWidthxDepth	mm	2,000x1,006x85	2,000x1,300x85	1,300x2,000x85
Weight	Unit	kg	33	4.	2
Volume		L	1.30	1.70	2.10
Surface	Outer	m²	2.01	2.6	50
	Aperture	m²	1,800	2,3	60
	Absorber	m²	1.80	2.3	36
Coating		Micro-therm (absorption max. 96%, Emission ca. 5% +/-2%)			
Absorber			Harp-shaped copper pipe reg	gister with laser-welded highly sele	ctive coated aluminium plate
Glazing			Single	e pane safety glass, transmission +/	- 92%
Allowed roof an	gle Min. ~ Max.	٥		15 ~ 80	
Operating press	ure Max.	bar		6	
Stand still temperature	Max.	°C		192	
Thermal	Collector efficiency (ηcol)	%		53	
performance	Zero loss collector efficiency η0	%	0.71		
	Heat loss coefficient a1	W/m².K	4,300		
	Temperature dependence of the heat loss coefficient a2	W/ m².K²		0.006	
	Thermal capacity	kJ/K	4.90	6.5	50

### EKSRPS4A/EKSRDS2A

### **Pump station**

- > Save energy and reduce CO<sub>2</sub> emissions with a solar system for domestic hot water production
- > Pump station connectable to drain-back solar system
- Pump station and control provide the transfer of solar heat to the domestic hot water tank

More details and final information can be found by scanning or clicking the QR codes.



EKSRPS4



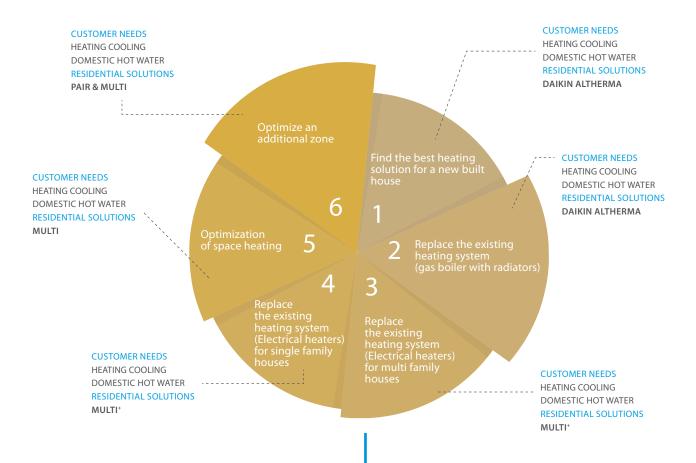
EKSBDS2A



Accessory			EKSRPS4A	EKSRDS2A
Mounting			On side of tank	On wall
Dimensions	Unit Heightx\	VidthxDepth mm	815x142x230	410x314x154
Weight	Unit	kg	6.40	6
Operation range	Ambient temperature Min. ~	Max. °C	5 ~ 40	- ~ 40
Operating pressur	re Max.	bar	-	6
Stand still temperatu	re Max.	°C	85	120
Control Type			Digital temperature difference o	ontroller with plain text display
	Power consumption	W	2	5
Sensor	Solar panel temperature sensor		Pt10	000
	Storage tank sensor		PTC	-
	Return flow sensor		PTC	-
	Feed temperature and flow s	ensor	Voltage signal (3.5V DC)	-
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230	-/50/230
Power supply inta	ke		Indoo	r unit
Auxiliary	Solpump	W	37.3	23
	Annual auxiliary electricity consur	nption Qaux kWh	92.1	89
	Solstandby	W	2.00	5.00



# Residential air-to-air heat pump **SOlutions** according to your customer's needs



# 8 reasons to buy a Daikin (multi-)split system



**Best performance** and **highest energy** efficiencies in cooling and heating



Multi connection up to 5 ports



Best comfort throughout the year, thanks to the **intelligent sensors** and **airflow techniques** 



Top indoor air quality through unique filtration



Reliability thanks to **best technologies** and service



**Highest quality standards**: from parts to production



Connectivity: Remote monitoring and **WLAN available** on all units



Iconic and award-winning design

# Residential air to air solutions

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	R-32 Siesta	range	370
	Siesta wall me	ounted units	370
NEW	ATXM-A/	ARXM-A	37
UPDATE	ATXP-N9/	ARXP-N9	372
NEW	ATXF-E/A	/ ARXF-E/A	373
	ATXC-D / /	ARXC-D	374
	Siesta multi o	utdoor unit	375
	2/3AMXM	-M9/N9	375
	2-3AMXF-	A(9)	376
	R-32 Nepu	ra range	378
	Wall mounted	d units	380
NEW	<b>DAIKIN</b> emus	FTXTJ-AW/B / RXTJ-A	380
UPDATE	stylish	FTXTA-CW/B / RXTA-C	38
UPDATE	perfera	FTXTM-S / RXTM-A	382
UPDATE	comfora	FTXTP-N / RXTP-A	383
	Floor standing	g units	384
NEW		FVXTM-A / RXTM-A	384
	Options & ac	ccessories	386

### **BLUEVOLUTION**



The Bluevolution technology combines a specifically developed compressor and the R-32 refrigerant. Daikin is the first company in the world to launch heat pumps equipped with R-32. With a lower Global Warming Potential (GWP), the R-32 is equivalent in power to standard refrigerants, but achieves higher energy efficiency and lower CO<sub>2</sub> emissions. Easy to recover and reuse, R-32 is the perfect solution for attaining the new European CO<sub>2</sub> emission targets.

# What should you know from your customer to advise him with the best residential solution?

### What is the best solution for your customer?



# **CUSTOMER NEEDS**

HEATING COOLING

DOMESTIC HOT WATER

**RESIDENTIAL SOLUTIONS** 

**DAIKIN ALTHERMA** 

Find the best heating solution for a new built house

**CUSTOMER NEEDS** 

HEATING COOLING

DOMESTIC HOT WATER

**RESIDENTIAL SOLUTIONS** 

DAIKIN ALTHERMA

1

Replace the existing heating system (gas boiler with radiators)

3

Replace the existing heating system (Electrical heaters) for multi family houses

**CUSTOMER NEEDS** 

HEATING COOLING
DOMESTIC HOT WATER

**RESIDENTIAL SOLUTIONS** 

 $MULTI^{\scriptscriptstyle +}$ 

# Why choose Multi<sup>+</sup>?

Your customer is considering to replace the existing

# heating system with electric heaters

# Your customer's house:

- > Around 80 m<sup>2</sup> or less
- Located in southern Europe, in a single or multi family house
- Max 3 inhabitants

Replace the existing heating system (Electrical heaters) for single family houses CUSTOMER NEEDS

Heating | Cooling | Domestic hot water Replace the existing

Replace the existing heating system (Electrical heaters) for multi family houses CUSTOMER NEEDS

Heating | Cooling | Domestic hot water



# Legend

> Connect Multi+ outdoor unit with up to 3 indoor units and a 90 l or 120 l tank to provide domestic hot water

# 1 - Flexibility

> Connect Multi+ outdoor unit with up to 3 indoor units and a 90 l or 120 l tank to provide domestic hot water



# Extend the system according to your needs

Choose from a market-leading variety of indoor units. You can connect up to three different indoor units to cool or heat your rooms.



# 2 - Efficiency

> Replacing an old air conditioning system and electric hot water tank by Multi+ will give your customer a good return on investment

# Case Study: Second Home by the sea

- > Detached house / 70m<sup>2</sup>
- > Climate zone C (Naples) / Class D → A3

# Saving € in one year



Cooling 43%



**TOTAL 46%** 

Heating + Cooling: OLD MULTISPLIT
Domestic hot water: ELECTRIC WATER HEATER







Equipped with Bluevolution technology providing low environmental impact

A

domestic hot wa





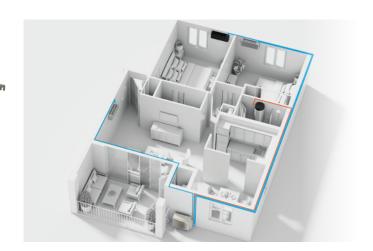
# 3 - Easy installation

### INDOOR AND OUTDOOR UNITS:

Choose which location is most appropriate for the indoor units and the outdoor unit. The physical installation, wiring, drain piping as well as the initial setup is done quickly and easily.

TANK: No need to change the existing piping of the current electric hot water tank: the water connections are easily accessible from the tank bottom. Perfect for a simple and fast installation or maintenance.





# **4** - Full comfort offering heating, hot water AND cooling

Replacing ineffective or outdated electric water heating systems in small households with a modern heat pump solution saves energy and offers a high level of comfort: not only heating and hot water, but also cooling with high efficiencies

# **6** - Control your units, wherever you are

All indoor units are individually controllable with their supplied remote control or via the Onecta app. The Daikin Onecta app enables scheduling, controlling and monitoring of each air-to-air heat pump unit along with controlling and monitoring of the domestic hot water tank – also via voice control. Onecta is compatible with Amazon Alexa and Google Assistant.



# **5** - Save more with photovoltaic solar panels

Thanks to HomeHub, tank optimisation is possible between the tank and photovoltaic solar panels.

For example, with the accessory EKRHH, the electric heater of the tank will be switched on if injection is higher than 1.2 kW. Therefore, during sunny days, hot water will always be available, while the house is cooled.



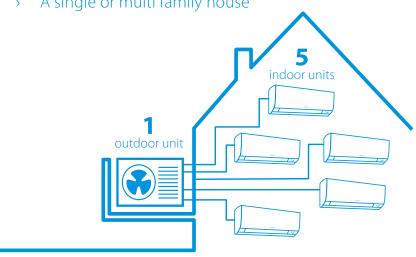
<sup>\*</sup> Pressure relief valve to be installed

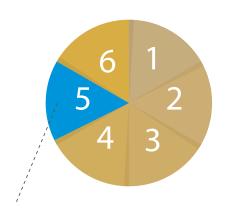
# Why choose Multi?

Your customer wants to keep the existing boiler but reduce the gas consumption. Your customer wants a sustainable heating system while only using gas for water heating.

# Your customer's house:

- > Up to 5 rooms to be heated/cooled
- > Located in a warm or average climate region region
- Any number of inhabitants
- A single or multi family house





Optimization of space heating **CUSTOMER NEEDS** Heating | Cooling

# Legend

> Connect Multi outdoor unit with up to 5 indoor units.

# 1 - Flexibility

There are many possibilities in comfort you can profit from a multi split solution:



**Up to 5 indoor** units connectable to **only one outdoor** unit



Choose from a greater variety of connectable indoor unit types out of our split and Sky Air series



Are you planning an additional indoor unit later on? Just decide now for an outdoor unit with higher capacity and simply connect it later.



Every single indoor unit can be regulated separately



Use **low capacity** indoor units specially designed for small rooms which can only be connected to a multi split system

# 2 - Efficiency

Our big compressors can work very efficiently thanks to the inverter principle. Only the necessary capacity is produced according to the number of indoor units that are switched on. With efficiencies up to A+++\* in heating, your customer can drastically reduce the gas energy bill and only use the gas boiler for producing hot water.

\* Perfera C/FTXM-A in combination with 3MXM52A(9) For exact combinations, please refer to the multi specifications on p. 365



**A**+++\*

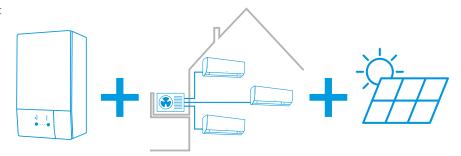


# Quickly reduce on the energy consumption

Add a multisplit system and photovoltaic solar panels to an existing gas boiler and save on your energy bill.

In spring and autumn, simply turn down the radiators or room thermostat. The multisplit will be perfectly capable to cover the full demand.

In the heart of winter, open the radiators and have them work complementary with your air-to-air heat pump, as they will act as a secondary heat source when needed.



# 3 - Easy installation, piping and wiring

Wherever you want to place an outdoor unit, for every unit you will need correct mounting equipment for a secure fixing and problem-free operation.

The physical installation, wiring, drain piping as well as the initial setup of only one system is easy and fast.

# **4** - Full comfort offering heating AND cooling

Adding a multi system to the existing gas boiler, saves energy and offers a high level of comfort. And as a plus, not only heating but also cooling is offered with high efficiencies. But if needed, the heat lock mode exists to block the system to only operate in heating mode.

# 5 - Limited mounting space, low sound

### Limited mounting space

The multi outdoor unit is very compact, which can be installed in different ways (on the wall, on a terrace, in the back of a garden, etc.).

### Low sound

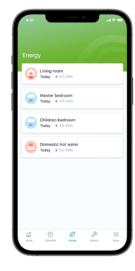
Multi outdoor units are standardly very quiet, down to 46 dBA, similar to a dishwasher.

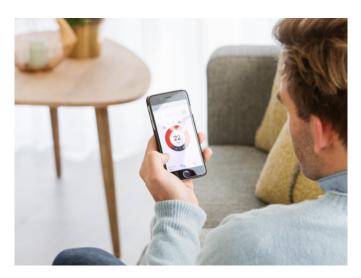
Additionally, the Night Quiet Mode function reduces operating noise of the outdoor unit at nighttime, based upon your schedule. **DID YOU KNOW** A special software is developed on a range of outdoor units\* to lower the sound level at all times if required by legislation.

\*2MXM40-50A9, 3MXM40-52A9

# **6** - Control your units, wherever you are

All indoor units are individually controllable with their supplied remote control or via the Onecta app.
The Daikin Onecta app enables scheduling, controlling and monitoring of each air-to-air heat pump unit along with controlling and monitoring of the domestic hot water tank – also via voice control. Onecta is compatible with Amazon Alexa and Google Assistant.



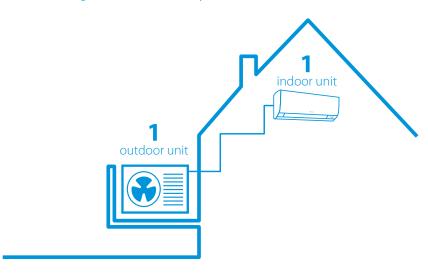


# Why choose Pair?

You already have a hydronic heating system at home. You arranged your attic, green house or garage as a home office or a hobby room. You don't want to heat this additional zone all the time but you need comfortable and efficient solution all year long.

Optimize an additional zone Your customer's house: **CUSTOMER NEEDS** Heating | Cooling

- 1 additional room to heat or cool
- Located in any region \*
- Any number of inhabitants
- A single or multi family house



> Connect one outdoor unit to one indoor unit.

# 1 - Flexibility

Your customer can choose the indoor unit that is most suitable for the installation

- Wall mounted unit: installed high on the wall, available in many sizes and colours, from which some have earned several awards for their innovative look and functional capabilities.
- Floor standing unit: Low enough to be installed beneath a window sill, the unit can be installed against the wall or recessed.



Concealed ceiling unit: Keep things clean and uncluttered with a concealed ceiling unit. They are compact enough to fit any interior and can be installed discreetly so that only the air vents are visible.



reddot design award



reddot award 2018 winner









White FTXA-CW

Black FTXA-CB

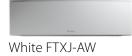
FTXZ-N



reddot award 2022

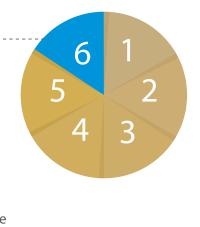














Silver FTXA-CS



# 2 - Efficiency

With the highest efficiencies in the market, a pair installation will save on your energy bill and provide comfort all year long.









# 3 - High heating capacities

Our pair units can provide heating down to -20°C\* \*FTXJ-A/RXJ-A and FTXM-A/RXM-A combination

If outdoor temperature are even more severe, the Nepura range creates a comfortable interior environment while maintaining excellent energy efficiency ratings and guaranteeing high capacities even in temperatures as low as -30°C, offering enhanced heating features.

# **4** - Full comfort offering heating AND cooling

A split system saves energy and offers a high level of comfort to a room. And as a plus, not only heating but also cooling is offered with high efficiencies. Our indoor units are equipped with intelligent sensors and airflow techniques, to provide best comfort, both in heating as cooling.



# Intelligent thermal sensor

Stylish FTXA and Daikin Emura FTXJ use an intelligent thermal sensor to detect the surface temperature of a room to create a more comfortable climate by directing the airflow that requires cooling or heating.



# 3-D air flow

Combines vertical and horizontal auto-swing to circulate a stream of warm or cool air right to the corners of even large spaces.



### Coanda effect

By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



# Heat boost

Heat boost quickly heats up your home when starting up your heat pump system. Set temperature is reached 14% faster\* than a regular air-to-air heat pump (pair only).

- \* Heat boost test condition: 50 class, outdoor temperature 2°C Indoor temperature 10°C, R/C setting: 23°C
- \* Applicable for Daikin Emura, Stylish and Perfera



# Fireplace logic

When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house (Applicable for Nepura FTXTJ-AW/B, FTXTM-S and FTXTA-CW/B)

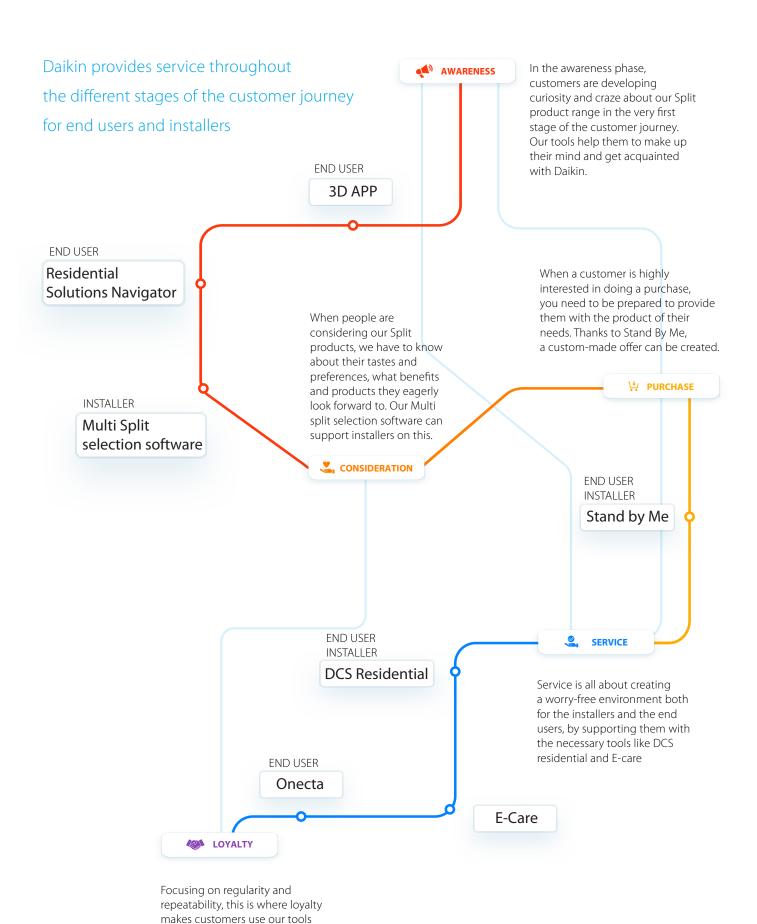
# 5 - Control your units, wherever you are

All indoor units are individually controllable with their supplied remote control or via the Onecta app.

The Daikin Onecta app enables scheduling, controlling and monitoring of each air-to-air heat pump unit along with controlling and monitoring of the domestic hot water tank – also via voice control. Onecta is compatible with Amazon Alexa and Google Assistant.



# Service and solutions



on a daily basis and stay with us

for years.

# 1.3D APP

Daikin 3D app is the application that allows you to choose the air-to-air heat pump and watch it at home BEFORE you buy it!

# 2. RESIDENTIAL SOLUTIONS NAVIGATOR

Find your applicable solution in just a few clicks based on the number and size of the room.

NEW Calculate your savings with the Return on Investment calculator.

# 3. MULTI SPLIT SELECTION SOFTWARE

Make an accurate selection of your Daikin Multi Split system in a few steps! Easy web-based selection tool for our multi split range. It allows to choose the most designated system for each customer's individual needs.

# 4. STAND BY ME

With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market.

# 5. DCS RESIDENTIAL

From the professional portal, Installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location.

# 6. E-CARE

The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and trouble-shooting via the e-Doctor part.

### 7. ONECTA

The Onecta app can control and monitor up to 50 split units. All Bluevolution units are connectable with the Onecta app.

# Daikin 3D app for end-users



Daikin 3D app is the application that allows you to choose the air-to-air heat pump and watch it at home **BEFORE** you buy it!

# With the Daikin 3D app you can virtually place an air-to-air heat pump in your own interior.





Switch on the device, get close, look from every angle, add dimensions and take a photo so that you can easily compare all the different Daikin options.



Product range
Choose the desired device



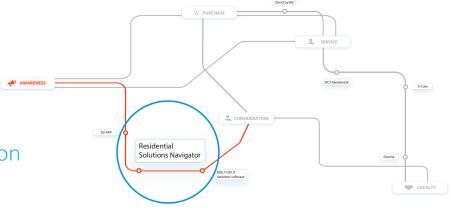
Product detail
Consult the technical data sheets and find additional information



3D visualisation Customize the size, colour, rotate and move the indoor unit to your liking

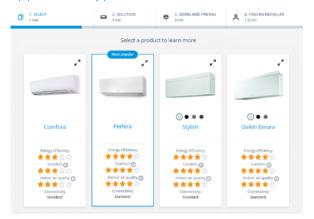
# Residential Solutions Navigator

Find the applicable solution in just a few clicks

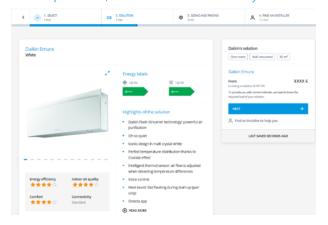


The Residential Solutions Navigator is a digital selection tool developed for end users with the aim to assist in providing the most suitable solution for their homes. Within a few clicks, the end user receives a proposal that fits to his personal requirements.

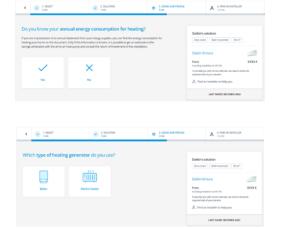
1 Select the recommended solution based on application, type of indoor unit and room size



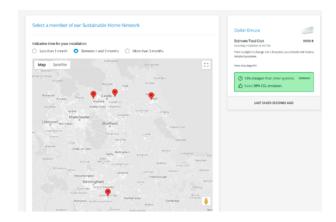
The solution in detail: check pictures, features and efficiency



NEW – Calculate savings based on current consumption



4 Find an installer



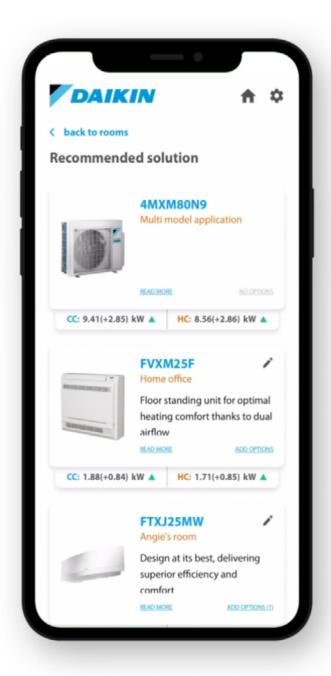


# Multi Split selection software

Make an accurate selection of your Daikin Multi Split system in a few steps!

Easy web-based selection tool for our multi split range. It allows to choose the most designated system for each customer's individual needs.

- 1 Sign in with your Daikin ID
- Create a new project or chooseone of your previously created projects
- 3 Enter your project details
- 4 Enter the building details
- 5 Add rooms
- 6 The best solution is proposed





Go to **multi.daikin.eu** and watch the instruction video

# Stand By Me, my climate of security

With your customer's new Daikin installation and Stand By Me service programme, you can rest assured they are benefiting from the best comfort, energy efficiency, usability and service available on the market.



# Free warranty extension

The first advantage of **Stand By Me** is a free warranty extension:

- **✓** applies to both labour and parts
- **▼** begins immediately after registration





# Quick follow-up by Daikin service partners

Daikin service partners are automatically notified when a customer registers their installation on www.standbyme. daikin.eu and needs maintenance.

Your customer is guaranteed:

- **▼** quick and reliable service
- ✓ management of all information related to their installation such as, registration documents, attendance records, maintenance records, etc.
- ✓ immediate access to the correct information contributes to flawless service



# **Extended warranty on parts**

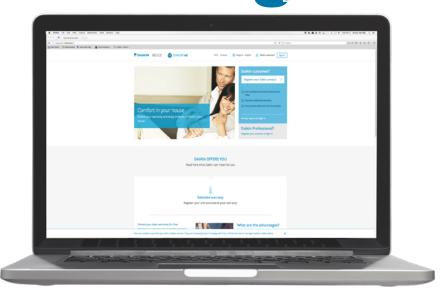
For a small fee, customers can extend the warranty on specific parts. **Stand By Me** guarantees:

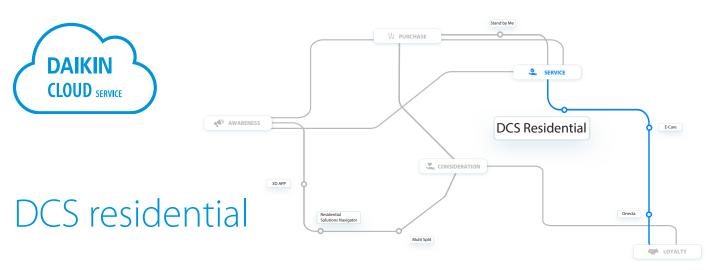
- ✓ that each component is replaced quickly
  - ✓ helps avoid financial surprises
- ✓ long life and smooth operation and all other benefits of a Daikin installation
- ✓ reliable service from official Daikin service partners

Daikin service partners work exclusively with Daikin parts and have all of the necessary technical knowledge to solve any issue that may arise









From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation.

By changing certain settings, they can improve your comfort immediately.

Save time and get a better support, thanks to these new features.

### How to access?

Through the Stand By Me Pro portal.

# What to expect

Remote monitoring and servicing of split products, after consent from the end user.

- > Control your customer's unit and hange settings.
- Read out up to 34 D-checker data points.



# Solving a simple issue without broken parts



# Solving a complex issue which needs ordering and replacing broken parts



# Visualization

Overview per product, showing the selected parameters



# **Adding Markers**

Up to 5 markers can be placed and customized



# **Parameter Panel**

Easily select the required parameters and change colours



# Exporting (Image/CSV)

Export the data of a selected period in CSV or as an image



# E-Care app



The Daikin e-Care app wants to make the life of a Daikin installer easier by offering Stand By Me registrations via QR code scanning, easy configuration of your heating installation and trouble-shooting via the e-Doctor part.

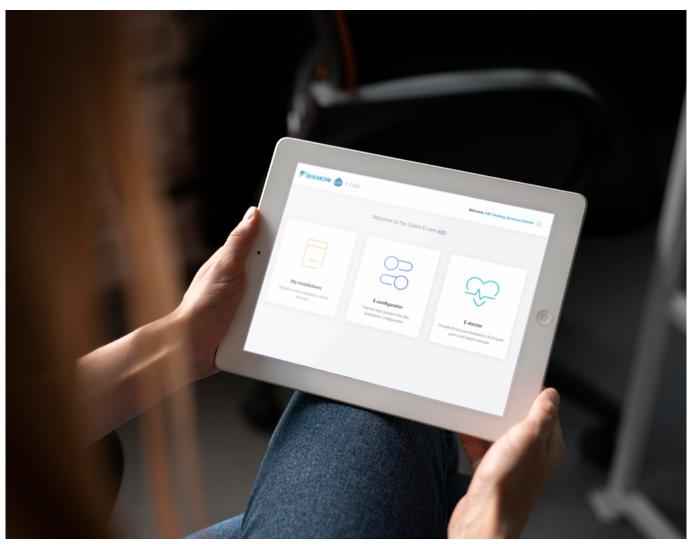
# NEW

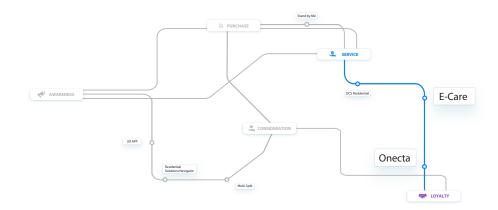
Order your **spareparts** direclty via the e-Care app, update the settings of your installation with a **Wifi USB** stick and avoid any possible mistake during commissioning of your installation thanks to the easy guidance of the **Commissioning Assistant**.











# Onecta

The Onecta app can control and monitor up to 50 split air conditioning units. All Bluevolution units are connectable with the Onecta app.



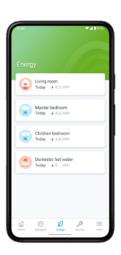
# Control

Control operation mode, temperature, air purification, fan speed & direction



# Schedule

Schedule the set temperature, operation mode and fan speed



# Monitor

Monitor your energy consumption, set holiday schedule



# Identify

Identify the rooms of your house

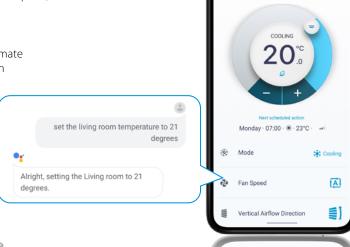
Master bedroom

# Intuitive online and voice control

Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!

### Your benefits

- > Access to various features for controlling your internal climate
- Manage the temperature, operating mode, air purification and fans with the interactive thermostat
- > Create different operating schedules and modes
- > Monitor energy consumption









# Full **R-32** indoor unit range for average and cold outdoor temperatures

		Model	Product name		15	20	25	30	35	40	42	50	60	71
		Ururu Sarara Complete climate control with (de)humidification, air purification & ventilation with top efficiencies in heating & cooling	FTXZ-N				A*** A*** (pair only)		A*** A*** (pair only)			A*** A*** (pair only)		
		Daikin Emura Design that speaks for itself	FTXJ-AW/S/B			A***	A***		A***		A <sup>++</sup>	A**		
		UPDATE Stylish	CTXA- CW/S/B		(multi only)									
		Most compact design wall mounted unit	FTXA- CW/S/B			A***	A***		A***		A**	A++ A++		
	Wall	NEW Perfera	CTXM-A		(multi only)									
	mounted	Wall mounted unit design for high performance and high indoor air quality	FTXM-A	- 10		A***	A***		A***		A**	A**	A**	A++
Standard range		UPDATE Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXP-N(9)			A** A**	A**		A**			A <sup>++</sup> A <sup>+</sup> (pair only)	A <sup>++</sup> A <sup>+</sup> (pair only)	A** (pair or
		Sensira Wall mounted unit for low energy consumption	FTXF-E/D			A++ A+	A++ A+ (pair only)		A <sup>++</sup> (pair only)		A <sup>++</sup> (pair only)	A <sup>++</sup> (pair only)	A++ A+	A A
		and pleasant comfort	CTXF-C			•	(multi only)		(multi only)		gran only)	gran only)	, pair only)	,pan Oi
		Sensira Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	FTXC-D			A <sup>++</sup> A <sup>+</sup> (pair only)	A**		A++ A+ (pair only)			A <sup>++</sup> A <sup>+</sup> (pair only)	A <sup>++</sup> A <sup>+</sup> (pair only)	A A (pair or
		Perfera	CVXM-A9			(multi only)								
	Floor standing	Design floor standing unit for optimal heating comfort thanks to unique heating features	FVXM-A9	MINISTER		(multi only)	A*** A**		A** A**			A <sup>++</sup>		
	Concealed ceiling	Concealed ceiling unit Compact concealed ceiling unit, with a height of only 200mm	FDXM-F9				A <sup>+</sup>		A			A <sup>+</sup>	A	
		NEW Siesta wall mounted unit Discreet, modern design for optimal efficiency and comfort thanks to 2 area motion detection sensor	ATXM-A	- 10		(multi only)	A*** A***		A*** A***			A**		
Siesta	~ Wall	UPDATE Siesta wall mounted unit Discreet Siesta wall mounted unit providing high efficiency and comfort	ATXP-N9			A**	A**		A++ A++					
range	mounted	Siesta wall mounted unit Wall mounted unit for low energy consumption and pleasant comfort	ATXF-E/A			A**	A** A*		A++ A+		A <sup>++</sup> A <sup>+</sup> (pair only)	A <sup>++</sup> (pair only)	A** A*	A
		Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-D			A** A* (pair only)	A++ A+ (pair only)		A++ A+ (pair only)			A <sup>++</sup> A <sup>+</sup> (pair only)	A <sup>++</sup> A <sup>+</sup> (pair only)	A A (pair o
		NEW Daikin Emura Design that speaks for itself	FTXTJ-AW/B					A*** A*** (pair only)						
	Wall mounted	NEW Stylish Most compact design wall mounted unit, even at ambient temperatures down to -25°C	FTXTA-CW/B					A*** A*** (pair only)						
nepura range	mounted	NEW Perfera Attractive, wall mounted design with perfect indoor air quality	FTXTM-S	~				A*** A*** (pair only)		A*** A*** (pair only)				
		NEW Comfora Discreet wall mounted unit providing high efficiency and comfort	FTXTP-N				A++ (pair only)		A** (pair only)					
	Floor standing	NEW Perfera  Design floor standing unit for optimal heating comfort thanks to unique heating features	FVXTM-A	Manager				A++ A++ (pair only)						

Energy efficiency class in cooling and heating (average climate)



# Full **R-32** pair and multi outdoor unit range Flexible configurations work in all homes

Whether you are looking for a single room solution or a system for your entire home, we can accommodate your needs.

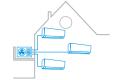
Pair split or multi split combination – the direct system comparison



Conventional pair split

installation for three rooms





Solution for the same situation with only one multi split outdoor unit

	Model	Product name		20	25	30	35	40	42	50	52	60	68	71	80	90
		RXZ-N			•		•			•						
		RXJ-A		•	•		•		•	•						
		UPDATE RXA-A8/B(9)		•	•		•		•	•						
	Pair heat pump	NEW RXM-A/R		•	•		•		•	•		•		•		
		UPDATE RXP-N(9)	0	•	•		•			•		•		•		
Standard range		RXF-E/D		•	•		•		•	•		•		•		
		RXC-D		•	•		•			•		•		•		
		2-port MXM-A9						•		•			•			
		3-port MXM-A9						•			•		•			
	AA Inthone cons	4-port MXM-A9											•		•	
	Multi heat pump	5-port MXM-A9														•
		2-port MXF-A						•		•						
		3-port MXF-A9									•		•			
	Multi + heat pump and hot water	4-port MWXM-A9									•					
		NEW ARXM-A			•		•			•						
	District	UPDATE ARXP-N9	0	•	•		•									
	Pair heat pump	ARXF-E/A		•	•		•		•	•		•		•		
<i>Siesta</i> range		ARXC-D		•	•		•			•		•		•		
		2-port AMXM-M9						•		•						
	AA DOLL .	3-port AMXM-N9									•					
	Multi heat pump	2-port AMXF-A						•		•						
		3-port AMXF-A9									•					
		NEW RXTJ-A	9			(pair only)										
nepura	Pair heat pump	NEW RXTA-C	0-			(pair only)										
range	down -30°C	NEW RXTM-A	9			(pair only)		(pair only)								
		NEW RXTP-A			(pair only)		(pair only)									

ı	$\sim$ li+				Wall m	ounted	ard range			Conc
)	( )       .		NEW		NEW	UPDATE				
<b>4</b>		FTXZ-N	C/FTXA-CW/S/B	FTXJ-AW/S/B	C/FTXM-A	FTXP-N(9)	FTXF-E/D	CTXF-C	FTXC-D	FDX
					10				- 11	
7	Econo mode	•	•	•	•	•	•	•		
B	2-area motion detection sensor				•					
SA	3- area motion detection sensor	•								
(3)	Energy saving during operation standby	•	•	•	•	•	•	•	•	
	Home leave operation									
C:	Night set mode		•	•	•	•				
W	Fan only	•	•	•	•	•	•	•	•	
	Auto cleaning filter	•								
B	Comfort mode	•	•	•	•	•	•	•		
eas	Powerful mode	•	•	•	•	•	•	•	•	
(A)	Auto cooling-heating	•	•	•	•	•	•	•	•	
	changeover Whisper quiet (down to	•	•	•	•	•				
N N	19dBA) Practically inaudible		•	•	•	•				
2	Indoor unit silent operation	•	•	•	•	•	•	•		
<b>公</b> 纪	Comfortable sleeping mode	•							•	
	Outdoor unit silent	•	•	•	•					
A	operation Fire place logic									
-(8)	Heat boost		•	•	•					
<b>-</b> ⊕	Heat plus									
dt	Floor warming									
	1									
	Weather compensation  3-D Air flow	•	•	•	•	•				
	1	•	•	•	•	•	•	•	•	
\(\rangle \)	Vertical auto swing	•	•	•	•	•	•	_	•	
S	Horizontal auto swing  Auto fan speed	•	•	•	•	•	•	•	•	
AUTO	· ·									
	1	5	5	5	5	5	3	3	5	
<u>u</u> n	Intelligent thermal sensor  Coanda Effect	•								
	1	(cooling only)	(cooling and heating)	(cooling and heating)						
2	Ururu - humidification	•								
Ontro	Sarara - dehumidification	•								
	Dry programme		•	•	•	•	•	•	•	
STREAMER	Flash Streamer**	•	•	•	•					
	Titanium apatite deodorising filter	•	•	•	•	•			•	
STEAMER	Silver allergen removal and air purifying filter		•	•	•	•				
	Air filter	•	captures bacteria/ viruses	•	captures bacteria/ viruses	•	•	•	•	
Pauem	Onecta app	•*	•	•	•	•	•*	•*	•*	
24/7	Weekly timer		•	•	•					
24	24 Hour timer	•				•	•	•	•	
	Infrared remote control	•	•	•	•	•	•	•	•	
	Wired remote control		*	•*	•*					
	Centralised remote control	•	•	•	•					
4 2	Multi zoning									
**	Auto-restart	•	•	•	•	•	•	•	•	
<b>5 即</b>	Self-diagnosis	•	•	•	•	•	•	•	•	
	_									
	Multi model application		•	•	•	20,25,35 class		20,25,35 class		

<sup>\*</sup> Available as option

\*\* The Flash Streamer technology is not meant to be used for medical purposes

1									
Floor standing		Siesta Sies	range sta ounted			Mall m	Nepura range ounted		Floor standing
r iour standing		Wall m	ounted			NEW NEW	NEW	NEW	NEW
C/FVXM-A9	ATXM-A	ATXP-N9	ATXF-E/A	ATXC-D	FTXTJ-AW/B	FTXTA-CW/B	FTXTM-S	FTXTP-N	FVXTM-A
	7.0								The same of the sa
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•	•	•	•	•	•	•	•	•	•
•	•	20,25,35 class	20,25,35 class (ATXF-A only)						
			(ALXF-A ONLY)		•	•	•	•	•





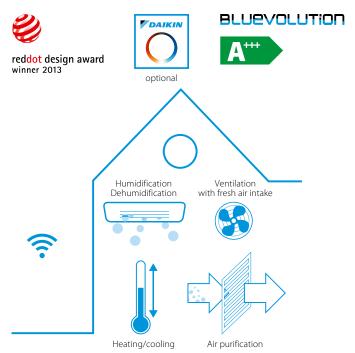
# Why choose Ururu Sarara?

The Daikin Ururu Sarara brings a new level of sophisticated control to air to air heat pumps. It has five air treatment techniques which together provide a total comfort solution. In addition, the Ururu Sarara range has SEER up to 9.54 and SCOP up to 5.90 with A+++ ratings thanks to its energy efficient compressor and heat exchanger. Because of its innovative technology, as well as its design, it won the prestigious Red Dot design award in 2013.

# 5 air treatment techniques

- Heating and cooling in one unit, for year-round comfort with the highest energy label available
- In winter, the Ururu function replenishes the moisture in the air to maintain a comfortable feel without unnecessary heating
- In summer, the Sarara function removes excess moisture while maintaining an even temperature thus eliminating the need for extra cooling
- > Ventilation for fresh air even with closed windows
- Air purification and automatic filter cleaning to remove allergens to supply clean air







# Fresh air, even with closed windows

Unlike a conventional air conditioner, the Ururu Sarara brings fresh, conditioned air into the room. The Ururu Sarara is the very first residential heat pump system that – because of its powerful ventilation capacity of 30 m³/h – can fill a room of more than 26 m² with fresh air in less than two hours. Furthermore, the incoming air is brought in at the desired temperature without thermal loss.





Complete climate control with (de)humidification, air purification & ventilation with top efficiencies in heating & cooling

- Unique combination of humidification, dehumidification, ventilation, air purification and heating & cooling in 1 system
- > 3 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting
- > No need to clean filters, thanks to the self cleaning filter
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet
- > Seasonal efficiency values: full range A+++ in cooling and heating
- > Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- > Reddot design award winner 2013



More details and final information can be found by scanning or clicking the QR codes.





RXZ-N

				<b>国际共享的</b> [2]	FIAZ-N	AND NAZIN
Efficiency data			FTXZ + RXZ	25N + 25N	35N + 35N	50N + 50N
Cooling capacity	Min./Non	n./Max.	kW	0.6/2.5/3.9	0.6/3.5/5.3	0.6/5.0/5.8
Heating capacity	Min./Non	n./Max.	kW	0.6/3.6/7.5	0.6/5.0/9.0	0.6/6.3/9.4
Power input	Cooling	Min./Nom./N	Лах. kW	0.11/0.41/0.88	0.11/0.66/1.33	0.11/1.10/1.60
	Heating	Min./Nom./N	Лах. kW	0.10/0.62/2.01	0.10/1.00/2.53	0.10/1.41/2.64
Space cooling	Energy ef	ficiency class			A***	
	Capacity	Pdesign	kW	2.50	3.50	5.00
	SEER			9.54	9.00	8.60
	Annual er	nergy consumption	kWh/a	92	136	203
Space heating	Energy ef	ficiency class	İ		A***	,
(Average climate)	Capacity	Pdesign	kW	3.50	4.50	5.60
	SCOP/A	-		5.90	5.73	5.50
	Annual er	nergy consumption	kWh/a	831	1,100	1,427
Nominal efficiency	EER			6.10	5.30	4.55
,	COP			5.80	5.00	4.47
	Annual er	nergy consumption	kWh	205	330	550
		eling Directive Cooling/Hea	ting		A/A	
Indoor unit			FTXZ	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth	mm		295x798x372	J
Weight	Unit	<u> </u>	kg		15	
Air filter	Туре				Auto cleaning filter	
Fan	Air flow	Cooling Silent operation/Lov	v/High m³/min	4.0/5.3/10.7	4.0/5.6/12.1	4.6/6.6/15.0
	rate	Heating Silent operation/Lov		4.8/6.7/11.7	4.8/6.9/13.3	5.9/7.7/14.4
Sound power level	Coolina		dBA	54	57	60
	Heating		dBA	56	57	59
Sound pressure	Cooling	Silent operation/Low/Nom./		19/26/33/38	19/27/35/42	23/30/38/47
level	Heating	Silent operation/Low/Nom./		19/28/35/39	19/29/36/42	24/31/38/44
Control systems		emote control			ARC477A1	
Power supply		equency/Voltage	Hz/V		1~/50/220-240	
Outdoor unit			RXZ	25N	35N	50N
Dimensions	Unit	HeightxWidthxDepth	mm	-	693x795x300	
Weight	Unit	<u> </u>	kg		50	
Sound power level			dBA	59	61	63
	Heating		dBA	59	61	64
Sound pressure	Cooling	High	dBA	46	48	49
level	Heating	High	dBA	46	48	50
Operation range	Cooling	Ambient Min.~Max.	°CDB	·	-10~43	
,	Heating	Ambient Min.~Max.	°CWB		-20~18	
Refrigerant	Type				R-32	
	GWP				675	
	Charge		kg/TCO2Eq		1.34/0.9	
Piping connections	Liquid	OD	mm		6.35	
	Gas	OD	mm		9.5	
	Piping lengt	h OU - IU Max.	m		10	
	Level difference	e IU - OU Max.	m		8	
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/220-240	

# Daikin Emura Design that speaks for itself

# Why choose Daikin Emura?

- > Ultimate comfort, designed with the highest quality in mind... Its design speaks for itself: Daikin Emura pleases the eye and has a strong focus on comfort and user experience to improve your well-being at home.
- > When you choose Daikin technology, you can count on year-round comfort, energy efficiency, reliability and control.

reddot award 2022

# High energy efficiency

Seasonal efficiency gives a more realistic indication on how efficient air-to-air heat pump operate over an entire heating or cooling season. The label includes multiple classifications from A+++ to G. Daikin Emura achieves high energy efficiencies:

- > SEER up to
- > SCOP up to



# Benefits



Almost inaudible with sound levels down to 19 dBA



3D airflow



Intelligent thermal sensor



Heat boost



Weekly timer



Onecta app: always in control no matter where you are, including voice control



Connectable to pair, multi and VRV







# Unique design

Silver, matt white and matt black, these are the three monochrome colours in which Daikin Emura is available.



The front panel of the remote control matches the colours of the indoor unit – the casing is anthracite grey to create a floating effect.



The outdoor unit comes in ivory white.



# Comfort

### Intelligent thermal sensor

Daikin Emura uses an intelligent thermal sensor to detect a room's current temperature. After determining the room temperature, the intelligent thermal sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm and cool air to areas that need it.

# 3D airflow

Combines vertical and horizontal auto-swing to circulate a stream of warm or cool air right to the corners of even large spaces.

### Inaudible to hear

Daikin Emura is almost inaudible with sound levels down to 19 dBA.

# Coanda effect

By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

### Heat boost

Daikin Emura quickly heats the room when starting up, ensuring the set temperature is reached faster.





# Design that speaks for itself

- > Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white, silver and black
- > The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- > The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- > Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular airconditioner (pair only)
- > Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc.
- > Onecta app: control your indoor from any location with an app, via your local network or internet



- > Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!
- > Seasonal efficiency values up to A+++ in cooling and heating

More details and final information can be found by scanning or clicking the QR codes.









Efficiency data			FTXJ/RXJ	20AW/S/B + 20A	25AW/S/B + 25A	35AW/S/B + 35A	42AW/S/B + 42A	50AW/S/B + 50A
Cooling capacity	Min./Nom./Max.		kW	1.3/2.0/2.6	1.3/2.5/3.2	1.4/3.4/4.0	1.7/4.2/5.0	1.7/5.0/5.3
Heating capacity	Min./Nom./Max.		kW	1.3/2.5/3.5	1.3/2.8/4.7	1.4/4.0/5.2	1.7/5.4/6.0	1.7/5.8/6.5
Power input	Cooling	Nom.	kW	0.43	0.56	0.78	1.05	1.36
	Heating	Nom.	kW	0.50	0.56	0.99	1.31	1.45
Space cooling	Energy efficiency	y class			A***	A	•	
	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5
	SEER			8.75	8.74	8.73	7.5	7.33
	Annual energy c	onsumption	kWh/a	80	100	136	196	239
Space heating	Energy efficiency	y class			A***		A	•
(Average climate)	Capacity	Pdesign	kW	2.40	2.45	2.50	3.80	4.00
	SCOP			5.15	5.15	5.15	4.6	4.6
	Annual energy c	onsumption	kWh/a	652	666	680	1,156	1,218
Nominal efficiency	EER			4.7	4.46	4.37	3.99	3.68
	COP			5	5	4.04	4.12	4
	Annual energy c	onsumption		213	280	389	526	679
Energy labeling Directive Cooling/Heating						A/A		

Indoor unit				FTXJ	20AW/S/B	25AW/S/B	35AW/S/B	42AW/S/B	50AW/S/B
Dimensions	Unit	HeightxV	VidthxDepth	mm			305x900x212		
Weight	Unit			kg			12		
Air filter	Type					F	Removable / washabl	e	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	4.6/6.0/8.4/11.0	4.6/6.0/8.6/11.4	4.6/6.0/8.6/11.8	4.6/7.2/9.5/13	5.2/7.6/10.4/13.5
		Heating	Silent operation/ Low/Medium/High	m³/min	4.6/6.4/8.7/11.1	4.6/6.4/9.0/11.3	4.6/6.4/9.0/11.7	5.2/7.7/10.5/14.4	5.7/8.2/11.1/15.0
Sound power level	Cooling			dBA	57	57	60	60	60
	Heating			dBA	-	-	-	-	-
Sound pressure	Cooling	Silent op	eration/Low/High	dBA	19/25/39	19/25/40	19/25/41	21/29/45	24/31/46
level	Heating	Silent op	eration/Low/High	dBA	19/25/39	19/25/40	19/25/41	21/29/45	24/33/46
Control systems	Infrared r	emote con	ntrol				ARC488A1W/S/B		
	Wired rer	note contr	ol				BRC073A1		
Piping connections	Drain						18		
- 2 IDA : 14 Id									

+	+2	dBA	in	Multi	combin	nation

Outdoor unit				RXJ	20A	25A	35A	42A	50A	
Dimensions	Unit	HeightxW	/idthxDepth	mm		552x840x350		734x95	54x408	
Weight	Unit	_		kg		33		4	.9	
Sound power level	Cooling	Nom.		dBA	59	59	61	62	62	
	Heating	Nom.		dBA	59	59	61	62	62	
Sound pressure	Cooling	Nom.		dBA	46	46	49	48	48	
level	Heating	Nom.		dBA	47	47	49	48	49	
peration range Cooling Ambient Min.~	Min.~Max.	°CDB			-10~50					
	Heating	Ambient	Min.~Max.	°CWB			-21~18			
Refrigerant	Type/GW	'P					R-32/675.0			
	Charge			kg/TCO2Eq		0.76/0.52		1.10/	0.75	
Piping connections	Liquid/Ga	s OD		mm		6.35/9.50		6.35	/12.7	
	Piping	OU - IU	Max.	m		20		3	0	
	length	System	Chargeless	m			10			
	Addition	al refrigerar	nt charge	kg/m		0.02 (for p	iping length exceedi	ng 10m)		
	Level difference IU - OU Max.			m	15 20					
Power supply	Phase/Frequency/Voltage Hz/V			Hz/V			1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			Α	A 10 13					

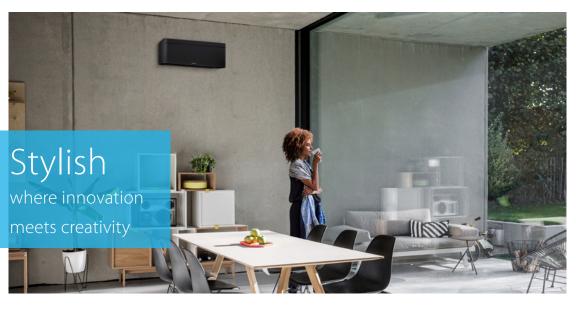
















White FTXA-CW



Black FTXA-CB



Silver FTXA-CS



# Available in 3 colours

- > Users can choose from **three distinct colours** (white, silver and black)
- > Curved corners create an unobtrusive and space-saving design
- > Thin dimensions make it the most compact design unit on the market
- > Simple panel enables variation in texture and colour to easily blend into any room
- > Award winning design: Stylish earned the Reddot award, the Good Design Award and iF award for its innovative look and functional capabilities







# The Coanda effect

Already present in the Ururu Sarara, the **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

The Coanda effect creates two different airflow patterns depending on whether Stylish is in cooling or heating mode. On the top is the Coanda effect in cooling mode (ceiling airflow), while the bottom images demonstrate the Coanda effect in heating mode (vertical airflow).



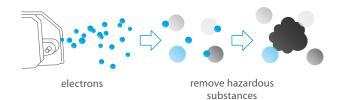












# Air quality

**Flash streamer:** using electrons to trigger chemical reactions with airborne particles, the Flash Streamer removes allergens such as pollen and fungal allergens, eliminating unpleasant odours and providing better, cleaner air.

NEW Static air filter: The new air filter has been treated with an active (lonpure) substance in order to capture, reduce and remove bacteria and viruses.



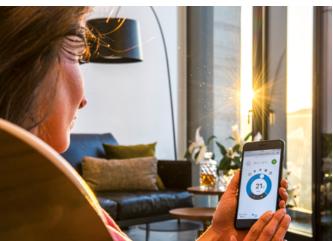
# Intelligent thermal sensor

Stylish uses an **intelligent thermal sensor** to detect the surface temperature of a room to create a more comfortable climate. After determining the current room temperature, the sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.



# Quiet operation

Stylish uses a **specially designed fan** to optimise airflow for higher energy efficiency at low sound levels. To achieve higher energy efficiency, Daikin designed a fan that runs efficiently within Stylish's compact dimensions. Together, the fan and heat exchanger attain top energy performance but operate at a sound level that is practically inaudible to occupants.



# Onecta app

Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!

### Your benefits

- > Access to various features for controlling your internal climate
- > Manage the temperature, operating mode, air purification and fans with the interactive thermostat
- > Create different operating schedules and modes
- > Monitor energy consumption

# Where innovation meets creativity

- A compact and functional design suitable for all interiors in a white, black and silver coloured elegant finish
- > The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- > The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- > Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Seasonal efficiency values up to A+++ in cooling and heating









RXA-B9

More details and final information can be found by scanning or clicking the QR codes.

FTXA-CW









RXA-B

Efficiency data			FTX	A + RXA	CTXA15CW/S/B	20ACW/S/B + 20A8	25CW/S/B + 25A8	35CW/S/B + 35A8	42CW/S/B + 42B9	50CW/S/B + 50B
Cooling capacity	Min./Non	n./Max.		kW		1.30/2.00/2.60	1.30/2.50/3.20	1.40/3.40/4.00	1.70/4.20/5.00	1.70/5.00/5.30
Heating capacity	Min./Non	n./Max.		kW		1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/6.50
Power input	Cooling		Min./Nom./Max.	kW		0.27/0.43/0.63	0.27/0.56/0.78	0.31/0.78/1.04	-/1.05/-	-/1.36/-
	Heating		Min./Nom./Max.	kW		0.25/0.50/0.91	0.25/0.56/1.22	0.26/0.99/1.67	-/1.31/-	-/1.45/-
Space cooling	Energy ef	ficiency cl	ass				A***		A <sup>1</sup>	•
	Capacity		Pdesign	kW		2.00	2.50	3.40	4.20	5.00
	SEER					8.75	8.74	8.73	7.50	7.33
	Annual e	nergy cons	sumption	kWh/a	Connectable to multi	80	100	136	196	239
Space heating	Energy ef	ficiency cl	ass		outdoor		A***		A <sup>*</sup>	•
(Average climate)	Capacity		Pdesign	kW	units only	2.40	2.45	2.50	3.80	4.00
	SCOP/A						5.15		4.	60
	Annual e	nergy cons	sumption	kWh/a		653	666	680	1,150	1,217
Nominal efficiency	EER					4.70	4.46	4.37	3.99	3.68
	COP					5.	00	4.04	4.12	4.00
	Annual e	nergy cons	sumption	kWh		215	280	390	526	679
	Energy labe	ling Directive	e Cooling/Heating					A/A		
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α		10		1	3	
Indoor unit				FTXA	CTXA15CW/S/B	20CW/S/B	25CW/S/B	35CW/S/B	42CW/S/B	50CW/S/B
Dimensions	Unit	HeightxV	VidthxDepth	mm			295x7	98x189		
Weight	Unit			kg			1	2		
Air filter	Type						Removable	/ washable		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	4.6/6.1/8/11.0	4.6/6.1/8.2/11.0	4.6/6.1/8.6/11.5	4.6/6.1/8.6/11.9	4.6/7.2/9.8/13.1	5.2/7.6/10.4/13.5
		Heating	Silent operation/ Low/Medium/High	m³/min	4.5/6.4/	8.7/10.9	4.5/6.4/9.0/11.1	4.5/6.4/9.0/11.5	5.2/7.7/10.5/14.6	5.7/8.2/11.1/15.1
Sound power level	Cooling			dBA		57			60	
Sound pressure	Cooling	Silent op	eration/Low/High	dBA	21/25/39	19/25/39	19/25/40	19/25/41	21/29/45	24/31/46
level	Heating		eration/Low/High	dBA	21/25/39	19/25/39	19/25/40	19/25/41	21/29/45	24/33/46
Control systems	Infrared r	emote cor	ntrol				ARC4	66A58		
	Wired rer	note contr	ol							
Outdoor unit				RXA		20A8	25A8	35A8	42B9	50B
Dimensions	Unit	HeightxV	VidthxDepth	mm			550x840x350		734x8	
				lea	1		22			^

	Wiledien	note conti	101								
Outdoor unit				RXA		20A8	25A8	35A8	42B9	50B	
Dimensions	Unit	Heightx\	WidthxDepth	mm			550x840x350		734x870x373		
Weight	Unit			kg			32		50		
Sound power level	Cooling	Nom.		dBA		5	9.0	61.0	6	2.0	
	Heating	Nom.		dBA		5	9.0	61.0	62.0		
Sound pressure	Cooling	Nom.		dBA		4	6.0	49.0	4	8.0	
level	Heating	Nom.		dBA	[	47.0		49.0	9 48.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	Connectable			-10~46			
	Heating	Ambient	Min Max.	°CWB	to multi outdoor			-15~18			
Refrigerant	Type/GWI	Р			units only			R-32/675.0			
	Charge			kg/TCO2Eq	unitsonly		0.76/0.52		1.10	/0.75	
Piping connections	Liquid/Gas	OD		mm			6.35/9.50		6.35		
	Piping length	OU - IU	Max.	m			20		30		
	Additional refrigerant charge kg		kg/m			0.02 (for p	0.02 (for piping length exceeding 10m)				
	Level difference IU - OU Max. m			15.0			20				
Power supply	Phase/Frequency/Voltage Hz/			Hz/V		1~/50/220-240					

Contains fluorinated greenhouse gases | See separate drawing for operation range | See separate drawing for electrical data | Nominal cooling capacities are based on: indoor temperature: 20°CDB, 9°CWB, outdoor temperature: 20°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 20°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 20°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor te









# All seasons, all-year-round comfort, efficiency, air purification, connectivity

# Comfort+

Two flaps create a precise angle to make the airflow path narrower. This increases air velocity to ensure the air travels further.

With its double flap system, the airflow is "squeezed" through the flaps acquiring greater velocity to travel upwards (avoiding cold airflow directly onto people).

Improvement over the single flap in the current model





# 2 area motion detection sensors

# Area motion detection sensors

Air direction: the motion detection sensors detect where persons are located in the room to direct the air away from them. Upon leaving the room, the unit goes into energy-saving mode.

### Result

Perfect comfort and low-energy consumption













# **Efficiency**

Cost-efficiency and performance-efficiency can be achieved in 2 ways:

1. PAIR: By combining one indoor with one outdoor, Daikin delivers the highest efficiency levels on the market. With efficiencies up to A+++, it will save on your energy bills and create wonderful living comfort all year round.

2. MULTI: With only one multi split outdoor unit, up to 5 indoor units can be connected. **NEW**: For certain combinations of Perfera with 3MXM52A(9) outdoor unit an energy efficiency of **up to A**\*\*\* in cooling and heating\* can be reached

Outdoor Unit	Indoor Unit	Energy	y label
	C/FTXM-A	Cooling	Heating
*	1.5 + 1.5 + 3.5	A***	A***
/1B(9	1.5 + 2.0 + 3.5	A***	A***
2A2\	1.5 + 2.5 + 3.5	A	A
3MXM52A2V1B(9)	2.0 + 2.0 + 3.5	A	A
3M3	2.0 + 2.5 + 3.5	A	A
	2.5 + 2.5 + 3.5	A***	A***

# Air purification

# Flash streamer/titanium apatite deodorising filter

Flash streamer: using electrons to trigger chemical reactions with airborne particles, the flash streamer removes allergens such as pollen and fungal allergens, eliminating unpleasant odours and providing fresher, cleaner air.

FLASH STREAMER



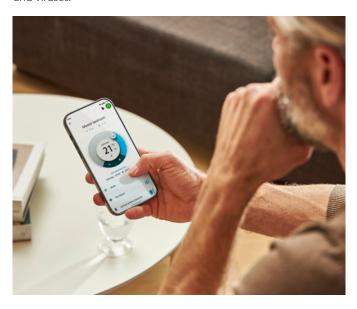
The titanium apatite deodorising filter works hard to combat smells such as tobacco smoke and pet odours.

# Silver allergen removal filter

The silver allergen removal and air-purifying filter is the ideal solution, because it captures allergens such as pollen to ensure a steady supply of clean air.

# **NEW** Static air filter:

The new air filter has been treated with an active (lonpure) substance in order to capture, reduce and remove bacteria and viruses.



# Full connectivity

### Onecta App

Control your system and enjoy maximum comfort just by using your voice. Using Amazon Alexa or Google Assistant, you can control the main functions such as the temperature setting, operating mode, fan speed and much more! (see page 339)

### Residential Solutions Navigator (RSN)

Find your applicable solution in just a few clicks based on the number and size of the room. Calculate your savings with the Return on Investment calculator. (see page 333)

# DCS Residential

From the professional portal, Installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. (see page 336)





# Attractive, wall mounted design with perfect indoor air quality

- > Seasonal efficiency values up to A+++ in cooling and heating in pair and multi
- > Comfort+: perfect comfort with homogeneous temperature throughout the room. The double flaps direct the air towards the ceiling in cooling and along the wall in heating.
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting. (larger capacity area)
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- > Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Onecta app: control your indoor from any location with an app, via your local network or internet.



- > Quiet operation: down to 19dBA sound pressure level
- > 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

1~/50/220-240

13

More details and final information can be found by scanning or clicking the QR codes.



FTXM-A



FTXM-R

RXM-R

RXM-A

or clicking the C	7k code	ò.	国立政治学者をから 上	I XIVI-A	国的经济的	E CTXIVI-A	回可認為機能發	# FTXIVI-K		KXIVI-K		KXIVI-A	
Efficiency data			FTX	M + RXM	CTXM15A	20A + 20A9	25A + 25A9	35A + 35A9	42A + 42A	50A + 50A	60R + 60R	71R + 71R	
Cooling capacity	Min./Nor	n./Max.		kW		0.90/2.00/3.00	0.90/2.50/3.80	0.90/3.50/4.40	1.50/4.20/5.20	1.70/5.00/5.30	1.70/6.00/7.00	2.30/7.10/8.5	
Heating capacity	Min./Nor	n./Max.		kW		0.80/2.50/3.50	0.80/2.80/5.00	0.80/4.00/5.50	1.50/5.40/6.20	1.70/5.80/6.50	1.70/7.00/8.00	2.30/8.20/10.2	
Power input	Cooling		Nom.	kW		0.37	0.48	0.76	1.00	1.36	1.77	2.34	
	Heating		Nom.	kW		0.50	0.50	0.88	1.29	1.40	1.94	2.57	
Space cooling	Energy e	fficiency cl	ass				A***			A	•••		
	Capacity Pdesign SEER		Pdesign	kW		2.00	2.50	3.50	4.20	5.00	6.00	7.10	
					NA 101	9	.47	9.25	8.11	7.80	6.90	6.20	
	Annual e	nergy cons	sumption	kWh/a	Multi combination	74	92	132	181	224	304	401	
Space heating	Energy e	fficiency cl	ass		only		A***		A	•••	A	A <sup>+</sup>	
(Average climate)	Capacity		Pdesign	kW	Only	2.30	2.40	2.50	4.00	4.50	4.80	6.20	
	SCOP/A						5.20		5.00	4.80	4.30	4.10	
	Annual e	nergy cons	sumption	kWh/a		619	647	673	1,120	1,312	1,562	2,117	
Nominal efficiency	EER					5.35	5.20	4.63	4.20	3.68	3.39	3.03	
	COP				5.	.00	4.55	4.19	4.15	3.61	3.19		
	Annual energy consumption		kWh	1	187	240	378	500	679	885	1,172		
	Energy labeling Directive Cooling/Heating							Α	/A			B/D	
Indoor unit				FTXM	CTXM15A	20A	25A	35A	42A	50A	60R	71R	
Dimensions	Unit	HeightxV	VidthxDepth	mm		298x8			x252			98x292	
Weight	Unit			kg			11	1.5	14.5				
Air filter	Type							Removable/washable					
Fan	Air flow	Cooling	Silent operation/	m³/min		4.9/6.3/8.9/11.	.9	4.6/7.1/9.4/13.2	2 5.0/7.2/9.8/13.3 5.9/7.8/10.4/12.7 9.1/11.8/14/16.7 10.0/12.2				
	rate		Low/Medium/Higl	h									
		Heating	Silent operation/ Low/Medium/Higl	m³/min h	4.9/6.9/9.2/11.4			5.1/6.9/9.4/11.1	5.3/7.1/10.0/14.0	6.9/8.6/11.5/14.5	11.1/12.4/15.2/16.5	11.6/12.7/15.8/17	
Sound power level	Cooling			dBA	54			58	6	50	6	0.0	
	Heating			dBA		53			60		59.0	61.0	
Sound pressure	Cooling	Silent op	eration/Low/High	dBA		19/25/41		19/29/45	21/30/45	27/33/46	30.0/37.0/46.0	32.0/38.0/47.	
level	Heating	Silent op	eration/Low/High	dBA	20/2	26/39	20/27/39	20/28/39	21/29/45	31/34/46	33.0/36.0/45.0	34.0/37.0/46.	
Control systems	Infrared i	emote cor	ntrol					ARC4	466A86				
Outdoor unit				RXM	CTXM15A	20A	25A	35A	42A	50R	60R	71R	
Dimensions	Unit	HeightxV	VidthxDepth	mm			610x9	23x367		734x954x40		ĺ	
Weight	Unit		<u> </u>	kg	1		36			49.0		55	
Sound power level	Cooling	Nom.		dBA	1		58		61	62	63	66	
·	Heating	Nom.		dBA	1		58	60	61	62	60	71	
Sound pressure	Cooling	Nom.		dBA	1	4	6.0	47	48	4	8.0	47.0	
level	Heating	Nom.		dBA	1	4	7.0	49.0	49	4	9.0	48.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	1		-10~50		.,-			-10~46	
	Heating	Ambient	Min Max.	°CWB	1	-21~18			-10~50 -21~18			-15~18	
Refrigerant	Type/GW	'P			Multi				R-32/675.0				
-	Charge	-,-		kg/TCO2Eq	combination only		0.95/0.65		0.95/0.65 1.10/0.75		1.15/0.780		
Piping connections		OD		mm	Offity				6.4				
. •	Gas			1		9.	.50		1.	12.7			
	Piping	OU - IU	Max.	m	1		20				30	15.9	
	length	System	Chargeless	m	1	10							
	Addition	al refrigera		kg/m	1		0.02 (for piping length exceeding 10m)						
	Level difference		Max.	m	1	15 20.0							
Ecverametrice 10					-1								

See separate drawing for operation range | See separate drawing for electrical data | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Cooling: indoor temp. 27°CDB, 19°0°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases | See separate drawings for electrical data

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Hz/V

Power supply

Current - 50Hz

Phase/Frequency/Voltage

Maximum fuse amps (MFA)

# Discreet wall mounted unit providing high efficiency and comfort

- > Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- > Onecta app: control your indoor from any location with an app, via your local network or internet.
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- > 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- > The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- > Seasonal efficiency values up to A++ in cooling and heating
- > Space saving contemporary wall mounted design

NEW > Up to 5 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to



be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.

More details and final information can be found by scanning or











clicking the QR	codes.			FTX	P-N <b>₫</b> ∰	FTXP-N	19 宣播學	RXP-N		RXP-N9	
Efficiency data			FTX	(P + RXP	20N9 + 20N9	25N9 + 25N9	35N9 + 35N9	50N + 50N	60N + 60N	71N + 71N	
Cooling capacity	Min./Nom	n./Max.		kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0	1.7/5.0/6.0	1.7/6.0/7.0	2.3/7.1/7.3	
Heating capacity	Min./Nom	n./Max.		kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80	1.7/6.0/7.7	1.7/7.0/8.0	2.3/8.2/9.0	
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.54/0.72	0.31/0.67/0.72	0.29/1.08/1.30	0.320/1.385/1.826	0.332/1.824/2.980	0.449/2.689/3.274	
·	Heating		Min./Nom./Max.	kW	0.25/0.52/0.95	0.25/0.69/0.95	0.29/0.99/1.29	0.440/1.579/2.356	0.456/1.928/2.787	0.617/2.571/3.306	
Space cooling	Energy ef	ficiency cla	ass				Α	**			
	Capacity		Pdesign	kW	2.00	2.50	3.50	5.0	6.0	7.1	
	SEER					7.20	7.30		6.82	6.20	
	Annual energy consumption			kWh/a	97	121	170	240	308	401	
Space heating	Energy ef	ficiency cla	ass		A**			A*			
(Average climate)	Capacity		Pdesign	kW	2.20	2.40	2.80	4.60	4.80	6.20	
	SCOP/A				4.65	4.61	4.64	4.40	4.10	4.01	
	Annual er	nergy cons	umption	kWh/a	663	728	845	1,463	1,638	2,166	
Nominal efficiency	EER	EER				75	3.26	3.61	3.29	2.64	
	COP				4.77	4.36	4.02	3.80	3.63	3.19	
	Annual er	Annual energy consumption kW			270	335	540	693	912	1,345	
	Energy labeling Directive Cooling/Heating				A/A			-/-			
Indoor unit				FTXP	20N9	25N9	35N9	50N	60N	71N	
Dimensions	Unit	HeightxW	VidthxDepth	mm	286x770x225				295x990x263		
Weight	Unit			kg	8.	50	9.00	9.00 13.5			
Air filter	Type						Removable	e / washable			
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	4.2/5.6/7.4/9.5	4.2/5.8/7.7/9.7	4.5/6.3/8.3/11.5	8.3/11.5/14.0/16.3	9.2/11.8/14.4/16.8	10.1/11.8/14.4/16.8	
		Heating	Silent operation/ Low/Medium/High	m³/min า	5.2/6.2/8.1/10.4	5.2/6.4/8.1/10.4	5.3/7.0/9.0/11.5	10.4/11.8/14.4/17.3	11.0/12.4	/15.3/17.9	

Weight	Unit			kg	8.	.50	9.00	13.5				
Air filter	Type	Removable / washable										
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	in 4.2/5.6/7.4/9.5	4.2/5.8/7.7/9.7	4.5/6.3/8.3/11.5	8.3/11.5/14.0/16.3	9.2/11.8/14.4/16.8	3 10.1/11.8/14.4/16.8		
		Heating	Silent operation/ Low/Medium/High	m³/min 1	5.2/6.2/8.1/10.4	5.2/6.4/8.1/10.4	5.3/7.0/9.0/11.5	10.4/11.8/14.4/17.3	11.0/12.4	1/15.3/17.9		
Sound power level	Cooling			dBA	ı,	55	58	59	60	62		
	Heating			dBA		55	58	61	62			
Sound pressure	Cooling	Silent op	eration/Low/High	dBA	19/25/39	19/26/40	20/27/43	27/34/43	30/36/45	32/37/46		
level	Heating	Silent op	eration/Low/High	dBA	21/28/39	21/28/40	21/29/40	30/38/42	32/40/44	33/41/45		
Control systems	Infrared i	remote cor	ntrol		ARC480A53							
Outdoor unit				RXP	20N9	25N9	35N9	50N	60N	71N		
Dimensions	Unit	Unit HeightxWidthxDepth mm				550x740x343		734x870x373				

Outdoor unit				RXP	20N9	25N9	35N9	50N	60N	71N		
Dimensions	Unit	HeightxV	VidthxDepth	mm		550x740x343		734x870x373				
Weight	Unit			kg	26		26	46.0	50	0.0		
Sound power level	Cooling				60		62	61	63	66		
Sound pressure	Cooling	Nom.		dBA	46		48	47	49	52		
level	Heating	Nom.		dBA	47		48	4	9	52		
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-10-	~48				
	Heating	Ambient	Min.~Max.	°CWB			-15 <sup>,</sup>	~18				
Refrigerant	Type				R-32							
	GWP					675.0			675			
	Charge			kg/TCO2Eq	0.55/0	).37	0.70/0.48	0.90/0.61	1.15/	0.78		
Piping connections	s Liquid	OD		mm		6.4			6.35			
	Gas	OD		mm		9.5			12.7			
	Piping lengt	h OU - IU	Max.	m		20			30			
Dimensions Weight Sound power level Sound pressure level Operation range Refrigerant	Addition	al refrigera	nt charge	kg/m	0.02 (for piping length exceeding 10m)							
	Level difference	Level difference IU - OU Max.			12			20				
Power supply	Phase/Fre	equency/V	oltage	Hz/V	1~/50/220-240							
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α		16		20				

Nominal cooling capacities are based on: indoor temperature:  $2^{\infty}CDB$ ,  $19^{\circ}CWB$ , outdoor temperature:  $35^{\circ}CDB$ , equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature:  $20^{\circ}CDB$ , outdoor temperature:  $7^{\circ}CDB$ ,  $6^{\circ}CWB$ , equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Contains fluorinated greenhouse gases

<sup>&</sup>quot;Integrated for 20-25-35 class. Standard for 50-60-71 class

# Wall mounted unit for low energy consumption and pleasant comfort

- > Seasonal efficiency values up to A++ in cooling
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- > REMARK: For 20-42 class, please order option package BRP069C47. A different remote controller is included in the package to control the unit once the option is installed.
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Quiet in operation down to 21 dBA
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



More details and final information can be found by scanning or clicking the QR codes.







20

20

RXF-F

clicking the QR	codes.		回路沿海拔	完 FTX	F-D 🔳	<del>經過</del> 應 FT.	XF-E	新疆典院是 RX	XF-D	画際場場機能 P	XF-E		
Efficiency data			FTX	F + RXF	20E + 20E	25E + 25E	35E + 35E	42E + 42E	50D + 50D	60D + 60D	71D + 71D		
Cooling capacity	Min./Nor	n./Max.		kW	1.3/2.00/2.4	1.3/2.50/2.8	1.3/3.30/3.8	1.4/4.20/4.3	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/7.30		
Heating capacity	Min./Nor	n./Max.		kW	1.30/2.40/3.30	1.30/2.80/3.70	1.30/3.50/4.40	1.40/4.60/5.00	1.70/6.00/7.70	1.70/6.40/8.00	2.30/8.20/9.0		
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.592/0.72	0.31/0.772/1.05	0.31/1.00/1.40	0.31/1.27/1.50	-/1.50/-	-/1.85/-	-/2.77/-		
	Heating		Min./Nom./Max.	kW	0.25/0.640/0.95	0.25/0.750/1.11	0.25/0.940/1.50	0.25/1.24/1.40	-/1.62/-	-/1.63/-	-/2.21/-		
Space cooling	Energy efficiency class					A	•		A				
	Capacity		Pdesign	kW	2.00	2.50	3.50	4.20	5.00	6.00	7.10		
	SEER					6.	.50		6.21	6.15	5.15		
		nergy cons		kWh/a	108	135	188	226	282	342	483		
Space heating		fficiency cl	ass				A			A			
(Average climate)	Capacity		Pdesign	kW	2.20	2.40	2.60	3.30	4.60	4.80	6.20		
	SCOP/A					4.20		4.30		06	3.81		
	Annual e	nergy cons	sumption	kWh/a	733	801	867	1,075	1,585	1,654	2,275		
Indoor unit				FTXF	20E	25E	35E	42E	50D	60D	71D		
Dimensions	Unit	HeightxV	VidthxDepth	mm		286x7	70x225			295x990x263			
Weight	Unit			kg	8.	.00	8.50	9.00		13.5			
Air filter	Type						Rer	novable / wash	shable				
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	4.3/6.0/8/9.8	4.3/6.2/8/10.0	4.4/6.4/8/11.5	4.9/6.9/9/12.6	10.5/11.9/14.4/16.8	10.7/12.2	/14.8/17.3		
		Heating	Silent operation/ Low/Medium/High		5.3/6.2/8.3/10.4	5.3/6.4/8.4/10.4	5.3/6.5/8.6/11.9	5.2/6.7/8.8/12.8	10.7/12.2/14.8/17.3	11.3/12.8	/15.8/17.9		
Sound power level	Cooling			dBA	53.0	54	4.0	59.0	59	60	62		
	Heating			5.	55.0 56.0			61	6	52			
Sound pressure	Cooling	Silent op	eration/Low/High	dBA	20.0/25.0/39.0	20.0/26.0/40.0	20.0/27.0/43.0	22.0/30.0/45.0	31/34/43	33/36/45	34/37/46		
level	Heating	Silent op	eration/Low/High	dBA	21.0/28.0/39.0	21.0/28.0/40.0	21.0/29.0/40.0	22.0/28.0/44.0	30/33/42	32/35/44	33/36/45		
Control systems	Infrared r	emote cor	ntrol					ARC470A1					
	Wired rer	note contr	ol		BRC073A1								
Piping connections	Drain							18					
Outdoor unit				RXF	20E	25E	35E	42E	50D	60D	71D		
Dimensions	Unit	HeightxV	VidthxDepth	mm		550x7	40x343			734x870x373			
Weight	Unit		·	kg		24.0		28.0	46.0	50	0.0		
Sound power level	Cooling				6	50		51		-			
Sound pressure	Cooling	Low/Non	n./High	dBA	-/-/	46.0	-/-/48.0		-/47/-	-/49/-	-/52/-		
level	Heating	Low/Non	n./High	dBA	-/-/	47.0	-/-/	48.0	-/4	19/-	-/52/-		
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-10 ~48					
-	Heating	Ambient	Min.~Max.	°CWB				-15 ~18					
Refrigerant	Туре				R-32								
-	GWP					67	75.0			675			
	Charge			kg/TCO2Eq	0.450	/0.280	0.550/0.370	0.750/0.510	0.90/0.61	1.15/	0.78		
Piping connections	Liquid - Gas	Туре											
	Piping lengt	h OU - IU	Max.	m		2	20			30			
	D' . ' L.				I								

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series | Nominal cooling capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 20°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temp

m

Α

dBA

Hz/V

12.0

16

1~/50/220-240

Power supply

Current - 50Hz

Sound pressure level Nom.

Piping length

Level

Piping connections Total piping length

difference

IU - OU

Phase/Frequency/Voltage

Maximum fuse amps (MFA)

Max.





#### Wall mounted unit, offering good value for money

- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- > Seasonal efficiency values up to A++ in cooling
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



More details and final information can be found by scanning or clicking the QR codes.





RXC-D

Efficiency data		FTXC + RX	20D + 20D	25D + 25D	35D + 35D	50D + 50D	60D + 60D	71D + 71D
Cooling capacity	Min./Max.	kV	/ 1.3	/3.0	1.3/4.0	1.4/6.2	1.8/7.0	2.3/7.3
Heating capacity	Min./Max.	kV	/ 1.30	/4.00	1.30/4.80	1.36/6.60	1.48/8.00	2.30/9.00
Power input	Cooling Mi	n./Nom./Max. kV	/ 0.30/0.595/1.15	0.30/0.765/1.15	0.32/1.05/1.74	0.30/1.55/2.11	0.38/1.89/2.05	0.44/2.38/2.54
	Heating Mi	n./Nom./Max. kV	/ 0.28/0.670/1.35	0.28/0.750/1.35	0.28/1.07/1.57	0.27/1.52/1.85	0.33/1.68/2.35	0.50/2.46/2.74
Space cooling	Energy efficiency class				A**			A
	Capacity Pd	esign kV	2.08	2.57	3.44	5.08	6.21	6.96
	SEER		6.89	6.84	6.87	6.45	6.40	5.30
	Annual energy consump	ption kWh/	a 106	131	175	276	339	460
Space heating	Energy efficiency class				A <sup>+</sup>			A
(Average climate)	Capacity Pd	esign kV	/ 1.87	2.23	2.24	3.90	4.10	6.35
	SCOP/A		4.40	4.45	4.28	4.42	4.24	3.81
	Annual energy consump	ption kWh/	a 595	701	733	1,234	1,353	2,332
Nominal efficiency	EER		3.36	3.	35	3.29	3.30	2.98
	COP		3.73	3.79	3.74	3.71	3.81	3.25
	Energy labeling Co Directive	oling/Heating			A/A			C/C
Current - 50Hz	Maximum fuse amps (M	IFA)	A		1	6		

Indoor unit				FTXC	20D	25D	35D	50D	60D	71D
Dimensions	Unit	HeightxV	VidthxDepth	mm		288x	770x234		297x9	90x273
Weight	Unit			kg	9	.00	9.	.50	13	3.0
Air filter	Type						Removable	e / washable		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	5.4/6.1	/8.1/10.8	5.4/6.4/8.7/11.1	7.4/8.1/9.9/12.5	10.2/12.5	/14.5/20.4
Sound power level	Cooling			dBA		57	58	60	(	53
Sound pressure leve	l Cooling	Silent op	eration/Low/High	dBA	21/2	26/40	22/26/41	30/33/47	31/3	8/48
Control systems	Infrared r	emote con	ntrol				ARC4	486A2		
	Wired rer	note contr	ol					-		

Outdoor unit				RXC	20D	25D	35D	50D	60D	71D
Dimensions	Unit	Heightx\	WidthxDepth	mm		550x658x273		615x84	15x300	695x930x350
Weight	Unit			kg	24	1.0	26.0	39	9.0	45.0
Sound power level	Cooling			dBA	5	8	60	65	66	69
Sound pressure leve	l Cooling	High		dBA	4	5	46	51		54
Operation range	Cooling	Ambient	: Min.~Max.	°CDB		10~46			-10 ~46	
	Heating	Ambient	: Min.~Max.	°CWB			-15	~18		
Refrigerant	Type						R-	32		
	GWP						67:	5.0		
	Charge			kg/TCO2Eq	0.550	-15 ~18  R-32  675.0  60/0.371  0.750/0.506  1.00/0.675  1.10/0.743  1.15/0.7  6.35  9.52  12.7  20  30		1.15/0.776		
Piping connections	s Liquid	OD		mm			6.	35		
	Gas	OD		mm		9.52			12.7	
	Piping	OU - IU	Max.	m		20			30	
	length	System	Chargeless	m			8	3		
	Addition	al refrigera	ant charge	kg/m		0.	.01 (for piping leng	th exceeding 7.5r	n)	
	Level differen	te IU - OU	Max.	m		15.0			20.0	
Power supply	Phase/Fr	equency/\	/oltage	Hz/V			1~/50/2	20-240		
Current - 50Hz	Maximu	n fuse amp	os (MFA)	A			1	6		

 ${\it Contains fluorinated greenhouse gases}$ 



Perfera floor standing unit

## makes your world comfortable

Whatever you're planning to do with your day, you want to be comfortable while you're doing it. Whether it's the coolness of a summer breeze or the cosiness during winter, your living space needs that delicious feeling of wellbeing all year round. Perfera is unobtrusive and features a stylishly designed front panel, whisper-quiet operation and reduced airflow, turning each room into a true heaven of conspicuous comfort.

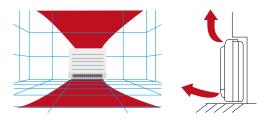
## Multi connection on all capacities: from 2 to 5 port multi



#### Comfortable: dual airflow

#### Easier individual control of airflow

The dual airflow of the Perfera floor-standing unit is perfect for creating the ideal level of heating. Air is directed both upwards and downwards to deliver even warm air distribution. And when the Perfera is in heat mode, your feet stay warm and the temperature throughout the room is evenly distributed, guaranteeing maximum comfort. Sheer bliss!





#### Silent operation

Perfera uses a specially designed turbo fan that optimises airflow and creates high energy efficiency at low sound levels.







## Air quality

#### Flash streamer/titanium apatite deodorising filter

Flash streamer: using electrons to trigger chemical reactions with airborne particles, the Flash Streamer removes allergens such as pollen and fungal allergens, eliminating unpleasant odours and providing better, cleaner air. And the titanium apatite deodorising filter works hard to combat smells such as tobacco smoke and pets.

#### Installation

Whether **built-in or wall-mounted**, the Perfera blends into the background and fits into your interior without any problem.





## 3 unique heating features



## Heat boost

Heat boost quickly heats up your home when starting up your air-to-air heat pump. Set temperature is reached 14% faster\* than a regular unit (pair only).

\*Heat Plus test condition: 50 class, outdoor temperature 2°C - Indoor temperature 10°C, R/C setting: 23°C



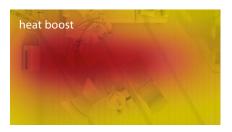
### Floor warming

The floor warming function optimises convection by distributing hot air from the bottom of the unit.



### Heat plus

The heat plus function provides cosy heating by simulating radiant heat for 30 minutes. Afterwards, the previous settings are again activated.











## Intuitive online and voice control

**NEW** Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!





## Floor standing unit

#### Design floor standing unit for optimal heating comfort thanks to unique heating features

- > Seasonal efficiency values up to A++ in heating, resulting in low running costs compared to gas boilers and electric heating
- > Excellent contemporary design
- > Combinable with all multi outdoor units (2 to 5 ports)
- > Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- > The floor warming function optimises convection by distributing hot air from the bottom of the unit
- > The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- > Dual air discharge flow for better air distribution
- > Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air



- > Onecta app: control your indoor from any location with an app, via your local network or internet.
- > Quiet operation: down to 19dBA sound pressure level

More details and final information can be found by scanning or clicking the QR codes.

Heating

Cooling

Silent operation/Low/High

Sound pressure





FVXM-A9

20.0/25.0/39.0

19 0/25 0/39 0

RXM-A

62.0

27.0/31.0/44.0

29 0/35 0/46 0

clicking the Qn	coucs.				Terl Acoda Medical Strategics	CV/(IVI //)	TO TO THE STATE OF	11//11/1
Efficiency data			FVXN	1 + RXM	CVXM20A9	25A9 + 25R9	35A9 + 35R9	50A9 + 50A
Cooling capacity	Min./Nom	./Max.		kW		1.30/2.40/3.50	1.40/3.40/4.00	1.40/5.00/5.80
Heating capacity	Min./Nom	./Max.		kW		1.30/3.40/4.70	1.40/4.50/5.80	1.40/5.80/8.10
Power input	Cooling		Nom.	kW		0.54	0.85	1.31
	Heating		Nom.	kW		0.75	1.15	1.52
Space cooling	Energy eff	iciency cla	SS			A***	A**	A**
	Capacity		Pdesign	kW		2.40	3.40	5.00
	SEER					8.55	8.11	7.30
	Annual en	ergy consi	ımption	kWh/a	Multi connection	98	147	240
Space heating	Energy eff	iciency cla	SS		Multi connection only		<b></b>	A*
(Average climate)	Capacity		Pdesign	kW	Offig	2.30	2.80	4.10
	SCOP/A					4.65	4.63	4.31
	Annual en	ergy consi	ımption	kWh/a		693	847	1,330
Nominal	EER					4.47	4.01	3.81
efficiency	COP					4.55	3.90	3.81
	Annual en	ergy consi	ımption	kWh		268	424	656
	Energy lab	eling Dire	ctive Cooling/He	ating		Į.	A/A	A/A
Current - 50Hz	Maximum f	use amps (M	FA)	Α			13	16
Indoor unit				FVXM	CVXM20A9	25A9	35A9	50A9
Dimensions	Unit	HeightxV	VidthxDepth	mm		600x7	750x238	
Weight	Unit			kg			17	
Air filter	Type					Removabl	e / washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/ High	m³/min	4.1/4.9	0/7/8.7	4.1/4.9/7/9.2	5.4/6.6/9/11.6
		Heating	Silent operation/ Low/Medium/ High	m³/min	4.1/5.6/	7.2/9.2	4.1/5.6/7.2/9.8	5.9/8.4/10.0/12.8
Sound power leve	l Cooling			dBA	52	2.0	53.0	61.0

ievei	пеанну	Silent op	eration/Low/High	UDA	21.0/25.0/56.0	19.0/25.0/56.0	19.0/25.0/39.0	29.0/33.0/40.0
Control systems	Infrared r	emote cor	ntrol			ARC4	66A66	
	Wired rer	note contr	ol			BRC	073A1	
Outdoor unit				RXM	CVXM20A9	25A	35A	50A
Dimensions	Unit	HeightxV	WidthxDepth	mm		552x8	40x350	734x954x401
Weight	Unit			kg			32	49.0
Sound power level	Cooling	Nom.		dBA		58.0	61.0	62.0
	Heating	Nom.		dBA		59.0	61.0	62.0
Sound pressure	Cooling	Nom.		dBA		46.0	49.0	48.0
level	Heating	Nom.		dBA		47.0	49.0	49.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10	~46	-10~46
	Heating	Ambient	Min Max.	°CDB	Market and a section	-15	~24	-15~24
Refrigerant	Type/GW	'P			Multi connection	R-32	/675.0	R-32/675.0
-	Charge			kg/TCO2Eq	only	0.76	5/0.52	1.15/0.780
Piping connections	s Liquid/Ga	s OD		mm		6.35	5/9.50	6/12.7
	Piping	OU - IU	Max.	m			20	30
	length	System	Chargeless	m			10	10
	Addition	al refrigera	int charge	kg/m		0.02 (for piping len	gth exceeding 10m)	0.02 (for piping length exceeding 10m)
	Level difference	e IU - OU	Max.	m			15	20.0
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/50/	220-240	1~/50/220-240

22.0/25.0/38.0

21 0/25 0/38 0

52.0

20.0/25.0/38.0

19 0/25 0/38 0

dBA

dBA

dRΔ

Maximum fuse amps (MFA) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases | See separate drawings for electrical data

Current - 50Hz



## Concealed ceiling unit

## Compact concealed ceiling unit, with a height of only 200mm

- > Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- > Unified indoor unit range for R-32 and R-410A
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Low energy consumption thanks to DC fan motor



More details and final information can be found by scanning or clicking the QR codes.

Power supply Current - 50Hz

Maximum fuse amps (MFA)



l-F9 RXM-R



RXM-A

Efficiency data			FD)	KM + RXM	25F9 + 25R9	35F9 + 35R9	50F9 + 50A	60F9 + 60R
Cooling capacity	Min./Nor	n./Max.		kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nor	n./Max.		kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy e	fficiency cl	ass		A <sup>+</sup>	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	Annual e	nergy con	sumption	kWh/a	148	226	303	378
Space heating	Energy e	fficiency cl	ass		A <sup>+</sup>		A	
(Average climate)	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	Annual e	nergy con	sumption	kWh/a	858	1,046	1,424	1,693
Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	Heiahtx\	WidthxDepth	mm		50x620	200x1,1	
Weight	Unit		10 -	kg		21	2	
Air filter	Туре					Removable		
Fan	Air flow	Cooling	Low/Medium/Hig	gh m³/min	7.3/8	3.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	rate	Heating	Low/Medium/Hig			3.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	External static Nom. pressure ver level Cooling			Pa		30		0
Sound power level					5.	3.0	55.0	56.0
	Heating				5.	3.0	55.0	56.0
Sound pressure	Cooling	Low/Hig	h	dBA	27.0	/35.0	30.0	/38.0
level	Heating	Low/Hig	h	dBA	27.0	/35.0	30.0	/38.0
Control systems	Infrared	remote coi	ntrol					
Outdoor unit				RXM	25R9	35R9	50A	60R
Dimensions	Unit	Heightx\	WidthxDepth	mm	552x8	40x350	34x95	4x401
Weight	Unit			kg		32	49	9.0
Sound power level	Cooling	Nom.		dBA	58	61	62.0	63.0
-	Heating	Nom.		dBA	59	61	62.0	63.0
Sound pressure	Cooling	Nom.		dBA	46	49	48	3.0
level	Heating	Nom.		dBA	47	49	49	9.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50	(1)/46(2)	-10~50(	4)/46(5)
	Heating	Ambient	Min Max.	°CWB		-15 <sup>,</sup>	-24	
Refrigerant	Туре					R-	32	
	GWP					67:	5.0	
	Charge			kg/TCO2Eq	0.76	5/0.52	1.15/0	0.780
Piping connections	Liquid	OD		mm	6	.35	(	5
	Gas	OD		mm	9	.50	12	2.7
	Piping	OU - IU	Max.	m		20	3	0
	length System Chargeless			m		1	0	
	Additional refrigerant charge					0.02 (for piping leng	gth exceeding 10m)	
	Level difference	te IU - OU	Max.	m		15	20	0.0
Power supply	Phase/Fr	equency/\	/oltage	Hz/V		1~/50/2	20-240	
C		•	(1.45.4)	Α .				

See separate drawing for electrical data | See separate drawing for operation range | Nominal cooling capacities are based on: indoor temperature: 2°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Contains fluorinated greenhouse gases

Α

13

16



## Multi Split Simply extend your comfort!

A Daikin multi split system offers you unexpected possibilities in creating a comfortable and cosy home. This is your solution to reduce limitations like environmental impact and financial aspects.

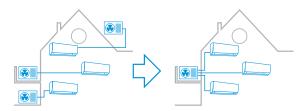
## Less mounting space, less visibility, less sound

- > **Save space**: Drastically reduce the space required for placing a number of units on your facade
- > **Less visibility**: Enjoy your nice ambience. Finding just one hiding place is much easier
- > **Less noise**: Only one unit in operation is much quieter than two or more units

# Lower power consumption, high efficiency

> Less power consumption: Our big compressors can work more efficiently than various smaller ones with the same capacity in sum. Also save a significant proportion of energy thanks to standby mode

Pair split or multi split combination – the direct system comparison



Conventional pair split installation for airconditioning three rooms Solution for the same situation with only one multi split outdoor unit

# Easier installation, wiring, piping and maintenance

- Save mounting equipment: Wherever you want to place an outdoor unit, for every unit you will need a mounting for a secure fixing and problem-free operation
- > Save time: The physical installation, wiring, drain piping as well as the initial setup of only one system is much easier and faster
- > When using only one outdoor unit instead of two or more, the statistical probability of a possible technical defect is reduced with every unit that you do not need.

# More flexibility: Connect up to 5 indoor units of any style

There are many possibilities in comfort you can profit from a multi split solution:

- > Up to 5 indoor units connectable to only one outdoor unit
- > Every single indoor unit can be regulated separately
- Choose from a greater variety of connectable indoor unit types out of our split and Sky Air series
- Use low capacity indoor units specially designed for small rooms which can only be connected to a multi split system
- Are you planning an additional indoor unit later on?
   Just decide now for an outdoor unit with higher capacity and simply connect it later
- > Have more than 5 rooms to connect? Our VRV systems provide the solution, find out more in the VRV chapter



## Multi model application

- > New design outlook for full range
- Seasonal efficiency values up to A+++ in cooling and heating thanks to its up-to-date technology and built-in intelligence
- UNIQUE IN THE MARKET \*
- > Up to 5 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- > Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



											Wa	ll m	our	ntec	i										Co	ncea	aled	cei	ling	,			oor din	g		our flov		ı	Full	y fla	t	sus	eilir pen				eale tand	
CONNECTABLE INDOOR UNITS	F	тх	J-A	W/	S/B		CTXA-CW/S/B	F	TX	A-C	W/S	/B	CTXM-A			F	TXI	И-А			F	TXF	P-N9		FDX	M-F	9	FI	BA- <i>i</i>	<b>A</b> 9	CVXM-A9	FV	XM-	-A9	FC	CAG	-В		FFA	\-A9		Fŀ	HA-A	<b>A9</b>		FN/	A-AS	9
	20	25	3	5 4	2 5	50	15	20	25	35	42	50	15	20	25	35	42	2 50	60	7	1 2	0 2	5 35	25	35	50	60	35	50	60	20	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60
2MXM40A9	•	•	•		T		•	•	•	•			•	•	•	•	Т	Т	Т		•	•	•	•	•						•	•	•															Г
2MXM50A9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•				•	•	•								
2MXM68A9	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
3MXM40A9	•	•	•				•	•	•	•			•	•	•	•					•		•	•	•			•			•	•	•		•			•	•			•			•	•		
3MXM52A9	•	•	•		•	•	•	•	•	•	•	•	•*	•*	•	0	•	•			•	•	•	•	•	•		•	•		•	•	•	•	•	•		•	•	•		•	•		•	•	•	
3MXM68A9	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4MXM68A9	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		1		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
4MXM80A9	•	•	•	1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5MXM90A9	•	•				•	•	•				•	•									,			•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•

Outdoor unit	Indoor unit	Energ	y label
	CTXM-A/FTXM-A	Cooling	Heating
	1.5+1.5+3.5	A***	A***
	1.5+2.0+3.5	A***	A***
24474452427450	1.5+2.5+3.5	A***	A***
3MXM52A2V1B9	2.0+2.0+3.5	A***	A***
	2.0+2.5+3.5	A***	A***
	2.5+2.5+3.5	A***	A***

More details and final information can be found by scanning or clicking the QR codes.



2MXM-A



3MXM-A9



4MXM-A9



5MXM-A9

Outdoor unit					2MXM40A9	2MXM50A9	2MXM68A9	3MXM40A9 3MXM52A9	3MXM68A9	4MXM68A9	4MXM80A9	5MXM90A
Dimensions	Unit	HeightxV	VidthxDepth	mm	552x85	52x350			734x974x408	3		
Weight	Unit			kg	36	41	60.0	57	62.0	63.0	67.0	68.0
Sound power level	Cooling				6	0	61.0	59.0		61.0		64.0
Sound pressure	Cooling	Nom.		dBA	46	4	8	46		48		52
level	Heating	Nom.		dBA	48	50	48	47	48	4	.9	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-10~46				
	Heating	Ambient	Min.~Max.	°CWB				-15~18				
Refrigerant	Type							R-32				
	GWP							675.0				
	Charge			kg/TCO2Eq	0.88/0.60	1.15/0.78	2.00/1.35	1.80/1.22	2.00	/1.35	2.40	/1.62
Piping connections	Liquid	OD		mm	6.	4	6.35	6.4		6.	35	
	Gas	OD		mm	9.	5	9.50	9.5		9.	50	
	Piping	OU - IU	Max.	m	20	(1)			25 (1)			
	length	System	Chargeless	m	2	0			30			
	Addition	al refrigera	nt charge	kg/m	0.02 (for pip exceedi			0.02 (for pipir	ng length ex	ceeding 30	m)	
	Level difference	e IU - OU	Max.	m				15.0				
Power supply	Phase/Fr	equency/V	oltage	Hz/V	1~/50/220	)-230-240		1	~/50/220-24	0		
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α	10	6	20	16	20		25	32



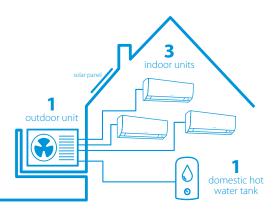
## Why choose Multi+?

Your customer is considering to replace the existing heating system with electric heaters Your customer's house:

- Around 80 m<sup>2</sup> or less
- Located in southern Europe, in a single or multi family house
- Max 3 inhabitants

#### 1 - Flexibility

- > Connect Multi+ outdoor unit with up to 3 indoor units and a 90 l or 120 l tank to provide domestic hot water.
- Choose from a market-leading variety of indoor units.
   You can connect up to three different indoor units to cool or heat your rooms.



#### 2 - Efficiency

 Replacing an old air conditioning system and electric hot water tank by Multi+ will give your customer a good return on investment







#### 3 - Comfort

Benefit from high comfort and low expenses Enjoy your preferred room temperature in up to three rooms at any time all year round. Daikin offers a variety of heat pumps with industry-leading comfort and air quality features.

The domestic hot water tank is available in two sizes and perfectly matches the Multi+ outdoor unit. Two different operating modes adapt precisely to your comfort needs.

A user-friendly control lets you configure the entire system exactly the way you want it.

The Onecta app enables scheduling, controlling and monitoring of each indoor unit and the domestic hot water tank – also via voice control.



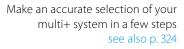


## ible -

#### NEW HomeHub tank optimization by PV

Thanks to the HomeHub, tank optimisation is possible between the tank and photovoltaic solar panels. For example, with the accessory EKRHH, the electric heater of the tank will be switched on if injection is higher than 1.2 kW. Therefore, during sunny days, hot water will always be available, while the house is cooled.







#### Multi+

#### Only one system for domestic hot water + air conditioning

- > New design outlook for outdoor unit
- > Seasonal efficiency values up to A+++ in cooling and A++ for air conditioning
- > Domestic hot water efficiencies up to A
- > Wall mounted domestic hot water tank, available in 90l and 120l
- > Up to 3 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- > The outdoor unit is fitted with a swing compressor, renowned for its low noise and high energy efficiency

NOTE: please always install a pressure relief valve when installing a domestic hot water tank



CONNECTABLE								Wall	mou	nted									c	once	aled	ceili	ing		Floor	stan	ding			und ow	Fu	ılly fl	lat	Ceil mou	٠.		ncea floor andii		hot	nestic water ink
INDOOR UNITS		FTX.	J-AW	/S/B			C/F	TXA	-CW/S	S/B				C/FT	XM-A	١.		F	DXM-	F9		FB	A-A9		CVXM-A9	F۱	/XM-	Α9	FCA	ιG-B	F	FA-A	9	FHA	-A9	F	NA-A	9	EKH B'	WET- V3
	20	25	35	42	50	15	20	25	35	42	50	15	20	25	35	42	50	25	35	50	35	50	60	71	20	25	35	50	35	50	25	35	50	35	50	25	35	50	90	120
4MWXM52A9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•*	•*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

It is not allowed to install 1 indoor unit connection. Exception is 1 indoor unit connection of FBA60 or FBA71

More details and final information can be found by scanning or clicking the QR codes.







Efficiency data					EKHWET90BV3 + 4MWXM52A9	EKHWET120BV3 + 4MWXM52A9
COPdhw	Average	climate			2.19	2.30
	Warm cli	mate			2.68	2.70
Heat-up time	Average	climate		h:mm	1:18	2:15
	Warm cli	mate		h:mm	1:53	3:35
Seasonal efficiency	Domestic	General	Declared load profile		M	L
	hot water heating	Average climate	ηwh (water heating efficiency)	%	90	94
Water heating energy efficiency class*					A	<u> </u>
Set point				°C	44	47
*EN16147(2017)						

ter tank	EKHWET	90BV3	120BV3
Colour		White	2
		Enameled	steel
HeightxWidthxDepth	mm	1,032x536x571	1,296x536x571
	kg	47	55
Water volume	[	89	118
Energy efficiency class*		В	С
Heating Ambient Min.~Max.	°C	-15~43	3
Water side Min.~Max.	°C	10~53	3
	Colour  HeightxWidthxDepth  Water volume Energy efficiency class* Heating Ambient Min.~Max.	Colour  HeightxWidthxDepth mm  kg  Water volume I  Energy efficiency class*  Heating Ambient Min.~Max. °C	Colour         White Enameled           HeightxWidthxDepth         mm         1,032x536x571         Image: Color of the property

LO12					
Outdoor unit				4MWXM	52A9
Dimensions	Unit	HeightxW	/idthxDepth	mm	734x974x401
Weight	Unit			kg	60
Sound power level	Cooling				59
Sound pressure	Cooling	Nom./Hig	jh	dBA	46
level	Heating	Nom./Hig	jh	dBA	47
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46
	Heating	Ambient	Min.~Max.	°CWB	-15~24
Refrigerant	Туре				R-32
	GWP				675
	Charge			kg/TCO2Eq	2.20/1.49
Piping connections	Liquid	OD		mm	6.35
DX	Gas	OD		mm	9.50/12.7
Piping connections	Liquid	OD		mm	6.35
DHW	Gas	OD		mm	9.50
Piping length	OU - IU		Max.	m	25
	Addition	al refrigera	nt charge	kg/m	0.02 (for piping length exceeding 30m)
Level difference	IU - OU		Max.	m	15
Power supply	Phase/Fre	equency/Vo	oltage	Hz/V	1~/50/220-240
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α	20

<sup>\*</sup> No combination with additional indoor units possible



## Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- > Up to 3 indoor units can be connected to 1 multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- > Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



Indoor units		CTXF20C	CTXF25C	CTXF35C
	2MXF40A	•	•	•
0	2MXF50A	•	•	•
Outdoor units	3MXF52A9	•	•	•
	3MXF68A9	•	•	•

More details and final information can be found by scanning or clicking the QR codes.



2MXF-A



3MXF-A9

Outdoor Unit					2MXF40A	2MXF50A	3MXF52A9	3MXF68A9
Dimensions	Unit	HeightxV	VidthxDepth	mm	550x76	5x285	734x9	58x340
Weight	Unit			kg	36	41	57.0	62.0
Sound power level	Cooling				60	)	59	61
Sound pressure	Cooling	Nom./Hig	gh	dBA	-/46	-/48	46.0/-	48.0/-
level	Heating	Nom./Hig	gh	dBA	-/48	-/50	47.0/-	48.0/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10	~46	
	Heating	Ambient	Min.~Max.	°CWB		-15	~18	
Refrigerant	Type					R	-32	
	GWP					6	75	
	Charge			kg/TCO2Eq	0.88/0.60	1.15/0.78	1.80/1.22	2.00/1.35
Piping connections	Liquid	OD		mm		6	.35	
	Gas	OD		mm		g	9.5	
	Piping	OU - IU	Max.	m	20	(1)	25	(1)
	length	System	Chargeless	m	20	)	3	30
	Addition	al refrigera	nt charge	kg/m	0.02 (for piping leng	th exceeding 20m)	0.02 (for piping len	gth exceeding 30m
	Level difference	e IU - OU	Max.	m		1:	5.0	
Power supply	Phase/Fr	equency/V	'oltage	Hz/V		1~/50/22	0-230-240	
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α		16		20

(1)For one room | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases



# Daikin Altherma hybrid heat pump

Hybrid technology combining gas, air to water and air to air heat pump for heating, cooling and hot water

- Daikin Altherma hybrid heat pump combines air-to-water heat pump technology with gas condensing technology
- > Heating only wall mounted indoor unit of air-to-water heat pump
- > Wall mounted gas module
- Depending on outdoor temperature, energy prices and internal heat load, Daikin Altherma hybrid heat pump always selects the most economical mode to operate
- > Low investment cost: no need to replace the existing radiators (up to 80°C) and pipe work
- Provides sufficient heat in renovation applications as all heat loads are covered up to 32kW
- > Easy and fast installation thanks to the compact dimensions and quick interconnections



										Wa	ll m	oun	ted											Con	ceal	ed o	ceil	ing		s	Flo		J		our flov			Fully	y fla	ıt		Ceilir spen				eale tand			brid pump
CONNECTABLE INDOOR UNITS		TX.	I-A\	V/S	/B	CTXA-CW/B/S		TX/	A-CV	W/B	/S	CTXM-A			FT	ХM	-А			FT	XP-N	<b>N</b> 9	F	DXN	Л-F9		FB	A-A	۰9	CVXM-A9	FV:	(M	<b>A</b> 9	FC	CAG	i-B		FFA	\-A9	•	F	HA-	A9		FN <i>F</i>	A-A9	,		/HBH- V32
	20	25	35	42	50	15	20	25	35	42	50	15	20	25	35	42	50	60	71	20	25	35	25	35	50	60	35	50	60	20	25	35	50	35	50	60	25	35	50	60	35	50	60	25	35	50	60	05	08
3MXM52A9	•	•	•	•	•	0*	0*	o*	•*	•	•	•	•	•	•	•	•			•	•	•	•	•	•		•	•		•	•	•	•	•	•		•	•	•		•	•		•	•	•		•	
3MXM68A9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
4MXM68A9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
4MXM80A9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		0		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
5MXM90A9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
It is not allowed	to i	nsta	all 1	ind	orı	unit	con	nec	tion.											N	IFΝ	,																											-

Outdoor unit Indoor unit **Energy label** CTXM-A/FTXM-A Cooling Heating 1.5+1.5+3.5 1.5+2.0+3.5 A+++ 1.5+2.5+3.5 A+++ 3MXM52A2V1B9 2.0+2.0+3.5 A\*\*\* A\*\*\* A\*\*\* A\*\*\* 2.0+2.5+3.5 A\*\*\* 2.5+2.5+3.5

More details and final information can be found by scanning or clicking the QR codes.







CHYHBH05AV32 CHYHBH05AV32 CHYHBH05AV32 CHYHBH05AV32 CHYHBH08AV32 CHYHB Efficiency data Heating capacity Nom. 4.41 (1) 4.50 (1) 6.78 (1) 4.50 (1) 6.78 (1) 3.91 (1) 4.04 (1) 4.49 (1) 4.17 (1) 4.04 (1) 4.17 (1) 51.80 (1) Seasonal efficiency Domestic hot water General Declared load profile XLηwh (water heating Average 96 heating efficiency) climate Water heating energy efficiency class (1) DB/WB 7°C/6°C - LWC 35°C (DT=5°C), boiler bypassed

Indoor Unit (H	ydrobox)			CHYHBH05AV32	CHYHBH08AV32
Casing	Colour			Wh	nite
	Material			Precoated	sheet metal
Dimensions	Unit	HeightxWidthxDepth	mm	902x4	50x164
Weight	Unit		kg	30	0.0
Operation	Heating	Ambient Min.~Max.	°C	-15	~24
range	_	Water side Min.~Max.	°C	25	~50

range		Water side	Min.~Max.	°C	25 ~50
Indoor unit (Bo	iler)				EHYKOMB33AA2/AA3
Central heating	Heat input Qn (net calorific value)	Nom	Min/Max	kW	6.2/7.6/7.6/22.1/27.0/27.0
	Output Pn at 80/60°C	Min/Nom		kW	6.7/8.2/8.2/21.8/26.6/26.6
	Efficiency	Net calorif	ic value	%	98/107
	Operation range	Min/Max		°C	15/80
Domestic hot	Output	Min/Nom		kW	7.6/32.7
water	Water flow	Rate	Nom	l/min	9.0/15.0
	Operation range	Min/Max		°C	40/65
Gas	Connection	Diameter		mm	15
	Consumption (G20)	Min/Max		m³/h	0.78/3.39
	Consumption (G25)	Min/Max		m³/h	0.90/3.93
	Consumption (G31)	Min/Max		m³/h	0.30/1.29
Supply air	Connection			mm	100
	Concentric				1
Flue gas	Connection			mm	60
Casing	Colour				White - RAL9010
	Material				Precoated sheet metal
Dimensions	Unit	HeightxWidthxDepth	Casing	mm	710x450x240
Weight	Unit	Empty		kg	36
Power supply	Phase/Freque	ncy/Voltac	je .	Hz/V	1~/50/230
Electrical power	Max.			W	55
consumption	Standby			W	2





The Siesta range offers a wide variety of wall mounted units with high efficiency values up to A+++. They provide excellent levels of comfort, and almost all indoor units are connectable to a multi outdoor unit.



## Siesta Bluevolution range



<b>BLUEVOLUTION</b>
---------------------

Туре	Model	Product name		20	25	35	50	60	71
	Wall mounted unit Siesta, discreet, modern unit for optimal efficiency and comfort thanks to 2-area motion detection sensor and Flash Streamer	ATXM-A		(multi only)	A***	A***	A**		
Siesta	Wall mounted unit Siesta, providing high efficiency and comfort while reducing the environmental impact	ATXP-N9		A**	A**	A**			
Wall mounted	Siesta wall mounted unit Wall mounted unit for low energy consumption and pleasant comfort	ATXF-D/A		A**	A**	A**	A**	A**	A
	Siesta wall mounted unit Wall mounted unit, offering good value for money and ensuring a steady supply of clean air	ATXC-D	T.	A**	A**	A**	A**	A**	A





## Attractive, wall mounted Siesta unit with perfect indoor air quality

- > Comfort+: perfect comfort with even temperatures throughout the room. The double flaps direct the air towards the ceiling in cooling and along the wall in heating.
- > Seasonal efficiency values up to A+++ in cooling and heating
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energyefficient setting. (larger capacity area)
- > Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- > Onecta app: control your indoor from any location with an app, via your local network or internet.
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Quiet operation: down to 19dBA sound pressure level
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



More details and final information can be found by scanning or clicking the QR codes.



ATXM-A



ARXM-A

Efficiency data			ATX	M + ARXM	ATXM20A	25A + 25A	35A + 35A	50A + 50A
Cooling capacity	Min./Nor	n./Max.		kW		0.90/2.50/3.80	0.90/3.50/4.40	1.70/5.00/5.30
Heating capacity	Min./Nor	n./Max.		kW		0.80/2.80/5.00	0.80/4.00/5.50	1.70/5.80/6.50
Power input	Cooling		Nom.	kW		0.49	0.78	1.40
	Heating		Nom.	kW		0.56	0.90	1.43
Space cooling	Energy e	fficiency cl	ass			A	<b></b>	A**
	Capacity		Pdesign	kW		2.50	3.50	5.00
	SEER		_			9.30	9.10	7.65
	Annual e	nergy con	sumption	kWh/a	multi combinations	94	135	229
Space heating	Energy e	fficiency cl	ass		only	A	•••	A**
(Áverage climate)	Capacity		Pdesign	kW		2.40	2.50	4.50
	SCOP/A					5	.15	4.75
	Annual e	nergy con	sumption	kWh/a		652	679	1,326
Nominal efficiency						5.10	4.50	3.58
•	COP					5.00	4.45	4.05
		nergy con	sumption	kWh		245	389	698
			e Cooling/Heating				A/A	,
Indoor unit		-		ATXM	20A	25A	35A	50A
Dimensions	Unit	Heightx\	VidthxDepth	mm			04x252	
Weight	Unit			kg			1.5	
Air filter	Туре					Removable	e / washable	
Fan	Air flow rate	Cooling	Silent operation, Low/Medium/Hi		4.9/6.3/8.9/11.9	4.9/6.3/8.9/11.9	4.6/7.1/9.4/13.2	5.9/7.8/10.4/12.
		Heating	Silent operation, Low/Medium/Hi	m³/min	4.9/6.9/9.2/11.4	4.9/6.9/9.2/11.4	5.1/6.9/9.4/11.1	6.9/8.6/11.5/14.
Sound power level	Cooling			dBA	5.	5	58	60
•	Heating			dBA		54		60
Sound pressure	Cooling	Silent op	eration/Low/High		19/2		19/29/45	27/33/46
level	Heating		eration/Low/High		20/26/39	20/27/39	20/28/39	31/34/46
Control systems		remote cor					66A86	
Outdoor unit				ARXM	ATXM20A	25A9	35A9	50A
Dimensions	Unit	Heightx\	VidthxDepth	mm	711711112011		23x367	734x954x401
Weight	Unit	c.gex.	панжерин	kg			5.0	49.0
Sound power level		Nom.		dBA		58.0	58.0	62.0
Journa power lever	Heating	Nom.		dBA		58.0	60.0	62.0
Sound pressure	Cooling	Nom.		dBA		46.0	47.0	48.0
level	Heating	Nom.		dBA		47.0		9.0
Operation range	Cooling		Min.~Max.	°CDB		47.0	-10~50	2.0
operation range	Heating		Min Max.	°CDB			-20~24	
Refrigerant	Type/GW		min. Mux.	200	multi combinations		R-32/675.0	
nemgerant	Charge			kg/TCO2Eg	only	0.05	/0.65	1.10/0.75
Piping connections		s OD		mm			/9.50	6.35/12.7
i iping connections	Piping	OU - IU	Max.	m			20	30
	length	System	Chargeless	m			0	10
		al refrigera					or piping length exceedin	
	Level difference			kg/m				· ·
Downer cure - l			Max.	m H=///			1 /50/220 240	20.0
Power supply		equency/\		Hz/V			1~/50/220-240	16
Current - 50Hz	iviaximur	n fuse amp	os (MFA) eparate drawing for e	A			13	16

See separate drawing for operation range | See separate drawing for electrical data | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases





## Discreet Siesta wall mounted unit providing high efficiency and comfort

- > Practically inaudible: the unit runs so quietly, you will almost forget it is there.
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- > The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Seasonal efficiency values up to A++ in cooling and heating
- > Space saving contemporary wall mounted design







ARXP-N9

More details and final information can be found by scanning or clicking the QR codes.

Efficiency data		ATXP	+ ARXP	20N9 + 20N9	25N9 + 25N9	35N9 + 35N9
Cooling capacity	Min./Nom./Max.		kW	1.3/2.00/2.6	1.3/2.50/3.0	1.3/3.50/4.0
Heating capacity	Min./Nom./Max.		kW	1.30/2.50/3.50	1.30/3.00/4.00	1.30/4.00/4.80
Power input	Cooling	Min./Nom./Max.	kW	0.31/0.50/0.72	0.31/0.66/0.72	0.29/1.01/1.30
	Heating	Min./Nom./Max.	kW	0.25/0.52/0.95	0.25/0.69/0.95	0.29/1.00/1.29
Space cooling	Energy efficiency	class			A**	
	Capacity	Pdesign	kW	2.00	2.50	3.50
	SEER				6.90	
	Annual energy cor	rsumption	kWh/a	101	127	178
Space heating	Energy efficiency	class			A**	
(Average climate)	Capacity	Pdesign	kW	2.20	2.40	2.80
	SCOP/A			4.64	4.60	4.62
	Annual energy cor	nsumption	kWh/a	663	730	847
Nominal efficiency	EER			3	3.71	3.24
·	COP			4.77	4.36	4.02
	Enorgy Jaholing Directi	va Cooling/Hosting			Λ /Λ	

	Energy labe	eling Directive	e Cooling/Heating		A/A							
Indoor unit				ATXP	20N9	25N9	35N9					
Dimensions	Unit	HeightxV	VidthxDepth	mm		286x770x225						
Weight	Unit			kg	89	50	9.00					
Air filter	Type					Removable / washable						
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	4.2/5.6/7.4/9.5	4.2/5.8/7.7/9.7	4.5/6.3/8.3/11.5					
		Heating	Silent operation/ Low/Medium/High	m³/min	5.2/6.2/8.1/10.4	5.2/6.4/8.1/10.4	5.3/7.0/9.0/11.5					
Sound power level	Cooling			dBA	5	5	58					
	Heating			dBA	5	5	58					
Sound pressure	Cooling	Silent op	eration/Low/High	dBA	19/25/39	19/26/40	20/27/43					
level	Heating	Silent op	eration/Low/High	dBA	21/28/39	21/28/40	21/29/40					
Control systems	Infrared r	remote cor	ntrol			ARC480A53						

Control systems	Infrared re	emote con	trol			ARC480A53	
Outdoor unit				ARXP	20N9	25N9	35N9
Dimensions	Unit	HeightxW	VidthxDepth	mm		556x740x343	
Weight	Unit			kg		26	
Sound power level	Cooling			dBA		60	62
Sound pressure	Cooling	High		dBA		46	48
level	Heating	High		dBA		47	48
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~48	
	Heating	Ambient	Min.~Max.	°CWB		-20~18	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq		0.55/0.37	0.70/0.48
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm		9.5	
	Piping length	OU - IU	Max.	m		15	
	Additiona	l refrigera	nt charge	kg/m		0.02 (for piping length exceeding 10	Dm)
	Level difference	IU - OU	Max.	m		12	
Power supply	Phase/Fre	quency/V	oltage	Hz/V		1~/50/220-240	
Current - 50Hz	Maximum	n fuse amp	s (MFA)	Α		16	

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for electrical data | See separate drawing for operation range | Contains fluorinated greenhouse gases





## Siesta wall mounted unit for low energy consumption and pleasant comfort

- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- REMARK: For 20-42 class, please order option package BRP069C47.
   A different remote controller is included in the package to control the unit once the option is installed.
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Quiet in operation down to 20 dBA
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



More details and final information can be found by scanning or clicking the QR codes.









ARXF-A

Efficiency data			ATXF	+ ARXF	20E + 20E	25E + 25E	35E + 35E	42E + 42E	50A + 50A	60A + 60A	71A + 71A
Cooling capacity	Min./Nor	n./Max.		kW	1.3/2.00/2.4	1.3/2.50/2.8	1.3/3.30/3.8	1.4/4.20/4.3	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/7.3
Heating capacity	Min./Nor	n./Max.		kW	1.30/2.40/3.30	1.30/2.80/3.70	1.30/3.50/4.40	1.40/4.60/5.00	1.70/6.00/7.70	1.70/6.40/8.00	2.30/8.20/9.0
Power input	Cooling		Min./Nom./Max.	kW	0.31/0.601/0.72	0.31/0.772/1.05	0.31/1.01/1.40	0.31/1.28/1.50	-/1.52/-	-/1.85/-	-/2.81/-
	Heating		Min./Nom./Max.	kW	0.25/0.640/0.95	0.25/0.751/1.11	0.25/0.940/1.50	0.25/1.24/1.40	-/1.62/-	-/1.64/-	-/2.63/-
Space cooling	Energy et	fficiency cl	ass				A*	•			A
	Capacity		Pdesign	kW	2.00	2.50	3.50	4.20	5.00	6.00	7.10
	SEER					6.40		6.45	6.18	6.12	5.12
	Annual e	nergy cons	sumption	kWh/a	109	137	191	228	283	343	486
Space heating	Energy et	fficiency cl	ass				A*				A
(Average climate)	Capacity		Pdesign	kW	2.20	2.40	2.60	3.30	4.60	4.80	6.20
	SCOP/A				4.16	4.	.10	4.25	4.	03	3.81
	Annual e	nergy cons	sumption	kWh/a	740	819	889	1,088	1,598	1,670	2,278
Indoor unit				ATXF	20E	25E	35E	42E	50A	60A	71A
Dimensions	Unit	HeightxV	VidthxDepth	mm		286x7	70x225			295x990x263	
Weight	Unit			kg	8.	00	8.50	9.00		13.5	
Air filter	Type						Rer	novable/washa	ble		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	4.3/6.0/8/9.8	4.3/6.2/8/10.0	4.4/6.4/8/11.5	4.9/6.9/9/12.6	10.5/11.9/14.4/16.8	10.7/12.2	/14.8/17.3
		Heating	Silent operation/ Low/Medium/High	m³/min	5.3/6.2/8.3/10.4	5.3/6.4/8.4/10.4	5.3/6.5/8.6/11.9	5.2/6.7/8.8/12.8	10.7/12.2/14.8/17.3	11.3/12.8	/15.8/17.9
Sound power level	Cooling			dBA	53.0	54	4.0	59.0	59	60	62
	Heating			dBA	55	5.0	56.0	59.0	61	6	2
Sound pressure	Cooling	Silent op	eration/Low/High	dBA	20.0/25.0/39.0	20.0/26.0/40.0	20.0/27.0/43.0	22.0/30.0/45.0	31/34/43	33/36/45	34/37/46
level	Heating	Silent op	eration/Low/High	dBA	21.0/28.0/39.0	21.0/28.0/40.0	21.0/29.0/40.0	22.0/28.0/44.0	30/33/42	32/35/44	33/36/45
Control systems	Infrared r	emote cor	ntrol					ARC470A1			
	Wired rer	note contr	ol					BRC073A1			
Piping connections	Drain							18			
Outdoor unit				ARXF	20E	25E	35E	42E	50A	60A	71A
Dimensions	Unit	HeightxV	VidthxDepth	mm		556x74	40x343			734x870x373	

Outdoor unit				ARXF	20E	25E	35E	42E	50A	60A	71A
Dimensions	Unit	Heightx\	WidthxDepth	mm		556x7	40x343			734x870x373	
Weight	Unit			kg		24.0		28.0	46.0	50	0.0
Sound power level	Cooling					60	6	51		-	
Sound pressure	Cooling	Low/Nor	n./High	dBA	-/-	-/46.0	-/-,	/48	-/47/-	-/49/-	-/52/-
level	Heating	Low/Nor	n./High	dBA	-/	-/47.0	-/-/4	48.0	-/4	9/-	-/52/-
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10	~48			-10~46	
	Heating	Ambient	Min.~Max.	°CWB				-15~18			
Refrigerant	Туре							R-32			
	GWP					67	75.0			675	
	Charge			kg/TCO2Eq	0.45	0/0.280	0.550/0.370	0.750/0.510	0.90/0.61	1.15	0.78
Piping connections	Liquid - Gas	Туре									
	Piping length	OU - IU	Max.	m			20			30	
	Piping ler	ngth						-			
	Level difference	IU - OU	Max.	m		1:	2.0			20	
Power supply	Phase/Fre	equency/V	oltage/	Hz/V				1~/50/220-240			
Current - 50Hz	Maximum	n fuse amp	os (MFA)	А			16			-	
Sound pressure leve	l Nom.			dBA				-			
Piping connections	Total pipi	ng length						-			

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases





#### Wall mounted unit, offering good value for money

- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet.
- > Seasonal efficiency values up to A++ in cooling
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency



More details and final information can be found by scanning or clicking the QR codes.





ARXC-D

Efficiency data		ATXC	+ ARXC	20D + 20D	25D + 25D	35D + 35D	50D + 50D	60D + 60D	71D + 71D
Cooling capacity	Min./Max.		kW	1.3/	/3.0	1.3/4.0	1.4/6.2	1.8/7.0	2.3/7.3
Heating capacity	Min./Max.		kW	1.30/	/4.00	1.30/4.80	1.36/6.60	1.48/8.00	2.30/9.00
Power input	Cooling	Min./Nom./Max.	kW	0.30/0.600/1.15	0.30/0.775/1.15	0.32/1.06/1.74	0.30/1.57/2.11	0.38/1.92/2.05	0.44/2.41/2.54
	Heating	Min./Nom./Max.	kW	0.28/0.670/1.35	0.28/0.755/1.35	0.28/1.08/1.57	0.27/1.52/1.85	0.33/1.73/2.35	0.50/2.49/2.74
Space cooling	Energy efficiency cl	ass				A**			Α
	Capacity	Pdesign	kW	2.08	2.57	3.44	5.08	6.21	6.96
	SEER			6.81	6.74	6.78	6.40	6.38	5.25
	Annual energy cons	sumption	kWh/a	107	134	177	278	341	464
Space heating	Energy efficiency cl	ass				A <sup>+</sup>			Α
(Average climate)	Capacity	Pdesign	kW	1.87	2.23	2.24	3.90	4.10	6.35
	SCOP/A			4.39	4.41	4.26	4.37	4.19	3.81
	Annual energy cons	sumption	kWh/a	597	708	737	1,249	1,371	2,332
Nominal efficiency	EER				3.33		3.	25	2.95
	СОР			3.73	3.76	3.72	3.71	3.71	3.21
	Energy labeling Directive	Cooling/Heating				A/A			C/C
Current - 50Hz	Maximum fuse amp	s (MFA)	Α			1	6		

Current 30112	Maximu	irruse amp	73 (1411 71)	Α,				10		
Indoor unit				ATXC	20D	25D	35D	50D	60D	71D
Dimensions	Unit	HeightxV	VidthxDepth	mm		288x	770x234		297x9	90x273
Weight	Unit			kg	9	.00	9	.50	13	3.0
Air filter	Type						Removable	e / washable		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	5.4/6.1	/8.1/10.8	5.4/6.4/8.7/11.1	7.4/8.1/9.9/12.5	10.2/12.5	/14.5/20.4
Sound power level	Cooling			dBA		57	58	60	6	53
Sound pressure leve	l Cooling	Silent op	eration/Low/High	dBA	21/2	26/40	22/26/41	30/33/47	31/3	8/48
Control systems	Infrared r	emote con	ntrol				ARC	486A2		
	Wired rer	note contr	ol					-		

Outdoor unit				ARXC	20D	25D	35D	50D	60D	71D	
Dimensions	Unit	Heightx\	WidthxDepth	mm	550x658x273			615x84	15x300	695x930x350	
Weight	Unit			kg	24	1.0	26.0	39.0		45.0	
Sound power level	Cooling			dBA	58		60	65	66	69	
Sound pressure leve	l Cooling	High		dBA	45 4		46	51		54	
Operation range	Cooling	Ambient	: Min.~Max.	°CDB	10 ~46 -10 ~46						
	Heating	Ambient	: Min.~Max.	°CWB	-15 ~18						
Refrigerant	Type				R-32						
	GWP						67:	5.0			
	Charge			kg/TCO2Eq	0.550	/0.371	0.750/0.506	1.00/0.675	1.10/0.743	1.15/0.776	
Piping connections	Liquid	OD		mm			6.	35			
	Gas	OD		mm		9.52			12.7		
	Piping	OU - IU	Max.	m		20			30		
	length	System	Chargeless	m			8	3			
	Addition	al refrigera	ant charge	kg/m		0	.01 (for piping leng	th exceeding 7.5	m)		
	Level difference	evel difference IU - OU Max.		m	15.0			20.0			
Power supply	Phase/Fr	equency/\	/oltage	Hz/V	1~/50/220-240						
Current - 50Hz	Maximur	n fuse amp	os (MFA)	Α							





## Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- > Up to 3 indoor units can be connected to 1 siesta multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Different types of wall mounted indoor units can be connected
- > Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



Indoor units		ATXM20R	ATXM25R	ATXM35R	ATXM50R
	2AMXM40M9	•	•	•	•
Outdoor units	2AMXM50M9	•	•	•	•
	3AMXM52N9	•	•	•	•

More details and final information can be found by scanning or clicking the QR codes.



2AMXM-M9



3AMXM-N

Indoor Unit		2AI	MXM/3AMXM	2AMXM40M9	2AMXM50M9	3AMXM52N9
Dimensions	Unit	HeightxWidthxDepth	mm	552x8	52x350	734x974x401
Weight	Unit		kg	36	41	57.0
Sound power level	Cooling	Nom.	dBA	6	0	-
	Heating	Nom.	dBA	6	2	-
	Cooling		dBA		-	59.0
	Heating		dBA		-	59.0
Sound pressure	Cooling	Nom./High	dBA	-/46	-/48	46.0/-
level	Heating	Nom./High	dBA	-/48	-/50	47.0/-
Operation range	Cooling	Ambient Min.~Max.	°CDB		-10~46	
	Heating	Ambient Min.~Max.	°CWB		-15~18	
Refrigerant	Type				R-32	
	GWP			6	75	675.0
	Charge		kg/TCO2Eq	0.88/0.60	1.15/0.78	1.80/1.22
Piping connections	Liquid	OD	mm	6	.4	6.35
	Gas	OD	mm	9	.5	9.50
	Piping	OU - IU Max.	m	20	(1)	25 (1)
	length	System Chargeless	m	2	0	30
	Addition	al refrigerant charge	kg/m	0.02 (for piping len	gth exceeding 20m)	0.02 (for piping length exceeding 30m)
	Level difference	e IU - OU Max.	m		15.0	
Power supply	Phase/Fre	equency/Voltage	Hz/V	1~/50/22	0-230-240	1~/50/220-240
Current - 50Hz	Maximur	n fuse amps (MFA)	Α	1	6	20





## Multi model application

- Seasonal efficiency values up to A+++ in cooling and A++ in heating thanks to its up-to-date technology and built-in intelligence
- > Up to 3 indoor units can be connected to 1 siesta multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time. They operate simultaneously within the same heating or cooling mode.
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Different types of wall mounted indoor units can be connected
- > Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency



Indoor units		ATXF25A	ATXF35A
	2AMXF40A	•	•
Outdoor units	2AMXF50A	•	•
	3AMXF52A9	•	•

More details and final information can be found by scanning or clicking the QR codes.



2AMXF-A



3AMXF-A

Indoor Unit			2AN	IXF/3AMXF	2AMXF40A	2AMXF50A	3AMXF52A
Dimensions	Unit	HeightxV	WidthxDepth	mm	550x7	65x285	734x958x340
Weight	Unit			kg	36	41	57.0
Sound power level	Cooling	Nom.		dBA	6	50	59
Sound pressure	Cooling	Nom./Hig	gh	dBA	-/46	-/48	46.0 /-
level	Heating	Nom./Hig	gh	dBA	-/48	-/50	47.0 /-
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10 ~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~18	
Refrigerant	Туре					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq	0.88/0.60	1.15/0.78	1.80/1.22
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm		9.50	
	Piping	OU - IU	Max.	m	20	0.0	25 (1)
	length	System	Chargeless	m	2	20	30
	Addition	al refrigera	nt charge	kg/m	0.02 (for piping len	gth exceeding 20m)	0.02 (for piping length exceeding 30m)
	Level difference	te IU - OU	Max.	m		15.0	
Power supply	Phase/Fr	equency/V	oltage/	Hz/V	1~/50/22	0-230-240	1~/50/220-240
Current - 50Hz	Maximur	n fuse amp	os (MFA)	Α	1	16	20

(1)For one room | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases





## Enjoy ultimate comfort inside, whatever the weather outside

## In extreme cold conditions, you just want reliable heating

#### When everything freezes, Nepura doesn't

Nepura is engineered to keep you warm, even in the coldest of winters.

With a guaranteed efficiency down to -30°C, the air-to-air heat pump is the perfect fit for Scandinavian environments.

This is reached thanks to:

- > full bottom plate: easier to lift and better drainage of defrosted water
- > drain pan heater: quick defrost and only activated when needed
- > NEW OPTION: drain hose heater: connectable to the dedicated terminal strip on the PCB of the outdoor unit

#### **NEW** Weather compensation

Nepura heat pump will automatically regulate itself when it gets colder outside, maintaining a continuous indoor temperature and keeping your place comfortably warm.

Activated at temperatures below 7°C, the function allows for 4 different levels of intensity compensation.

Available on Perfera wall mounted FTXTM.



Daikin Emura perfectly balances form and function. Its design speaks for itself. The unit pleases the eye and has a strong focus on comfort and user experience to improve your well-being at home







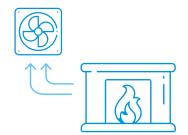


#### The fireplace scenario

Rooms with a fireplace or other heat source tend to be warmer.

As soon as your room reaches the desired temperature due to the secondary heat source, the fireplace logic function starts automatically. The indoor unit stops heating, but the fan keeps rotating to distribute the hot air across the room. The airflow rate depends on the difference between the set temperature and the room temperature.

Available on Daikin Emura, Stylish and Perfera wall mounted.



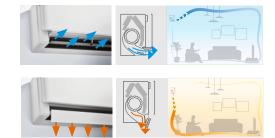
Measured temperature in the room  $\geq$  set temperature = Thermo off Fan auto adjust according to  $\Delta T$ 



#### The Coanda effect

The **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.

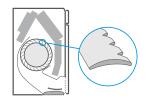
Available in heating and cooling for Daikin Emura and Stylish.





#### **Quiet operation**

Daikin Emura and Stylish use a **specially designed fan** to optimise airflow for higher energy efficiency at low sound levels. Sound dispersion and noise reduction are the results of a special fan design.





#### Intelligent thermal sensor

The intelligent thermal sensor detects a room's temperature. It distributes the air evenly throughout the room before switching to an air-flow pattern that directs warm and cool air to areas that need it.

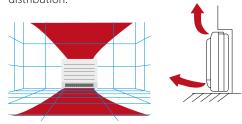
Available on Daikin Emura and Stylish.





#### **Dual Airflow**

Our floor standing FVXTM is ideal for heating comfort thanks to its dual airflow. Wide air flow coverage in both upward and downward directions allowing even air distribution.



During heating operating, your feet stay warm and the temperature through the room is evenly distributed. Maximum comfort will be ensured.

#### BLUEVOLUTION

Туре	Model	Product Name	25	30	35	40
NEW Wall mounted	Daikin Emura: Design that speaks for itself, even at ambient temperatures down to -30°C	FTXTJ-AW/B		(pair only)		
Wall mounted	Stylish: Where innovation meets creativity, even at ambient temperatures down to -30°C	FTXTA-CW/B		(pair only)		
Wall mounted	Perfera: Discreet, modern design for optimal efficiency and comfort thanks to 2- area motion detector sensor	FTXTM-S		(pair only)		(pair only)
Wall mounted	Comfora: Wall mounted unit, provid- ing high efficiency and comfort while reducing the environmental impact	FTXTP-N	(pair only)		(pair only)	
Floor Standing Unit	Design floor standing unit for optimal heating comfort thanks to unique heating features	FVXTM-A	*	(pair only)	*	

<sup>\*</sup> Space heating - average climate



## Design that speaks for itself, even at ambient temperatures down to -30°C

- > Guaranteed heating capacity at low ambient temperature, down to -30°C
- Remarkable blend of iconic design and engineering excellence with an elegant finish in matt crystal white
- > When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- > The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Onecta app: control your indoor from any location with an app, via your local network or internet.
- > Whisper quiet in operation: the operating of the unit can hardly be heard. The sound pressure level goes down to 19dBA!



More details and final information can be found by scanning or clicking the QR codes.







RXTJ-

Efficiency data		FTXTJ	+ RXTJ-A	30AW + 30A	30AB + 30A
	Min./Nom./l		kW	1.2/3.0/4.6	
	Min./Nom./I		kW	0.8/3.2/7.10	
	Cooling	Nom.	kW	0.62	
	Heating	Nom.	kW	0.64	
Space cooling	Energy effici	iency class		A***	
	Capacity	Pdesign	kW	3.00	
	SEER			8.75	
	Annual ener	gy consumption	kWh/a	120	
Space heating	Energy effici			A***	
	Capacity	Pdesign	kW	3.00	
	SCOP/A			5.17	
	Annual ener	gy consumption	kWh/a	812	
	Energy effici		,	A <sup>+</sup>	
	Capacity	Pdesignh	kW	4.38	
,		gy consumption	kWh/a	2,248	
	SCOP/C	J		4.09	
Nominal efficiency				4.89	
	COP			5.01	
		gy consumption	kWh	310	
		Directive Cooling/Heating		A/A	
		use amps (MFA)	Α	16	
					20AD
ndoor unit			FTXTJ	30AW	30AB
		eightxWidthxDepth	mm	305x900x2	12
	Unit		kg	12	1.11
	Type	Cilor Cilor	37•	Removable / wa	
	rate	ooling Silent operation/ Low/Medium/Hig	gh	4.9/5.9/8.8/1	
	Н	eating Silent operation/ Low/Medium/Hig		4.5/6.5/7.8/1	2.3
Sound power level	Cooling		dBA	60.0	
	Heating		dBA	60.0	
Sound pressure	Cooling Si	ilent operation/Low/High	dBA	20.0/25.0/43	3.0
evel	Heating Si	ilent operation/Low/High	dBA	19.0/24.0/41	1.0
Control systems	Infrared rem	iote control		ARC488A4W	ARC488A4K
·	Wired remo	te control		BRC073A1	I
Outdoor unit			RXTJ-A	30A	
	Unit H	eightxWidthxDepth	mm	605x930x3	76
	Unit	cignicavilutiixDeptil	kg	42	,,,
Sound power level			dBA	- 42	
Sound power level		om.	dBA	48.0	
		om.	dBA	48.0	
		om. mbient Min.~Max.	°CDB	-10~46	
		mbient Min.~Max.	°CWB	-10~46	
	Type	morent wiii.~Ividx.	CVVD	R-32	
	GWP			675.0	
	Charge		kg/TCO2Eg	0.97/0.66	
Piping connections		D	kg/1CO2Eq mm	6.35	
- iping connections			mm	9.50	
	_			9.50	
. 3	Gas O				
	Gas O Piping length O	U - IU Max.	m	20	
	Gas O Piping length O Additional re	U - IU Max. efrigerant charge	m kg/m	20 0.02 (for piping length e	exceeding 10m)
	Gas O Piping length O Additional re Level difference IL	U - IU Max. efrigerant charge	m	20	<u> </u>

Contains fluorinated greenhouse gases | See separate drawing for operation range | See separate drawing for electrical data | Cooling: indoor temp.  $27^{\circ}$ CDB,  $19^{\circ}$ CWB; outdoor temp.  $35^{\circ}$ CDB,  $24^{\circ}$ CWB; equivalent piping length: 5m | Heating: indoor temp.  $20^{\circ}$ CDB; outdoor temp.  $7^{\circ}$ CDB,  $6^{\circ}$ CWB; equivalent refrigerant piping: 5m

## stylish

#### Wall mounted unit

## Where innovation meets creativity, even at ambient temperatures down to -30°C

- > Guaranteed heating capacity at low ambient temperature, down to -30°C
- > When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- > A compact and functional design suitable for all interiors in a matt crystal white finish
- > A compact and functional design suitable for all interiors in a matt black finish
- > The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- > The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it
- Onecta app: control your indoor from any location with an app, via your local network or internet.
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Seasonal efficiency values up to A+++ in cooling and heating
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- > Practically inaudible: the unit runs so quietly, you will almost forget it is there.



 Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)







RXTA-

Efficiency data		FTXT	A + RXTA	30CW + 30C 30CB + 30C
Cooling capacity	Min./Nom./Max.		kW	1.2/3.0/4.6
Heating capacity	Min./Nom./Max.		kW	0.8/3.2/7.10
Power input	Cooling	Nom.	kW	0.62
	Heating	Nom.	kW	0.64
Space cooling	<b>Energy efficiency</b>			A***
	Capacity	Pdesign	kW	3.00
	SEER			8.75
	Annual energy co	nsumption	kWh/a	120
Space heating	Energy efficiency	class		A***
(Average climate)	Capacity	Pdesign	kW	3.00
	SCOP/A			5.17
	Annual energy co	nsumption	kWh/a	812
Space heating	Energy efficiency	class		A*
Cold climate)	Capacity	Pdesignh	kW	4.38
	Annual energy co	nsumption	kWh/a	2,248
	SCOP/C			4.09
Nominal efficiency	EER			4.89
•	COP			5.01
	Annual energy co	nsumption	kWh	310
	<b>Energy labeling Direct</b>	tive Cooling/Heating		A/A
Current - 50Hz	Maximum fuse ar	mps (MFA)	Α	16
ndoor unit		CTVT	A/FTXTA	30CW 30CB
Dimensions	Unit Height	xWidthxDepth	mm	295x798x189
Weight	Unit	xwidthxbepth		12
Air filter	Type		kg	Removable / washable
Fan	Air flow Coolin	g Silentoperation/	m³/min	4.9/6.0/9.0/13.1
raii	rate	Low/Medium/Hig		4.9/0.0/9.0/13.1
	Heatin		m³/min	5.0/5.8/8.2/12.3
	ricatiii	Low/Medium/Hig		5.0/ 5.0/ 0.2/ 12.5
Sound power level	Cooling	LOW/Wicalam/mg	dBA	60.0
bound power lever	Heating		dBA	60.0
Sound pressure		operation/Low/High	dBA	20.0/25.0/43.0
evel		operation/Low/High	dBA	19.0/24.0/41.0
Control systems	Infrared remote of		UDA	ARC466A84
control systems	Wired remote co			BRC073A4
	Wilcu Telliote col	101		
Outdoor unit			RXTA	30C
Dimensions		xWidthxDepth	mm	605x930x376
Neight	Unit		kg	42
Sound power level			dBA	-
Sound pressure	Cooling Nom.		dBA	48.0
evel	Heating Nom.		dBA	49.0
Operation range		nt Min.~Max.	°CDB	-10~46
	Heating Ambie	nt Min.~Max.	°CWB	-31~18
Refrigerant	Type			R-32
				675.0
	GWP			0.97/0.66
	GWP Charge		kg/TCO2Eq	
Piping connections	GWP Charge Liquid OD		kg/TCO2Eq mm	6.35
Piping connections	GWP Charge			6.35 9.50
Piping connections	GWP Charge Liquid OD	l Max.	mm	
Piping connections	Charge SLiquid OD Gas OD		mm mm	9.50
Piping connections	GWP Charge Liquid OD Gas OD Piping length OU - IU	erant charge	mm mm m	9.50 20
Piping connections  Power supply	GWP Charge Liquid OD Gas OD Piping length OU - IU Additional refrige	erant charge J Max.	mm mm m kg/m	9.50 20 0.02 (for piping length exceeding 10m)

Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | See separate drawing for electrical data | Contains fluorinated greenhouse gases | See separate drawing for operation range

## perfero

#### Wall mounted unit

## Attractive, wall mounted design with perfect indoor air quality down to -30°C

- > Guaranteed heating capacity at low ambient temperature, down to -30°C
- With weather compensation, heating reacts to colder outside temperatures maintaining a comfortable indoor climate with no drop-off while optimising energy use
- > Seasonal efficiency values up to A+++ in cooling and heating
- > When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- > Onecta app: control your indoor from any location with an app, via your local network or internet.
- Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Quiet operation: down to 19dBA sound pressure level
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design



> 2 area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting.

More details and final information can be found by scanning or clicking the QR codes.





Efficiency data FTXTM + RXTM 30S + 30A 40S + 40A Cooling capacity Min./Nom./Max. kW 1.2/3.0/4.6 1.2/4.0/5.2 0.9/4.0/8.80 Heating capacity Min./Nom./Max kW 0.8/3.2/7.40 Power input Cooling Nom. kW 0.59 0.85 0.62 Heating kW 0.73 Nom. Energy efficiency class Space cooling Capacity Pdesign kW 3.00 4.00 SEER 8.65 8.93 kWh/a Annual energy consumption 121 157 Space heating Energy efficiency class (Áverage climate) kW 3.00 3.80 **Pdesign** Capacity SCOP/A Annual energy consumption kWh/a 807 967 Space heating Energy efficiency class kW Pdesianh 4.38 5.55 (Cold climate) Capacity Annual energy consumption kWh/a 2.222 2.640 SCOP/C 4.14 4.42 Nominal efficiency 5.13 4.71 COP 5.51 5.20 kWh Annual energy consumption 295 425 Energy labeling Directive Cooling/Heating A/A Current - 50Hz Maximum fuse amps (MFA)

Indoor unit			FTXTM	30S	40S			
Dimensions	Unit	HeightxWidthxDepth	mm	295x778x272	299x998x292			
Weight	Unit		kg	10	15			
Air filter	Type			Removable	/ washable			
Fan	Air flow	Cooling Silentoperation/Low/Medium	High m³/min	4.2/5.2/7.5/11.5	4.8/5.6/9.2/15.1			
	rate	Heating Silentoperation/Low/Medium	High m³/min	4.0/4.7/7.3/11.6	5.1/6.0/10.0/17.0			
Sound power level	Cooling		dBA	60	0.0			
	Heating		dBA	60	0.0			
Sound pressure	Cooling	Silent operation/Low/High	n dBA	21.0/25.0/45.0	20.0/24.0/46.0			
level	Heating	Silent operation/Low/High	n dBA	19.0/22.0/45.0	19.0/22.0/46.0			
Control systems	Infrared i	remote control		ARC466A83				
-	VAC			DDC07241				

Wired remote control					BRC073A1				
Outdoor unit				RXTM	30A	40A			
Dimensions	Unit	HeightxV	VidthxDepth	mm	605x9	30x376			
Weight	Unit			kg	4	12			
Sound power level	Cooling			dBA		-			
Sound pressure	Cooling	Nom.		dBA	48	8.0			
level	Heating	Nom.		dBA	49	9.0			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10-	~46			
	Heating	Ambient	Min.~Max.	°CWB	-31	~18			
Refrigerant	Type				R-	-32			
	GWP				67	5.0			
	Charge			kg/TCO2Eq	0.9	97/-			
Piping connections	Liquid	OD		mm	6.	.35			
	Gas	OD		mm	9.	50			
	Piping length		Max.	m		20			
		al refrigera	nt charge	kg/m	0.02 (for piping len	gth exceeding 10m)			
	Level difference	e IU - OU	Max.	m	15	5.0			
Power supply		equency/V		Hz/V	1~/50/2	220-240			
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α	16				

Cooling: indoor temp.  $2^{\circ}$ CDB,  $19^{\circ}$ CWB; outdoor temp.  $3^{\circ}$ CDB,  $24^{\circ}$ CWB; equivalent piping length: 5m | Heating: indoor temp.  $20^{\circ}$ CDB; outdoor temp.  $7^{\circ}$ CDB,  $6^{\circ}$ CWB; equivalent refrigerant piping: 5m | See separate drawing for electrical data | Contains fluorinated greenhouse gases | See separate drawing for operation range

#### Wall mounted unit providing high efficiency and comfort down to -30°C

- > Guaranteed heating capacity at low ambient temperature, down
- > The unit's compact dimensions makes it ideal for renovation projects, especially for above door installation
- > Seasonal efficiency values: full range A++ in cooling and heating
- > 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces
- > Onecta app: control your indoor from any location with an app, via your local network or internet.
- > Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc
- > Space saving contemporary wall mounted design



More details and final information can be found by scanning or clicking the QR codes.





Efficiency data		FTXTP + RXTP	25N + 25A	35N + 35A					
Cooling capacity	Min./Nom./Max.	kW		1.0/3.5/4.5					
Heating capacity	Min./Nom./Max.	kW		1.0/4.0/6.70					
Power input	Cooling	Nom. kW		0.79					
	Heating	Nom. kW		0.88					
Space cooling	Energy efficiency of			A***					
	Capacity	Pdesign kW	2.50	3.50					
	SEER		8.55	8.51					
	Annual energy cor			144					
Space heating	Energy efficiency of			A**					
(Average climate)	Capacity	Pdesign kW	2.50	3.00					
	SCOP/A		4.95	4.85					
	Annual energy cor		707	866					
Space heating	Energy efficiency of			A					
(Cold climate)	Capacity	Pdesignh kW	3.65	4.38					
	Annual energy cor	nsumption kWh/a	1,937	2,426					
	SCOP/C		3.96	3.79					
Nominal efficiency			4.88	4.45					
	COP		4.95	4.55					
	Annual energy cor	sumption kWh	260	395					
		ve Cooling/Heating		A/A					
Current - 50Hz	Maximum fuse am	ps (MFA) A		16					
Indoor unit		FTXTP	25N	35N					
Dimensions	Unit Heightx	WidthxDepth mm	286	x770x225					
Weight	Unit	kg		9					
Air filter	Type			Removable / washable					
Fan	Air flow Cooling	Silentoperation/ m³/min	3.7/5	3.7/5.0/7.9/11.0					
	rate	Low/Medium/High							
	Heating	Silentoperation/ m³/min Low/Medium/High	4.4/5.	.5/9.0/10.5					
Sound power level	Cooling	dBA		58.0					
	Heating	dBA		58.0					
Sound pressure	Cooling Silent or	oeration/Low/High dBA	21.0/26.0/43.0						
level	Heating Silent of	oeration/Low/High dBA	21.0/	26.0/43.0					
Control systems	Infrared remote co	ntrol	ARC	C480A53					
	Wired remote cont	rol	BR	C073A1					
Outdoor unit		RXTP	25A	35A					
Dimensions	Unit Heightx	WidthxDepth mm		x930x376					
Weight	Unit	kg		42					
Sound power level		dBA		-					
Sound pressure	Cooling Nom.	dBA		48.0					
level	Heating Nom.	dBA		49.0					
Operation range		t Min.~Max. °CDB	-10~46						
ope.udom unge		t Min.~Max. °CWB		31~18					
Refrigerant	Type	CWD	R-32						
gerune	GWP		675.0						
	Charge	kg/TCO2Ec		97/0.66					
Piping connections		mm		6.35					
i iping connections	Gas OD	mm	9.50						
	Piping length OU - IU	Max. m	20						
	Additional refriger		0.02 (for piping length exceeding 10m)						
	Level difference IU - OU								
Power supply	Phase/Frequency/			15.0 0/220-240					
	i ilase/rieduency/	vortage HZ/V	1~/50	J/					
Current - 50Hz	Maximum fuse am	ps (MFA) A		16					

separate drawing for electrical data | Contains fluorinated greenhouse gases | See separate drawing for operation range

## Floor standing unit

## Design floor standing unit for optimal heating comfort down to -30°C thanks to unique heating features

- > Guaranteed heating capacity at low ambient temperature, down to -30  $^{\circ}\mathrm{C}$
- > Seasonal efficiency values: full range A++ in cooling and heating
- > Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- > The floor warming function optimises convection by distributing hot air from the bottom of the unit
- > The heat plus function provides 30 minutes cosy heating by simulating radiant heat
- Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air
- > Excellent contemporary design
- > Dual air discharge flow for better air distribution
- > Onecta app: control your indoor from any location with an app, via your local network or internet.
- > Quiet operation: down to 19dBA sound pressure level



More details and final information can be found by scanning or clicking the QR codes.

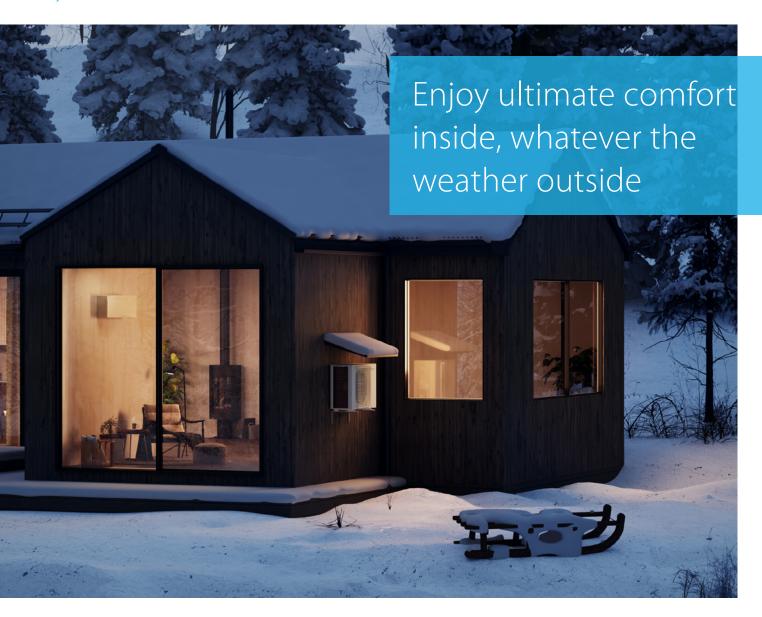


RXTM-A

Efficiency data		FVXTM-A+	RXTM	30A + 30A
Cooling capacity	Min./Nom./Max.		kW	1.2/3.0/4.4
Heating capacity	Min./Nom./Max.		kW	1.2/3.2/6.20
Power input	Cooling	Nom.	kW	0.69
•	Heating	Nom.	kW	0.72
Space cooling	Energy efficiency	class		A"
	Capacity	Pdesign	kW	3.00
	SEER			7.50
	Annual energy cor	nsumntion	kWh/a	140
Space heating	Energy efficiency		KVVII/ U	A**
	Capacity	Pdesign	kW	3.00
Average climate)	SCOP/A	ruesigii	KVV	4.75
			1-14/1- /-	
	Annual energy cor		kWh/a	884
	Energy efficiency			A*-
(Cold climate)	Capacity	Pdesignh	kW	4.38
	Annual energy cor	nsumption	kWh/a	2,483
	SCOP/C			3.70
Nominal efficiency				4.35
	COP			4.45
	Annual energy cor	nsumption	kWh	345
	Energy labeling Direct	ive Cooling/Heating		A/A
Current - 50Hz	Maximum fuse am	nps (MFA)	Α	16
Indoor unit		FIA	VT14 A	30A
	11.2. 11.2.1.1		XTM-A	
Dimensions		xWidthxDepth	mm	600x750x238
	Unit		kg	
Air filter	Туре		3	Removable / washable
Fan	Air flow Cooling rate	Low/Medium/High	m³/min	4.0/4.8/6.7/9.0
	Heating	g Silentoperation/ n Low/Medium/High	m³/min	4.0/5.3/6.8/9.4
Sound power level	Cooling		dBA	53.0
	Heating		dBA	53.0
Sound pressure		peration/Low/High	dBA	20.0/25.0/39.0
level		peration/Low/High	dBA	19.0/25.0/39.0
	Infrared remote co		ub/ t	ARC466A66
	Wired remote con			BRC073A1
	Wiled Telliote con			
Outdoor unit			RXTM	30A
Dimensions	Unit Height	xWidthxDepth	mm	605x930x376
Neight	Unit		kg	42
Sound power level	Cooling		dBA	
Sound pressure	Cooling Nom.		dBA	48.0
evel	Heating Nom.		dBA	49.0
Operation range		nt Min.~Max.	°CDB	-10~46
		nt Min.~Max.	°CWB	-31~18
Refrigerant	Type	it iviiii, iviuA.	CAAD	R-32
Cingerant	GWP			675.0
		1	ra/TCO2F=	0.97/0.66
Nata	Charge	KC	g/TCO2Eq	
Piping connections			mm	6.35
	Gas OD		mm	9.50
	Piping length OU - IU		m	20
			kg/m	0.02 (for piping length exceeding 10m)
	Additional refriger		Kg/III	0.02 (for piping length exceeding form)
	Additional refriger Level difference IU - OU		m m	15.0
		Max.		

Cooling: Indoor temp. 27 CDB, 19 CWB; outdoor temp. 35 CDB, 24 CWB; equivalent piping length: 5m | Heating: Indoor temp. 20 CDB; outdoor temp. 7 CDB, 6 CWB; equivalent refrigerant piping: 5m | See separate drawing for operation range





In extreme cold conditions, you just want reliable heating When temperatures drop well below zero, you need a heating solution you can rely on to keep your living comfort high. Daikin won't leave you out in the cold.

Nepura is engineered to keep you warm in the coldest of winters, down to -30°C. With Nepura, you can count on year-round comfort, more energy efficiency and ultimate reliability and control. So, bring on the winter season.

## The Nepura range consists of different Daikin indoor units:





Perfera - wall mounted



Comfora



Perfera - floor standing





	INDOORUNITS	FTXZ-N	C/FTXA- CW/B/S	FTXJ- AW/S/B	C/FTXM-A	FTXP-N9	FTXF-D	FTXF-E	FTXC-D
ltrol	-				G:	<u> </u>			
Online control system	Onecta app WIFI adapter for smart phone	BRP069B42	Standardly included	Standardly included	Standardly included	Standardly included	BRP069B45	BRP069C47	BRP069B45
HomeHub	EKRHH PV self-consumption for Multi+ domestic hot water tank								
	BRC1E53A/B/C (3)(4)(5) / BRC1H51(9)W/S/K / BRC1H81W/S Premium wired remote control with full-text interface and back- light								
ems	BRC073A1 (9) Wired remote control (cord for wired remote control required)		•	•	•	•	•	•	
Individual control systems	BRC2E52C Simplified remote control (with operation mode selector button) BRC3E52C								
dualo	Remote control for hotel use BRC4C65								
Indivi	Infrared remote control BRCW901A03								
	Extension cord for wired remote control (3m)		•	•	•	•	•	•	
	BRCW901A08 Extension cord for wired remote control (8m)		•	•	•	•	•	•	
ems	DCC601A51 Centralised controller with cloud connection by using the adapter KRP928*	•	•	•	•	•	•	•	
Centralised control systems	DCS302CA51** Central remote control	•	•	•	•	•	•	•	
contro	DCS301BA51** Unified ON/OFF control	•	•	•	•	•	•	•	
lised	DCS303A51 Residential central remote control								
entra	DST301BA51** Schedule timer	•	•	•		•	•	•	
U	DCM601A51** Intelligent Touch Manager	•	•	•	•	•	•	•	
ement dard face	EKMBDXA7V1** Modbus interface	•	•	•	•	•	•	•	
	RTD-RA (9)** Modbus gateway	•	•	•	•	•	•	•	
System Protoc	KLIC-DD (9)** KNX Interface	•	•	•	•	•	•	•	
	BRP7A54 (7)(8)								
	Adapter PCB for interlock (key card,)  KRP1B56  Adapter for wiring								
	KRP413AB1S** Adapter for wiring normal open contact/normal open pulse contact (time clock and other devices to be purchased locally)	•	•	•	•	•		•	
	KRP4A54 Adapter for external ON/OFF and monitoring for electrical appendices								
ers	KRP2A53 Wiring adapter for electrical appendices								
Adapters	Installation box for adapter PCBs (when there is no space in the switchbox)								
*	KRP067A41 Interface adapter for wired remote control							•*	
	KRP928BB2S**	•	•	•	•	•	•	•	
	Interface adapter for DIII-net DTA114A61								
	Multi tenant KRCS01-4								
	External wired temperature sensor  KJB212AA/KJB311A								
	Electrical box with earth terminal (2 blocks / 3 blocks)  KAF046A41  Honeycomb deodorising and air purifying filter with frame	•							
ā	KAF968A42 Honeycomb deodorising and air purifying filter with frame	•							
Filters	KEK26-1A Noise filter (for electromagnetic use only)								
	BAE20A62/102 Auto-cleaning filter (small/large)								
	Anti-theft protection for remote control	KKF936A4	FILES	FILDCE	FILDCE	KKF936A4	KKF936A4	WDD2477	
ers	Wire harness to connect to S21 connector KDT25N32/50/63		EKRS21	EKRS21	EKRS21	KRP067A41		KRP067A41	
Others	Insulation kit for high humidity								
	DHH25A Drain hose heater								

<sup>(</sup>I) Can be used only in combination with KBP980A1
(2) WLAN installation kit include interface adapter PCB
(3) BRCETSAT: included languages: English, German, French, Italian, Spanish, Dutch, Greek, Russian, Turkish, Portuguese, Polish
(4) BRCETS3E: included languages: English, German, Czech, Hungarian, Romanian, Slovenian, Bulgarian, Slovak, Serbian, Albanian
(5) BRCETSSC: included languages
(6) Installation box for adapter PCB is necessary. Hour meter is field supply and should not be installed inside the equipment.

<sup>(7)</sup> Installation box for adapter PCB is necessary. They require mounting plate KRP4A96, maximally 2 optional PCBs can be mounted.
(8) Only in combination with simplified remote control BRCZES2C or BRC3ES2C.
(9) Wiring adapter supplied by Daikin. Time clock and other devices: to be purchased locally.
(10) Standard there is no remote control delivered with this indoor unit. Wired or infrared control to be ordered separately.
(11) Standard delivered with the unit.

R-32 and R-410A	R-32	Siesta R-32						Domestic hot water tanks				
FDXM-F9	C/FVXM-A9	ATXM-A	ATXP-N9	ATXF-A	ATXF-E	ATXC-D	FTXTJ- AW/B	FTXTA- CW/B	FTXTM-S	FTXTP-N	FVXTM-A	EHWET- BV3
BRP069A81	Standardly included	Standardly included	Standardly included	BRP069B45	BRP069C47	BRP069B45	Standardly included	Standardly included	Standardly included	Standardly included	Standardly included	Standardly included
												•
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•												
•(10)												
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KRP1BA101												
				•*	*							
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•												
•												
•												
•			KKF936A4	KKF936A4						KKF936A4		
	EKRS21	EKRS21	233/17	250/(7	KRP067A41			EKRS21	EKRS21	250/(1	EKRS21	
•												
							•	•	•	•	•	

<sup>\*</sup> This option features an S21. connector. EKRP067A41 is only an S21. PCB.

\*\* This indoor unit requires one conversion wire harness (EKRS21 or KRP067A41) to connect current option which use S21 connector. Wireless Lan as standard of unit is not able to operate with option. When user needs to use option, please turn off function of Wireless Lan.

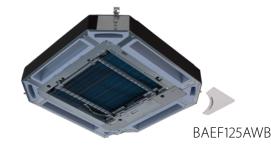




## Breathe healthy air with the round flow

## **UV Streamer kit**

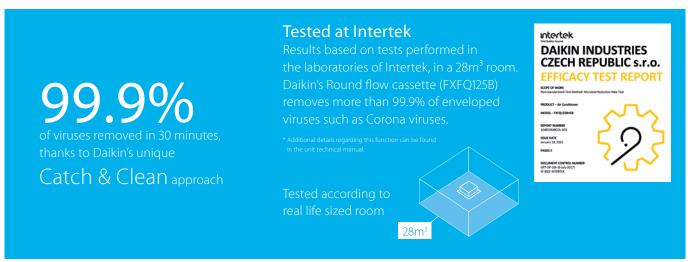
90% of our time is spent indoors. However indoor air is 2 to 5 times more polluted than outdoor air.



These internal pollution effects on people are manifested in the long run. Tackle them now! Our UV streamer kit offers you the solution:

- > It purifies the air of pollutants such as viruses, bacteria, fine dust (PM1), odours, allergens, etc ensuring a healthy and hygenic indoor environment
- > Unique catch & clean approach includes an ISO ePM1 60% (F7) filter, UV-C light and Streamer technology
- > Thanks to large air flow rate of the Round flow cassette, clean air can be quickly delivered to every corner of your space
- > Can be retrofitted into existing installations
- > Can be used with BYCQ140E and BYCQ140EW decoration panels





# Sky Air the solution for the light commercial sector

Sky Air is Daikin's industry-leading light commercial range, which has been designed for optimum seasonal energy efficiency. Providing the ideal solution for all kinds of small commercial spaces, the Sky Air series offers a complete comfort solution that puts you in total control of your heating and cooling, ventilation and air curtains.

## Sky Air Light commercial applications

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Wall mounted units

425



# Low height. High value.



V

Unique, low-height single fan range



V

Compact unit, easy to transport



V

Market-leading serviceability and handling



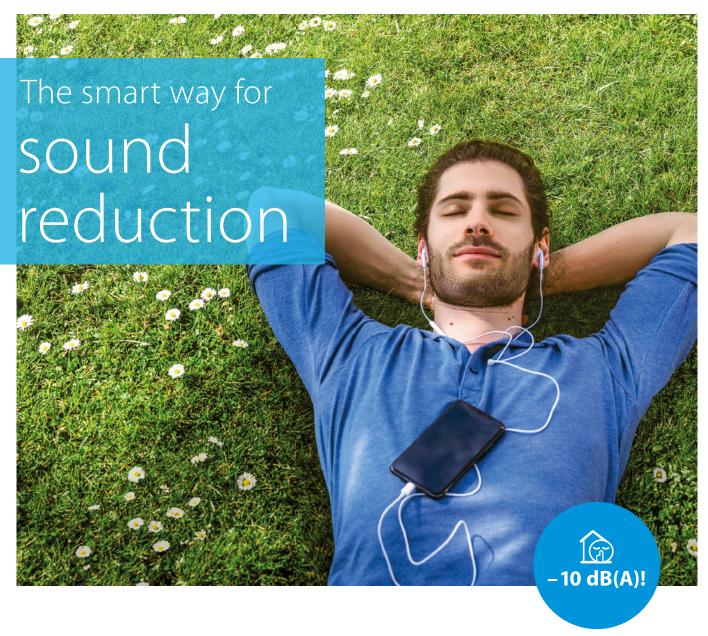
Fast and easy access to all critical component

- > Single screw access
- > Wider access area



Newly positioned handle for easier carrying





## Daikin dedicated solution for sound reduction

Meet strict sound requirements, while increasing flexiblity to apply Sky Air and VRV heat pumps thanks to sound power reduction of up to 10 dB(A).

- > **Guaranteed high performance:** optimised design to keep the capacity and air flow as close as possible to the standard conditions
- > Faster and reliable planning: no calculations or estimations necessary thanks to tested data according to ISO 3744
- > Perfect fit: specially designed for Sky Air and VRV heat pumps
- > Maximum flexibility: can be installed and retrofitted on any plain surface
- > Easy access: simple and fast installation and maintenance through large side panels with fast locks
- > **Designed to be discreet:** tailor-made low height design; highly aesthetic finishing and smooth surface in anthracite colour-tone





# reasons why Sky Air is unique in the market

1 Full Sky Air R-32 range delivering future-proofed, best-in-class climate control Sky Air A-series











System	Туре	Model	Product name	35	50	60	71	100	125	140	200	250
		- Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	D74C 4	3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW	21.5 kW	23.6 kW
Air cooled	Heat pump	- Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	MV(1)/ MY				0	0	0	0	0	0
		- Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-R AZAS-					0	0	0		

## Full indoor line up (over 45 different models)



## High energy efficiency

- > Top seasonal efficiency
  - > SEER up to 8.02 and A++ label in cooling and heating
  - > Variable Refrigerant Temperature that automatically adapts the refrigerant temperature to the load
- > Round flow and concealed ceiling units with auto cleaning filter



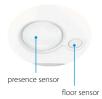


## Best comfort

- > Variable Refrigerant Temperature preventing cold draughts
- > Low sound indoor and outdoor units
- > Presence and floor sensors direct the air flow away from persons, while ensuring an even temperature distribution
- > Operation down to -20°C in heating and cooling

- **NEW** > **UV Streamer kit**, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1), odours, allergens, etc
  - > Fresh air intake integrated in indoor unit







## Top reliability

- > For infrastructure cooling
  - > unique boosted capacity indoor unit systems
  - > duty rotation control
- > Refrigerant cooled PCB
- > New refrigerant passes keeping heat exchanger and drain holes completely open at all times
- > Most extensive testing before new units leave the factory
- > Widest support network and after sales service
- > All spare parts available in Europe





bottom plate refrigerant pass

## Market leading controls

- > Remote connectivity
  - > Intuitive app control
  - > Daikin Cloud Plus offering online control, energy monitoring and comparison of multiple sites
- > User-friendly wired remote controller with premium design
  - > Intuitive touch button control
  - > 3 color versions
  - > Advanced settings can be easily done via your smartphone
- > Dedicated control solutions
  - > for retail applications
  - > for infrastructure cooling









## Superior aesthetics

- > Fully flat cassette design unit that integrates fully flat into the ceiling
- > Auto cleaning units ensure dirt-free ceilings with high efficiency filters for regular and dust prone areas
- > Widest ever range cassette panels
  - > Available in white and black
  - > Sleek **designer panel** range





## Unique installation benefits

- > 4-way blow ceiling suspended cassette (FUA) for rooms without false ceiling.
- > Plug & play Daikin air handling unit with ERQ condensing
- > Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
- > Dedicated low sound enclosure, reducing sound power up
- > Use up to 4 indoor units linked to one outdoor unit for long or irregularly shaped rooms









## Daikin Cloud Plus





Daikin Cloud Plus is a cloud-based remote control and monitoring solution for Daikin commercial HVAC installations. Using enhanced control, monitoring and predictive logic, Daikin Cloud Plus provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

# The ultimate control over your indoor climate and air quality

- > Save energy & reduce costs
- > Enhance comfort & satisfaction
- > Smart control from anywhere
- > Ensure healthy indoor environment
- Maximize uptime (remote prediction, monitor & diagnose)
- > Integrates easily with building systems

# Supporting your business and helping you succeed

- > Maximize comfort and satisfaction of your staff, customers, tenants
- > Save energy & reduce costs
- > Facilitate your sustainability goals
- > Cost effective control and energy monitoring of HVAC and other facility systems such as lighting
- > Limits the necessity for on-site interventions
- > Minimizes downtime and engineer call outs

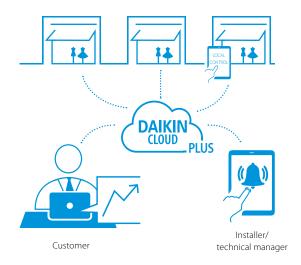
## Dashboard to easily access multiple locations, energy consumption follow up, ...



More details on page 944



#### From one to ∞ sites









## Infrastructure cooling

- > For rooms and enclosures that require round-the-clock cooling
- > Where continuous uptime is the absolute requirement for server data protection



Between 20-40% sensible capacity increase

#### **RELIABLE**

Guaranteed system operation:

- Oversized indoor units boost cooling capacity and prevent freeze-ups on the indoor side
- Wide operating range envelope: operation range in cooling down to -20°C and up to +52°C

#### **EFFICIENT**

Optimum return on investment:

- Lowers running costs by using highly efficient direct expansion cooling systems
- > Lower running costs compared to other DX systems and water based chillers.
- Reduces mechanical cooling and energy consumption with the free cooling option for single phase systems

#### **FLEXIBLE**

- > Scalable in capacity
- Improved infrastructure control and management
- Lower physical footprint since no floor space is occupied
- Wide range of indoor units to suit application preferences (ceiling suspended cassettes, wall mounted indoors, concealed ceiling ducted type indoors)

## Duty rotation application example



## Product overview **SkyAir**

Туре	Model	Product name		PG	
	UNIQUE High COP, Round flow cassette	FCAHG-H		405	360° air discharge for the highest efficiency and comfort  - High COP cassette ensures top performance for commercial applications  - Auto cleaning function ensures high efficiency  - Intelligent sensors save energy and maximize comfort  - Flexibility to suit every room layout  - Widest choice ever in decoration panel designs and colors
Ceiling mounted cassette	UNIQUE Round flow cassette	FCAG-B		406	360° air discharge for the highest efficiency and comfort - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Lowest installation height in the market - Widest choice ever in decoration panel designs and colors
	UNIQUE Fully flat cassette	FFA-A9		410	Unique design in the market that integrates fully flat into the ceiling  - Perfect integration in standard architectural ceiling tiles  - Blend of iconic design and engineering excellence with a white or silver and white finish  - Intelligent sensors save energy and maximize comfort  - Flexibility to suit every room layout without changing the location of the unit!  - Quietest 600 x 600 cassette on the market
	Slim concealed ceiling unit Auto cleaning option Multi zoning option	FDXM-F9	S. S.	416	Slim design for flexible installation - Compact dimensions enable installation in narrow ceiling voids - Medium external static pressure up to 40Pa - Small capacity unit developed for small of well insulated rooms - Auto cleaning function ensures high efficiency and reliability
	Concealed ceiling unit with medium ESP Multi zoning option	FBA-A(9)		418	Slimmest yet most powerfull medium static pressure unit on the market!  - Slimmest unit in class, only 245mm  - Low operating sound level  - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths  - Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort
Concealed ceiling		EDA A	FDA125A	422	ESP up to 200Pa, ideal for large sized buildings - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume - Flexible installation as the air suction direction can be altered from rear to bottom suction
	Concealed ceiling unit with high ESP	FDA-A	FDA200-250A	423	ESP up to 250Pa, Ideal for extra large sized spaces  - Discretely concealed in the ceiling: only the grilles are visible  - Possibility to change ESP via wired remote control allows optimisation of the supply air volume
	Concealed ceiling unit  Multi zoning option	ADEA-A		424	Ideal for residential applications with false ceilings - Energy label up to A - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Slimmest unit in class, only 245mm - Exclusively offered for pair applications
Wall	Wall mounted unit	FAA-B		425	For rooms with no false ceilings nor free floor space - Flat, stylish front panel - The air is comfortably spread up- and downwards thanks to 5 different discharge angles - Easy maintenance as this can be done from the front of the unit - Flexible to install: pipe connection can be bottom, left or right
mounted	Perfera wall mounted unit	FTXM-R	16	428	For rooms with no false ceilings nor free floor space - Practically inaudible - 2 area motion detection sensor - Flash streamer technology - 3D air flow
Ceiling	Ceiling suspended unit	FHA-A(9)		429	For wide rooms with no false ceilings nor free floor space - Ideal for comfortable air flow in wide rooms thanks to Coanda effect - Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily! - Can be mounted in corners or narrow spaces without any problem
suspended	UNIQUE 4-way blow ceiling suspended unit	FUA-A		433	Unique Daikin unit for high rooms with no false ceilings nor free floor space - Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily! - Flexibility to suit every room layout without changing the location of the unit! - Optimum comfort guaranteed with automatic air flow adjustment to the required load - The air is comfortably spread up- and downwards thanks to 5 different discharge angles
Floor	Floor standing unit	FVA-A		435	For spaces with high ceilings - Ideal solution for commercial spaces with no or narrow false ceilings - Even rooms with very high ceilings can be heated up or cooled down very easily! - Guarantees a stable temperature - Vertical and horizontal outblow
standing	Concealed floor standing unit	FNA-A9		438	Designed to be concealed in walls, only grilles remain visible - Slimmest unit on the market with a depth of only 200mm! - Both window sill or ducted installation are possible thanks to sufficient ESP - Whisper quiet operation allows installation in any location

# Full R-32 BLUEVOLUTION line up



				Canaci	ty class							Outdoor unit	combination	l	
				Cupaci	ty class							<b>B-3</b>			
										Sky Alpha	<b>Air</b> -series	Sky/ Advance	Air -series	SkyAir Active-series	Sky Air Active-series
25	35	50	60	71	100	125	140	200	250	RZAG-A	RZAG- NV1/NY1	RZASG- MV(1)/MY(1)	RZA-D	AZAS- MV(1)/MY(1)	ARXM-R
				•	•	•	•				✓				
	•	•	•	•	•	•	•			<b>✓</b>	✓	<b>✓</b>	✓	<b>✓</b>	✓
•	•	•	•							✓	✓	<b>✓</b>	✓		
•	•	•	•							✓	✓	✓	<b>√</b>		
	•	•	•	•	•	•	•			<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	<b>√</b>
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								•	•				<b>√</b>		
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•	•	•	•							<b>✓</b>	✓	✓	✓		

## Benefit overview **SkyAir**

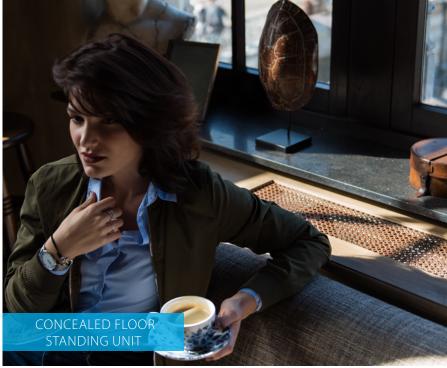


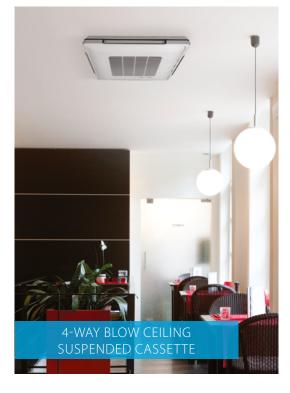
	Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.
a)	Fan only	The unit can be used as fan, blowing air without heating or cooling.
We care	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.
	Presence & floor sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on.  The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.
l e	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.
Comfort	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.
	Auto cooling- heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
г		
nent	NEW UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
Air treatment	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
Humidity	Dry programme	Allows humidity levels to be reduced without variations in room temperature.
г		
	Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains.
Air flow	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
¥.	Fan speed steps	Allows to select up to the given number of fan speed.
	Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.
	Onecta app	Control your indoor climate from any location via smartphone or tablet.
imer	Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis.
Remote control & tir	Infrared remote control	Starts, stops and regulates the air conditioner from a distance.
ote con	Wired remote control	Starts, stops and regulates the air conditioner.
Remo	Centralised control	Starts, stops and regulates several air conditioners from one central point.
	Multi zoning	Allows up to 6 individual climate zones with one indoor unit
г		
	Infrastructure cooling	Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.
	Auto-restart	The unit restarts automatically at the original settings after power failure.
ions	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
funct	Drain pump kit	Facilitates condensation draining from the indoor unit.
Other functions	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only a single outdoor unit even if they have different capacities. All indoor units operate within the same heating or cooling mode from one remote control.
	Multi model application	Up to 5 indoor units can be connected to a single outdoor unit, even if they have different capacities. All indoor units can individually be operated within the same heating or cooling mode.
	VRV for residential application	Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit.  All indoor units can individually be operated within the same mode.
L		

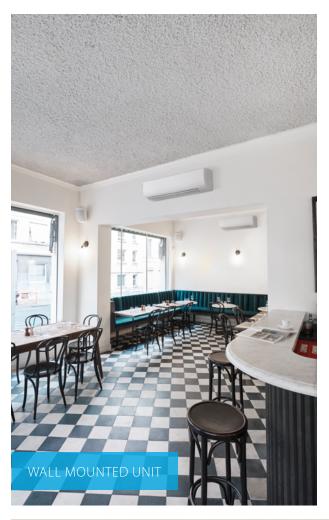
	Ceiling mounte cassette units	d			Concealed ceil units	ing		Ceiling suspended units	4-Way blow ceiling suspended unit	Wall mounted unit	Perfera wall mounted unit	star	oor ding nits
FCAHG-H	FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)	FDA125A	FDA200-250A	ADEA-A	FHA-A(9)	FUA-A	FAA-B	FTXM-R	FVA-A	FNA-A9
•	•	•	•	•	•	•	•	•	•	•		•	•
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0	0												
(Optional high efficiency filter ePM10 60%)		•	•	•	•	•	•	•	•	•	(Flash streamer; titanium apatite deodorising filter)	•	•
ePM10 60%)											filter)		
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•											
•	•	•						•	•	•	(incl. 3D air flow)	•	
5 + auto	5 + auto	3 + auto	3 + auto	3 + auto	9 + auto	3 + auto	3 + auto	5 + auto	3 + auto	3 + auto	5 + auto	3 + auto	3 + auto
•	•	•							•				
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			0	0			0						
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	•	•	•	•				•					•















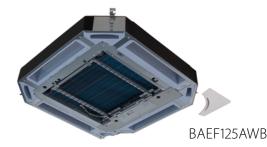




## Breathe healthy air with the round flow

## **UV Streamer kit**

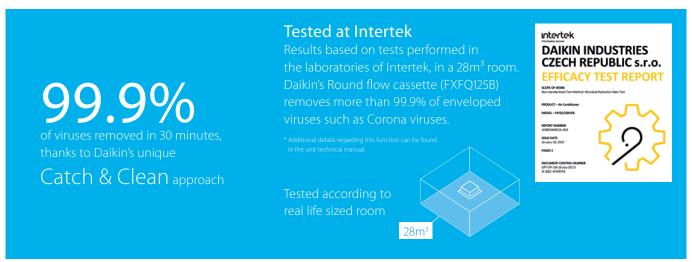
90% of our time is spent indoors. However indoor air is 2 to 5 times more polluted than outdoor air.



These internal pollution effects on people are manifested in the long run. Tackle them now! Our UV streamer kit offers you the solution:

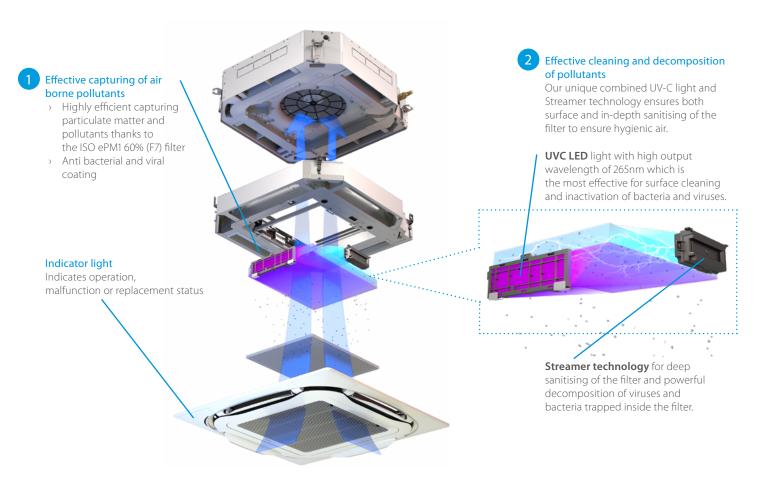
- > It purifies the air of pollutants such as viruses, bacteria, fine dust (PM1), odours, allergens, etc ensuring a healthy and hygenic indoor environment
- > Unique catch & clean approach includes an ISO ePM1 60% (F7) filter, UV-C light and Streamer technology
- > Thanks to large air flow rate of the Round flow cassette, clean air can be quickly delivered to every corner of your space
- > Can be retrofitted into existing installations
- > Can be used with BYCQ140E and BYCQ140EW decoration panels







# Daikin's unique Catch & Clean approach includes an ePM1 50% filter, UV-C light and Streamer technology



#### **Specifications**

		BAEF125AWB
Power Supply		1P, 220-240V, 50/60 Hz
Dimensions HxWxD	mm	100 x 840 x 840
Weight	kg	12
Compatible decoration panels		$BYCQ140E/BYCQ140EW * \\ (UV-streamer kit cannot be used with other filters, chambers, fresh air intake kits or air discharge outlet sealing member kit)$
Filter efficiency		еРМ1 60% @ISO16890 (F7)
Replacement interval		Pleated filter (BAF55A125): every year Flash streamer device: every 7 years UV-C LED: every 7 years

<sup>\*</sup> For compatibility with older panels, consult your local sales representative





## The round flow cassette

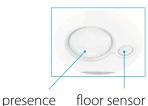
- > Maximum comfort thanks to 360° air discharge and intelligent sensors
- > Widest ever choice in panels to match any interior











sensor

floor sensor

> Auto cleaning panel keeps the filter free of dust for maximum efficiency



#### > UV streamer kit

- NEW > Purifies the air of pollutants such as viruses, bacteria, fine dust PM1, odours, allergens, etc ensuring a healthy and hygienic indoor environment
  - > Unique catch & clean approach includes an ISO ePM1 60% (F7) filter, UV-C light and Streamer technology
  - > Can be retrofitted into existing installations





#### Tested at Intertek

Daikin's Round flow cassette (FXFQ125B)













## High COP, round flow cassette

#### 360° air discharge for optimum efficiency and comfort

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- > High COP cassette ensures top performance and great energy savings
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- > Bigger flaps and unique swing pattern improve equal air distribution
- > 5 different fan speeds available for maximum comfort
- > UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygenic indoor environment
- > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed











White panel

White auto cleaning panel

Black panel

Black design panel

More details and final information can be found by scanning or clicking the QR codes.



FCAHG-H

RZAG-NV1

RZAG-NY1

Efficiency data			FCAH	G + RZAG	71H + 71NV1	100H + 100NV1	125H + 125NV	1 140H + 140NV	71H + 71NY	1 100H + 100NY1	125H + 125NY1	140H + 140NY
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy e	fficiency c	lass		A	++		-	Α	++		-
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				7.90	7.70	8.02	7.93	7.90	7.70	8.02	7.93
	ηs,c			%		-	318	314		-	318	314
	Annual e	nergy con	sumption	kWh/a	301	432	905	1,014	301	432	905	1,014
Space heating	Energy e	fficiency c	lass		A	++		-	A+	A++		-
(Average climate)	Capacity		Pdesign	kW	4.70		9.52		4.70		9.52	
	SCOP/A				4.61	4.75	4.53	4.44	4.56	4.75	4.53	4.44
	ηs,h			%		-	178	175		-	178	175
	Annual e	nergy con	sumption	kWh/a	1,427	2,805	2,943	3,002	1,443	2,805	2,943	3,002
Indoor unit				FCAHG	71H	100H	125H	140H	71H	100H	125H	140H
Dimensions	Unit	Heightx <sup>1</sup>	WidthxDepth	mm				288x8	40x840			
Weight	Unit			kg				2	5.0			
Air filter	Type							Resi	n net			
Decoration panel	Model				Standard	panels: BYCQ	140E - white	with grey lou	ivers / BYCQ1	40EW - full wh	nite / BYCQ140	DEB - black
·										BYCQ140EGFB CQ140EPB - bla		
	Dimension	s Heighty	WidthxDepth	mm	Standard					0x950 / Design		5x950x950
	Weight	3 Height	MadixBeptii	kg	Staridard					3 / Designer p		3X730X730
Fan	Air flow	Coolina	Low/Medium/Hic		13 7/18 8/23 6			7.3/34.4		5 19.1/25.7/32.2		7.3/34.4
T uit	rate	Heating						5.5/32.1		5 18.3/24.6/30.8		5.5/32.1
Sound power level		ricating	LOW/MCGIGITI/TIIG	dBA	53.0	10.3/ 24.0/ 30.0	61.0	J.J/ JZ.1	53.0	7 10.5/ 24.0/ 50.0	61.0	). <i>5</i> / <i>5</i> 2.1
Journa power rever	Heating			dBA	53.0		61.0		53.0		61.0	
Sound pressure	Cooling	Low/Hig	h	dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0
level	Heating	Low/Hig		dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0
Control systems		emote co		ub/ t	25.0750.0					B / BRC7FB532		37.07 13.0
control systems		note cont								C1E53C / BRC1E		
Power supply		equency/\		Hz/V		5.,			220-240/220	C.233 C 7 311 C12		
Piping connections									25/O.D. 32)			
Outdoor unit				RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	Haiabty	WidthxDepth		/ INV I	IOUNVI	IZSINV I		100x460	IOUNTI	IZSINY I	14UN Y I
Weight	Unit	neightx	wiathxbepth	mm	81	85		95	81	85		14
Sound power level				kg dBA	64	66	69	70	64	66	69	70
Souria power level	Heating			dBA	04	00	68	70	04	00	68	70
Sound pressure	Cooling	Nom.		dBA	46	47	49	50	46	47	49	50
level	Heating	Nom.		dBA	48	50		52	48	50		 2
Operation range	Cooling		Min.~Max.	°CDB	40				)~52	30		12
Operation range	Heating		Min.~Max.	°CWB					)~32 )~18			
Refrigerant	Type/GW		. IVIIII.~IVIAX.	CVVD					2/675			
Remgerant	Charge			kg/TCO2Eg	3 20	)/2.16	3 70	)/2.50		0/2.16	3 70	/2.50
Piping connections		· OD		mm	3.20	7/2.10	3.70		2/15.9	3/ 2.10	3.70	2.30
riping connections	Piping	0U - IU	Max.	m	55		85	9.32	55		85	
	length	System	Equivalent	m	75		100		75		100	
		2,310111	Chargeless	m	,,,	1	100		10	1	100	
	Level difference	الا - الله	Max.	m					30			
			ant charge	kg/m					ition manual			
Power supply		equency/\		Hz/V		1~/50 /	220-240	Jee mistalia	idon manaar	3~/50 /	380-415	
Current - 50Hz		n fuse amı		A	20	1 7507.	32				6	
Contains fluorinated are			03 (IVII A)	A			32					







#### 360° air discharge for optimum efficiency and comfort

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Optional automatic filter cleaning panel results in higher efficiency
   & comfort and lower maintenance costs
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Lowest installation height in the market: 214mm for class 20-63
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- > Bigger flaps and unique swing pattern improve equal air distribution
- > UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygenic indoor environment
- > Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

Efficiency data

ng the QR codes. FCAG-B RZAG-A RZAG-NV1 RZAG-NY1

FCAG + RZAG 35B + 35A 50B + 50A 60B + 60A 71B + 71NV1 100B + 100NV1 125B + 125NV1 140B + 140NV1 71B + 71NY1 100B + 100NY1 125B + 125NV1 140B + 140NV1

	Elliciency data			FCAG	TILAG	330 T 33	M JUD T JUN	OUD T OUA	/IDT/INVI	I ANIONI A GOOD	IZJD T IZJIVVI	HUD T HUNN	/ ID T / IN I I	I IUUD T IUUNI I	1230 T 123N11	1400 T 140NT
Space coolings	Cooling capacity	Nom.			kW	1.6/3.5/4	.5 1.7/5.0/6.0	1.7/6.0/6.5	-/6.80/-	-/9.50/-			-/6.80/-			-/13.4/-
Page   Page	Heating capacity	Nom./Ma	X.		kW	1.40/4.00/5.0	00 1.50/5.80/6.00	1.60/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
SEER	Space cooling	Energy ef	ficiency cla	ass				A++				-	A-	++		-
Part		Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Annual energy consumption		SEER				7.30	6.80	6.60	6.83	7.14	7.15	6.80	6.83	7.14	7.15	6.80
Space heating   Charge climate    Charge clima		ns,c			%			-			283	269		-	283	269
Space heating   Capacity   Pdesign   kW   3.30   4.30   4.00   4.70   7.80   9.52   4.70   7.80   9.52   7.70   7.80   9.52   7.70   7.80			nerav cons	umption	kWh/a	168	257	318	348	466	1.016	1,182	348	466	1.016	1.182
Capacity	Space heating							A+			,	-	A	۱+	,	-
ScoPyA			,		kW	3.30	4.30		4.70	7.80	9.	52			9.	.52
Part   Part	, J ,															
Manual energy consumption   MayNa   1,074   1,398   1,515   1,560   2,413   3,071   1,560   2,413   3,071   1,560   2,413   3,071   1,560   2,413   3,071   1,560   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500   1,241   1,500					%									-		
Product   Prod			neray cons	umption		1 074	1 398		1560	2 413			1560	2 413		
Dimensions		7 tilliaar C	nergy com	amption			,									
Mode   Unit						35B			71B							
Residence   Part   Part   Part   Residence   Residen			HeightxV	VidthxDepth						24		40		24		40
Mode					kg	18	1	9	21				21		23	
Dimensions																
Designer   Designer	Decoration panel	Model				Sta	ındard pane								:Q140EB - I	black
Dimensions   Height Number																
Mart   Mart		D:	- 11-1	(: - +  D + -		C+-									I 10 C 0 F C	0050
Fan			s Heightxw	riatnxDeptn												JX950
Sound power level   Cooling	F		C l'	1/\(\Lambda\) //       -												1/272
Sound power level   Cooling   Heating   dBA   49.0   51.0   54.0   58.0   51.0   54.0   58.0	ran															
Heating	6 1 1		Heating	Low/Mealum/High												
Cooling   Low/High   dBA   27.0/31.0   28.0/33.0   28.0/35.0   29.0/37.0   29.0/41.0   28.0/35.0   29.0/37.0   29.0/41.0   28.0/35.0   29.0/37.0   29.0/41.0   28.0/35.0   29.0/37.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   28.0/33.0   29.0/41.0   29.0/41.0   28.0/33.0   29.0/41.0   2	Sound power level															
Red														-		
Control systems																
Wired remote control   BRC1H52W/S/K / BRC1E53K / BRC1E53K / BRC1E53C / BRC1D52					dBA	27.	0/31.0								29.0	/41.0
Power supply	Control systems															
Piping connections Drain   Standard   Stan								BRC	1H52W/S/I				-53C / BRC	1D52		
Dutdoor unit			equency/V	oltage	Hz/V											
Dimensions   Unit   HeightxWidthxDepth   mm   734x870x373   870x1,100x460	Piping connections	Drain								VP25 (	O.D. 32 /	l.D. 25)				
Dimensions   Unit   HeightxWidthxDepth   mm   734x870x373   870x1,100x460	Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Sound power level   Cooling   Heating   Heat	Dimensions	Unit	HeightxV	VidthxDepth	mm		734x870x3	73				870x1,1	00x460			
Sound power level   Cooling   Heating   Heat	Weight	Unit			ka		52		81	85	C	95	81	85	9	94
Heating		Cooling				62.0		64.0		66	69	70		66	69	70
Sound pressure   Cooling   Nom.   Cooling   Nom.   Cooling   Nom.   Cooling   Nom.   Cooling   Nom.   Cooling   Ambient   Min.~Max.   °CDB   -20-52   Cooling   Cooling   Ambient   Min.~Max.   °CDB   -20-52   Cooling   Cooling   Ambient   Min.~Max.   °CDB   -20-52   Cooling   Cooling   Cooling   Ambient   Min.~Max.   °CDB   -20-52   Cooling   Cooling   Cooling   Cooling   Ambient   Min.~Max.   °CDB   -20-52   Cooling   Cooling   Cooling   Cooling   Cooling   Ambient   Min.~Max.   °CDB   Cooling   Coo										-	68			-	68	
See   Heating   Nom.   dBA   48.0   49.0   50.0   48   50   52   48   50   52	Sound pressure		Nom						46	47	49		46	47		
Operation range         Cooling Heating         Ambient Min.~Max.         °CDB         -20~52         -20~52           Refrigerant         Type/GWP         R-32/675.0         R-32/675.0         R-32/675.0           Piping connections Liquid/Gas OD Piping OU - IU Max.         mm         6.35/9.52         6.35/12.7         9.52/15.9           Piping System Level difference IU - OU Max.         mm         -         75         100         75         100           Level difference IU - OU Max.         mm         30.0         30.0         30         Additional refrigerant charge         kg/m           Power supply         Phase/Frequency/Voltage         Hz/V         1~/50/220-240         3~/50/380-415							1210							_		
Heating				Min ~Max		10.0	1, 1, 1, 1, 1	30.0	10					30		
Refrigerant   Type/GWP	operationrange															
Charge	Refrigerant			Willia Widx.	CIID			n								
Piping connections Liquid/Gas OD	nemgerant				ka/TCO2Fa			,	3 20	1/2 16	3 70			1/2 16	3 70	/2.50
Piping   OU - IU   Max.   m   50   55   85   55   85	Dining connections		r OD			6 35/0 5		712.7	3.20	72.10	3.70			72.10	3.70	72.50
length   System   Equivalent   m   -   75   100   75   100	riping connections			May		0.33/ 3.3		7 12.7	55		95	9.32			95	
Chargeless m   30   40		1 2														
Level difference IU - OU Max. m 30.0 30 Additional refrigerant charge kg/m 0.02 (for piping length exceeding 30m) See installation manual  Power supply Phase/Frequency/Voltage Hz/V 1~/50 /220-240 3~/50 /380-415		ichigui	Jysteili						,,		100			1	100	
Additional refrigerant charge kg/m 0.02 (for piping length exceeding 30m) See installation manual  Power supply Phase/Frequency/Voltage Hz/V 1~/50 /220-240 3~/50 /380-415		Loyal difforance	ALL OLL													
Power supply Phase/Frequency/Voltage Hz/V 1-/50/220-240 3-/50/380-415						0.02 (for ni		cooding 20ml			٠,		-	ual		
	Dower cumply					v.uz (luf þi	ping iengin ex		/FO /220 1	240	36	e iiistalla	uon man		200 415	
Current - 200 2 Maximum ruse amps (MFA) A - 20 32 16								I~/		240	22					
	current - 50HZ	waximun	ii iuse amp	S (IVIFA)	A	1	-		20		32			!	O	







#### 360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygenic indoor environment
- > Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- > Standard drain pump with 675mm lift increases flexibility and installation speed











White panel

White auto cleaning panel

30.0

1~/50 /220-240

Black panel Black design

More details and final information can be found by scanning or clicking the QR codes.

clicking the QR	codes.	<i>y</i> .	FCA	AG-B	RZ	ASG-MV1	RZ	ZASG-MV	1	RZASG-MY
Efficiency data			FCAG + RZASG	71B + 71MV1	100B + 100MV	125B + 125MV	140B + 140MV	100B + 100MY	125B + 125M	Y 140B + 140I
Cooling capacity	Nom.		kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.		kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy et	fficiency cla	ass	A-	++		-	A++		-
-	Capacity		Pdesign kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER			6.47	6.55	5.76	6.53	6.55	5.76	6.53
	ηs,c		%		-	227	258	-	227	258
	Annual e	nergy cons	sumption kWh/a	368	507	1,261	1,231	507	1,261	1,231
Space heating	Energy et	fficiency cla	ass	A	<b>\</b> +		-	A+		-
(Average climate)	Capacity		Pdesign kW	4.50	6.	.00	7.80	6.0	00	7.80
	SCOP/A			4.10	4.17	4.05	4.31	4.17	4.05	4.31
	ηs,h		%		-	159	169	-	159	169
	Annual e	nergy cons	umption kWh/a	1,537	2,016	2,074	2,534	2,016	2,074	2,534
Indoor unit			FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxV		204x840x840		,		40x840		, , , ,
Weight	Unit		ka	21				23		
Air filter	Туре						Resin net			
Decoration panel	Model			Standard p	Auto clea	ning panels: BY	CQ140EGF - wh	YCQ140EW - full ite / BYCQ140EG e / BYCQ140EPB -	FB - black	40EB - black
	Dimensions	HeightxW	/idthxDepth mm	Standard p				3x950x950 / Desi		06x950x950
	Weight		kg		Standard pa	anels: 5.5 / Auto	cleaning panel	ls: 10.3 / Designe	r panels: 6.5	
Fan	Air flow	Cooling	Low/Medium/High m³/min	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20	).4/27.2	13.0/17.8/22.7	13.1/2	0.4/27.2
	rate	Heating	Low/Medium/High m³/min		13.2/18.1/23.0		0.2/27.0	13.2/18.1/23.0	13.0/2	20.2/27.0
Sound power level			dBA		54.0		3.0	54.0		8.0
	Heating		dBA	51.0	54.0		3.0	54.0	5	8.0
Sound pressure	Cooling	Low/Med		28.0/31.0/35.0			5.0/41.0	29.0/33.0/37.0	29.0/3	35.0/41.0
level	Heating	Low/Med	lium/High dBA	28.0/31.0/33.0			5.0/41.0	29.0/33.0/37.0		35.0/41.0
Control systems		emote con						532FB / BRC7FB		
	Wired rer	note contr	ol		BRC1	H52W/S/K / BRC1	E53A / BRC1E53B	3 / BRC1E53C / BRC	C1D52	
Power supply	Phase/Fr	equency/V	oltage Hz/V			1~/	50/60/220-240/	/220		
Outdoor unit			RZASG	71MV1	100MV	125MV	140MV	100MY	125MY	140MY
Dimensions	Unit	HeightxV	VidthxDepth mm	770x900x320			990x9	40x320		
Weight	Unit		kg	60	7	72	79	72	2	79
Sound power level	Cooling		dBA	65	70	71	73	70	71	73
	Heating		dBA		-	71	73	-	71	73
Sound pressure	Cooling	Nom.	dBA	46	5	53	54	5.	3	54
level	Heating	Nom.	dBA	47				57		
Operation range	Cooling	Ambient	Min.~Max. °CDB				-15~46			
	Heating	Ambient	Min.~Max. °CWB				-15~15.5			
Refrigerant	Type/GW	'P					R-32/675			
•	Charge		kg/TCO2Eq	2.45/1.65	2.60	)/1.76	2.90/1.96	2.60/	/1.76	2.90/1.9
Piping connections		s OD	mm				9.52/15.9			
	Piping	OU - IU	Max. m				50			
	length	System	Equivalent m				70			
			Chargeless m				30			
	Addition	al refrigera				See	installation ma	anual		
		e IU - OU					30.0			

Power supply

Current - 50Hz

Level difference IU - OU Max.

Phase/Frequency/Voltage

Maximum fuse amps (MFA)

Hz/V

3~/50/380-415

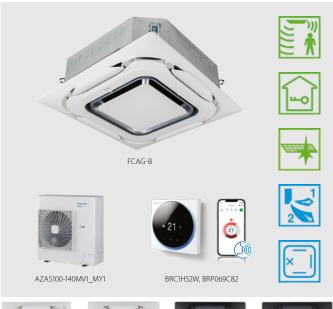






#### 360° air discharge for optimum efficiency and comfort

- > Ideal solution for small businesses and shops
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Bigger flaps and unique swing pattern improve equal air distribution
- > UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygenic indoor environment
- > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed











White panel

White auto cleaning panel

Black panel Black design p

More details and final information can be found by scanning or clicking the OR codes

clicking the QR codes. FCAG-B ARXM-R AZAS-MV AZAS-MY

Cooling capacity   Nom.	Efficiency data			FCAG+	ARXM / AZAS	71B + ARXM 71R	100B + AZAS100MV	125B + AZAS125MV	140B + AZAS140MV	100B + AZAS100MY	125B + AZAS125MY	140B + AZAS140MY
Space cooling   Capacity   Pdesign   kW   6.80   5.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   9.50   12.1   13.0   13.0   12.1   13.0   13.0   12.1   13.0   13.0   12.1   13.0   13.0   12.1   13.0   13.0   12.1   13.0		Nom.			kW	6.80/7.05	9.50/-	12.1/-	13.4/-	9.50/-	12.1/-	13.4/-
Space cooling   Capacity   Pdesign   kW   6.80   5.50   12.1   13.0   9.50   12.1   13.0   13.0   13.0	Heating capacity	Nom./Ma	X.		kW	7.50/7.58	10.8/-	13.5/-	15.5/-	10.8/-	13.5/-	15.5/-
Capacity		Eneray ef	ficiency cl	ass		Α	\+		-	A+		-
Part	.,				kW	6.80	9.50	12.1	13.0		12.1	13.0
Part						5.87	6.1	5.6	6.2	6.1	5.6	6.2
Annual energy consumption   Annual energy consumption   Author					%		-					
Space heating (Average climate)			neray cons	sumption	kWh/a	405	586			586		
Aberrage climate   Capacity   Pdesign   KW   4-50   6-00   7.80   7.80	Space heating				, -			,	,		.,,	-
SCOPIA					kW			00	780		00	780
Part   Part	, <b>.</b> ,						-					
Indoor unit					%		-			-		
Dimensions			nergy cons	sumption		1,573	2,182			2,182	+	
Dimensions	Indoorunit			•	ECAG	71R	100B	125R	1/10R	100B	125R	1/10R
Mode		Unit	Heighty	Widthy Denth			1005	1230			1230	1400
Minter   Type			ricigiitxi	Mathabepth								
Decoration panel   Properties   Propertie					Kg	21						
						Standard na	anels: RYCO140	F - white with a		YCO140FW - fu	Il white / BYCO1	140FR - black
Designer   Designer	Decoration paner	Model				Staridard pt	Auto clear	ning panels: BY	CO140EGF - wh	ite / BYCO140E	GFB - black	TIOLD DIGER
Dimension   Heightx   Hough   Mage   Heightx   Hough   Mage   Heightx   Hough   Mage   Heightx   Hough   Heightx   Ho												
Main   Main		Dimension	s HeightxV	WidthxDepth	mm	Standard pa						106x950x950
Fan												
Sound power leve	Fan		Cooling	Low/Medium		10.8/13.0/15.1						0.4/27.2
Sound power level   Cooling												
Heating	Sound power level	Cooling								1		
Sound pressure   Low   Medium   High   Low   Medium   High   Max   28.0/31.0/35.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/33.0/37.0   29.0/35.0/41.0   29.0/	sound porter level											
Non-	Sound pressure		Low/Med	dium/Hiah		28.0/31.0/35.0	29 0/33 0/370					
Control systems												
Nome   Supply   Phase/Frequency/Votage   Hz/V   SRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52   SRC1D52    Control systems											,	
Power supply   Phase/Frequency/Voltage												
Outdoor unit         ARXM/AZAS         ARXM/AZAS         ARXM/AZAS         ARXM/TR         AZAS100MV         AZAS140MV         AZAS140MV         AZAS125MV         AZAS140MV         AZAS1	Power supply				Hz/V							
Dimensions   Unit   HeightxWidthxDepth   mm   734x954x401   990x940x320   72   79   72   79   79   72   79   79						ADVIATAD	4745400141/			,	A 7 A C42 F B 4 V	A 7 A C4 4 O B 4 V
Weight   Unit		I I a te	I I a l'ada de de				AZASIOUMIV	AZAS125MIV			AZAS125MIY	AZAS140MY
Sound power level   Cooling   Heating   Heat			Heightxv	wiathxbepth			_	70			70	70
Heating												
Sound pressure   Evel   Heating   Nom.   MBA   S2.0   S3   S4   S3   S4   S4   S5   S5   S5   S5   S5   S5	Sound power level					-	/0			70		
Red	C		N1			52.0	-			-		
Operation range							5	5			53	54
Heating						52.0				0/		
Refrigerant   Type/GWP	Operation range					15.24	I			15.5		
Charge	D (1			wiin.~wax.	-CMR	-15~24				15.5		
Piping connections   Liquid/Gas OD	Refrigerant		Р		L. /TCO2F	115 (0 700	2.60	11.76		2.66	2/176	2.00/1.06
Piping   OU - IU   Max.   m   30	B		00			1.15/0./80	2.60	)/1./6		2.60	J/1./6	2.90/1.96
length   System   Equivalent   m   50   30	Piping connections											
Chargeless m   30												
Additional refrigerant charge         kg/m         0.035         See installation manual           Level difference IU - OU         Max.         m         20.0         30.0           Power supply         Phase/Frequency/Voltage         Hz/V         1~/50/220-240         3~/50/380-415		iengtn	System									
		A 1 11.1				0.005						
Level difference IU - OU         Max.         m         20.0         30.0           Power supply         Phase/Frequency/Voltage         Hz/V         1~/50/220-240         3~/50/380-415		Addition	al refrigera	ant charge	kg/m	0.035 (for piping length exceeding 10m)			See installa	tion manual		
Power supply Phase/Frequency/Voltage Hz/V 1~/50 /220-240 3~/50 /380-415		Level difference	e IU - OU	Max.	m				30	0.0		
	Power supply	Phase/Fre	equency/V	/oltage	Hz/V		1~/50 /	220-240			3~/50/380-415	5
	Current - 50Hz				Α	-	25	3	32		16	







#### 360° air discharge for optimum efficiency and comfort

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygenic indoor environment
- > Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- > Standard drain pump with 675mm lift increases flexibility and installation speed











White panel

White auto cleaning panel

Black panel Black design |

More details and final information can be found by scanning or clicking the OR codes.

can be lound by		ig oi					
clicking the QR	codes.			FCA	G-B RXM-R	RXM-R9	RXM-A
Efficiency data				FCAG + RXM	35B + 35R9	50B + 50A	60B + 60R
Cooling capacity	Nom.			kW	3.50	5.00	5.70
Heating capacity	Nom.			kW	4.20	6.00	7.00
Space cooling	Energy ef	ficiency cla	ass		A++	A-	++
	Capacity		Pdesign	kW	3.50	5.00	5.70
	SEER				6.35	6.54	6.40
	Annual e	nergy cons	sumption	kWh/a	193	268	312
Space heating	Energy ef	ficiency cla	ass		A++	Д	<b>\</b> +
(Average climate)	Capacity		Pdesign	kW	3.32	4.36	4.71
	SCOP/A				4.90	4.30	4.20
	Annual e	nergy cons	sumption	kWh/a	948	1,418	1,569
Indoor unit				FCAG	35B	50B	60B
Dimensions	Unit	HeightxV	VidthxDepth	mm		204x840x840	
Weight	Unit			kg	18	1	9
Air filter	Type					Resin net	
Decoration panel	Model				Auto cleaning	hite with grey louvers / BYCQ140EW panels: BYCQ140EGF - white / BYCQ anels: BYCQ140EP - white / BYCQ14	140EGFB - black
	Dimensions	s HeightxV	VidthxDepth	mm	Standard panels: 65x950x950 /	Auto cleaning panels: 148x950x950	/ Designer panels: 106x950x95
	Weight			kg	Standard panels:	5.5 / Auto cleaning panels: 10.3 / De	esigner panels: 6.5
Fan	Air flow	Cooling	Low/Medium	/High m³/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9
	rate	Heating	Low/Medium	/High m³/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9
Sound power level	Cooling			dBA	49.0	49.0	51.0
	Heating			dBA	49.0	49.0	51.0
Sound pressure	Cooling	Low/Med	dium/High	dBA	27.0/29	9.0/31.0	28.0/31.0/33.0
level	Heating	Low/Med	lium/High	dBA	27.0/29	9.0/31.0	28.0/31.0/33.0
Control systems	Infrared r	emote con	ntrol		BRC7FA532	2F / BRC7FB532F / BRC7FA532FB / BF	RC7FB532FB
	Wired rer	note contr	ol		BRC1H52W/S	5/K / BRC1E53A / BRC1E53B / BRC1E5	3C / BRC1D52
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/50/60/220-240/220	
						A) E) W	

						NEW	
Outdoor unit				RXM	35R9	50A	60R
Dimensions	Unit	HeightxV	VidthxDepth	mm	552x840x350	734x95	4x401
Weight	Unit			kg	32	49	.0
Sound pressure	Cooling	Nom.		dBA	49.0	48	.0
level	Heating	Nom.		dBA		49.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~18	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0	.780
Piping connection	s Liquid	OD		mm		6.35	
	Gas	OD		mm	9.50	12	7
	Piping	OU - IU	Max.	m	20	3	)
	length	System	Chargeless	m		10	
	Addition	al refrigera	nt charge	kg/m	0.0	02 (for piping length exceeding 10r	n)
	Level difference	e IU - OU	Max.	m	15	20	.0
Power supply	Phase/Fr	equency/V	'oltage	Hz/V		1~/50 /220-240	
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α	13	10	5



## Why choose fully flat cassette

- > Unique design in the market that integrates fully flat into the ceiling
- > Advanced technology and top efficiency combined
- > Most quiet cassette available on the market

### FFA-A9 / FXZQ-A



Choice between grey or white panel

## Benefits for the installer

- > Unique product in the market!
- > Most quiet unit (25dBA)
- The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
- > Meeting Furopean design taste

### Benefits for the consultant

- Unique product in the market!
- Blends seamlessly in any modern office interior design
- Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA\*) or VRV IV heat pump units (FXZQ\*).

## Benefits for the end user

- > Engineering excellence and unique design in one
- Most quiet unit (25dBA)
- > Perfect working conditions: no more cold draughts
- > Save up to 27% on your energy bill thanks to the optional sensors
- Flexible usage of space and suits any room configuration thanks to individual flap contro
- > User-friendly remote control, available in several languages.





#### Unique design

- > Designed by a European design office to fully meet the European taste.
- > Fully flat into the ceiling, leaving only 8mm.
- Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
- > Decoration panel available in 2 colours (white and white-silver).





#### Differentiating in technology

#### Optional presence sensor

- When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
- > When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

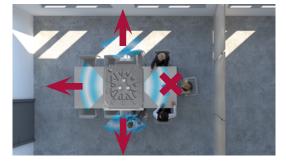
#### Optional floor sensor

Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.



### Top efficiency

- > Seasonal efficiency labels up to A++---\*
- When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.
  - \* for FFA25,35A9 in combination with RXM25,35



#### Other benefits

- Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/ BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
- Most silent cassette in the market (25dBA), important for office applications.

### Marketing tools

- > https://www.daikin.eu/en\_us/product-group/fully-flat-cassette.html
- > www.youtube.com/DaikinEurope



## **Fully flat cassette**

## Unique design in the market that integrates fully flat into the ceiling

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- > Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- > Standard drain pump with 630mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FFA-A9 RZAG-A

Efficiency data			FFA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A		
Cooling capacity	Min./Non	ı./Max.	kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5		
Heating capacity	Min./Non	ı./Max.	kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50		
Space cooling	Energy ef	ficiency class		A	++	A+		
	Capacity	Pdesign	kW	3.50	5.00	6.00		
	SEER			6.40	6.30	5.80		
	Annual er	nergy consumption	kWh/a	191	278	362		
Space heating	Energy ef	ficiency class		A	A	+		
(Average climate)	Capacity	Pdesign	kW	4.20	4.30	4.50		
	SCOP/A			3.80	4.01	4.04		
	Annual er	nergy consumption	kWh/a	1,546	1,501	1,558		
ndoor unit			FFA	35A9	50A9	60A9		
Dimensions	Unit	HeightxWidthxDeptl	n mm		260x575x575			
Weight	Unit	<u>.</u>	kg	16.0	17	.5		
Air filter	Туре		Ĭ		Resin net			
Decoration panel	Model			BYFQ60C2W	1W / BYFQ60C2W1S / BYFQ60B2W1 /	BYFQ60B3W1		
•	Colour				9.5)/SILVER/White (RAL9010)/WHITE			
	Dimensions	HeightxWidthxDeptl	n mm	· · · · · · · · · · · · · · · · · · ·	x620 / 46x620x620 / 55x700x700 / 55x	· ,		
	Weight		kg		2.8/2.8/2.7/2.7			
Fan	Air flow	Cooling Low/Mediu	ım/High m³/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5		
	rate		ım/High m³/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5		
Sound power level	Cooling		dBA	51.0	56.0	60.0		
Sound pressure	Cooling	Low/Medium/High	dBA	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0		
evel	Heating	Low/Medium/High	dBA	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0		
Control systems	Infrared r	emote control		BRC7EB530W (standard	panel) / BRC7F530W (white panel) /	BRC7F530S (grey panel)		
	Wired ren	note control		BRC1H52W/	S/K / BRC1E53A / BRC1E53B / BRC1E53	BC / BRC1D52		
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/220-240			
Outdoor unit			RZAG	35A	50A	60A		
Dimensions	Unit	HeightxWidthxDeptl	n mm		734x870x373			
Weight	Unit		kg		52			
Sound power level	Cooling		dBA	62.0	63.0	64.0		
	Heating		dBA	62.0	63.0	64.0		
Sound pressure	Cooling	Nom.	dBA	48.0	49.0	50.0		
level	Heating	Nom.	dBA	48.0	49.0	50.0		
Operation range	Cooling	Ambient Min.~Max.			-20~52			
	Heating	Ambient Min.~Max.	. °CWB		-20~24			
Refrigerant	Type/GW				R-32/675.0			
	Charge		kg/TCO2Eq		1.55/1.05			
Piping connections			mm	6.35/9.52	6.35	/12.7		
	Piping	OU - IU Max.	m		50			
	length	System Chargeless	s m		30			
	Additional refrigerant charge kg/m							
	Level difference		m		30.0			
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/220-240			

RXM-A

## **Fully flat cassette**

## Unique design in the market that integrates fully flat into the ceiling

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- > Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- > Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- > Unified indoor unit range for R-32 and R-410A
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 630mm lift increases flexibility and installation speed



RXM-R9

More details and final information can be found by scanning or clicking the QR codes.

Clicking the Qiv	coues.			ПАА	9	11//101 11	NAIVI NO	II/XIVI /A
Efficiency data				FFA + RXM	25A9 + 25R9	35A9 + 35R9	50A9 + 50A	60A9 + 60R
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
Power input	Cooling		Nom.	kW	0.55	0.89	1.54	1.86
	Heating		Nom.	kW	0.82	1.20	1.66	2.05
Space cooling	Energy ef	ficiency cla	ass		ŀ	\++	P	۱+
	Capacity		Pdesign	kW	2.50	3.40	5.00	5.70
	SEER				6.17	6.38	5.98	5.76
	Annual er	nergy cons	sumption	kWh/a	142	186	293	346
Space heating	Energy ef	ficiency cla	ass			A+	Α	A+
(Average climate)	Capacity		Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP/A				4.24	4.10	3.90	4.04
	Annual er	nergy cons	sumption	kWh/a	762	1,058	1,378	1,373
Nominal efficiency	EER				4.57	3.81	3.24	3.05
	COP				3.90	3.50	3.49	3.41
	Annual er	nergy cons	sumption	kWh	273	446	772	931
	Energy labe	ling Directive	e Cooling/Hea	ting	A/A	A	A/B	B/B
Indoor unit				FFA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxV	WidthxDepth	mm		260x5	575x575	
Weight	Unit			kg	1	6.0	17	7.5
Air filter	Type						n net	
Decoration panel	Model				BYF	Q60C2W1W / BYFQ60C2W	IS / BYFQ60B2W1 / BYFQ60	B3W1
	Colour					White (N9.5)/SILVER/White	(RAL9010)/WHITE (RAL901	0)
	Dimensions	: HeightxV	WidthxDepth	mm		46x620x620 / 46x620x620	/ 55x700x700 / 55x700x700	)
	Weight			kg		2.8/2.8	3/2.7/2.7	
Fan	Air flow	Cooling	Low/Medium	/High m³/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
	rate	Heating	Low/Medium	/High m³/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
Sound power level	Cooling			dBA	48.0	51.0	56.0	60.0
Sound pressure	Cooling	Low/Med	dium/High	dBA	25.0/28.5/31.0	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
level	Heating	Low/Med	dium/High	dBA	25.0/28.5/31.0	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
Control systems	Infrared r	emote con	ntrol		BRC7EB530W	standard panel) / BRC7F53	0W (white panel) / BRC7F5	30S (grey panel)
	Wired ren	note contr	rol		BR	C1H52W/S/K / BRC1E53A / E	RC1E53B / BRC1E53C / BRC	1D52
Power supply	Phase/Fre	0.0		Hz/V		4 (50	220-240	

FFA-A9

RXM-R

							NEW			
Outdoor unit				RXM	25R9	35R9	50A	60R		
Dimensions	Unit	HeightxV	WidthxDepth	mm	552x84	10x350	734x95	4x401		
Weight	Unit			kg	3	2	49.	0		
Sound pressure	Cooling	Nom.		dBA	46.0	49.0	48.	0		
level	Heating	Nom.		dBA	47.0		49.0			
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10·	~46			
	Heating	Ambient	Min.~Max.	°CWB		-15	~18			
Refrigerant	Type					R-	32			
	GWP				6	75	675	.0		
	Charge			kg/TCO2Eq	0.76	/0.52	1.15/0	.780		
Piping connection	s Liquid	OD		mm		6.	35			
	Gas	OD		mm	9.	52	12.	7		
	Piping	OU - IU	Max.	m	2	0	30	)		
	length	System	Chargeless	m		1	0			
	Addition	al refrigera	int charge	kg/m		0.02 (for piping len	gth exceeding 10m)			
	Level difference	e IU - OU	Max.	m	1	5	20.	0		
Power supply	Phase/Fre	equency/V	oltage/	Hz/V	1~/50 /220-240					
Current - 50Hz	Maximur	n fuse amp	os (MFA)	Α	1	3	16			



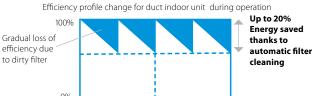
The unique automatic cleaning filter achieves higher efficiency

and comfort with lower maintenance costs

12 months

#### Reduce running costs

 Automatic filter cleaning ensures low maintenance costs because the filter is always clean





- > The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
- > No more dirty ceilings

#### Improved indoor air quality

> Optimum airflow eliminates draft and insulates sound

#### Superb reliability

> Prevents clogged filters for seamless operation

#### Unique technology

> Unique and innovative filter technology inspired by the Daikin auto cleaning cassette



#### Combination table

	S	plit/	Sky A	ir				VRV			
		FDX	M-F9			F	XDA-	A/FX	DQ-A	3	
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

## How does it work?

- 1 Scheduled automatic filter cleaning
- 2 Dust collects in a dust box that's integrated into the unit
- 3 The dust can easily be removed with a vacuum cleaner



youtube.com/DaikinEurope

UNIQUE

pending

#### **Specifications**

	BAE20A62	BAE20A82	BAE20A102
Height (mm)		210	
Width (mm)	830	1,030	1,230
Depth (mm)		188	



The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

#### Benefits

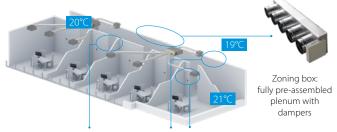
#### Increased comfort

- > Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

#### Easy to install

- > Automatic air flow adjustment according to the demand
- > Easy to install, integrates with the Daikin indoor units and system controls
- > Time saving as plenum comes fully pre-assembled with dampers, and control boards
- > Reduces the amount of refrigerant required in the installation

#### How does it work?



#### Individual zone thermostats

#### Bluezero - Airzone Main Thermostat

> Color graphic interface for controlling zones



AZCE6BLUEZEROCB (Wired)

#### Airzone Zone Thermostat Graphic interface with

low-energy e-ink screen for controlling zones



AZCE6THINKRB (Wireless)

#### Airzone Zone Thermostat

> Thermostat with buttons for controlling the temperature



AZCE6LITECB (Wired) AZCE6LITERB (Wireless)

## Compatibility

Compati	bi	lity							(	SI	k	14	lir	-											V	Ŧ	?!	1	I۱	V	<del> </del>					
•					F	-DXI	M-F9	)			_	A-A				Α	DEA	-A			FΧ	DQ	-A3								κςQ	-A				
Numb motorised dan		Reference	Dimensions H x W x D (mm)	Ø (mm)	25	35	50	60	35	50	60	71	100	125	140	71	100	125	15	20	25	32	40	50	63	15	20	25	32	40	50	63	80	100	125	140
		AZEZ6DAIST07XS2																								•	•	•	•					П	П	
	2	AZEZ6DAIST07S2	200 020 454						•	•																				•	•					
	3	AZEZ6DAIST07XS3	300 x 930 x 454																							•	•	•	•							
	3	AZEZ6DAIST07S3							•	•																				•	•					
	4	AZEZ6DAIST07S4	200 1140 454						•	•																				•	•					
	4	AZEZ6DAIST07M4	300 x 1,140 x 454								•	•				•																•	•			
Standard plenum	5	AZEZ6DAIST07M5	300 x 1,425 x 454	200							•	•				•																•	•			
	٥	AZEZ6DAIST07L5	300 X 1,423 X 454	200									•	•	•		•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454								•	•				•																•	•			
	0	AZEZ6DAIST07L6	300 X 1,038 X 454										•	•	•		•	•																•	•	
	7	AZEZ6DAIST07L7											•	•	•		•	•																•	•	
	'	AZEZ6DAIST07XL7	515 x 1,425 x 454																																	•
	8	AZEZ6DAIST07L8	515 X 1,425 X 454										•	•	•		•	•																•	•	
	0	AZEZ6DAIST07XL8																																		•
		AZEZ6DAIBS07XS2																								•	•	•	•							
	2	AZEZ6DAIBS07S2							•	•																				•	•					
		AZEZ6DAIBS07XS3	250 x 930 x 454																							•	•	•	•							
	3	AZEZ6DAIBS07S3							•	•																				•	•					
		AZEZ6DAIBS07M3									•	•				•																•	•			
		AZEZ6DAIBS07S4							•	•																				•	•					
Medium plenum	4	AZEZ6DAIBS07M4	250 x 1,140 x 454								•	•				•																•	•			
		AZEZ6DAIBS07L4		200									•	•	•		•	•																•	•	
		AZEZ6DAIBS07S5							•	•																				•	•					
0.0000 CX	_	AZEZ6DAIBS07M5	250 1 425 454								•	•				•																•	•			
	5	AZEZ6DAIBS07L5	250 x 1,425 x 454										•	•	•		•	•																•	•	
		AZEZ6DAIBS07XL5																																		•
		AZEZ6DAIBS07M6									•	•				•																•	•			
	6	AZEZ6DAIBS07L6	250 x 1,638 x 454										•	•	•		•	•																•	•	
		AZEZ6DAIBS07XL6	1																																	•
Slim plenum	2	AZEZ6DAISL01S2	210 720 444		•	•													•	•	•	•														
Sim pienum	3	AZEZ6DAISL01S3	210 x 720 x 444	200	•	•		T											•	•	•	•														
	4	AZEZ6DAISL01M4	210 x 930 x 444	200																			•	•												
	5	AZEZ6DAISL01L5	210 x 1.140 x 444	1			•	•											İ						•	İ										

(1) Reversible units can be blocked to heating only via AZX6MCS module



## Slim concealed ceiling unit

#### Compact concealed ceiling unit, with a height of only 200mm

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- > Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- > Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- > Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Onecta app (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption



More details and final information can be found by scanning or clicking the QR codes.

RZAG-A FDXM-F9

Efficiency data		FC	DXM + RZAG	35F9 + 35A	50F9 + 50A	60F9 + 60A			
Cooling capacity	Min./Nor	n./Max.	kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5			
Heating capacity	Min./Nor	n./Max.	kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50			
Space cooling	Energy et	fficiency class			A+				
-	Capacity	Pdesign	kW	3.50	5.00	6.00			
	SEER			5.	.90	5.70			
	Annual e	nergy consumption	kWh/a	208	296	368			
Space heating	Energy e	fficiency class	ĺ		A				
(Average climate)	Capacity		kW	3.50	4.30	4.50			
	SCOP/A				3.90				
	Annual e	nergy consumption	kWh/a	1,255	1,544	1,616			
Indoor unit			FDXM	35F9	50F9	60F9			
Dimensions	Unit	HeightxWidthxDepth	mm	200x750x620		50x620			
Weight	Unit	g.icatriatiiaDeptii	kg	21		18			
Air filter	Туре		ı,g	<u> </u>	Removable / washable				
Fan	Air flow	Cooling Low/Medium/l	High m³/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0			
	rate	Heating Low/Medium/I		7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0			
	External stati pressure		Pa	30		10			
Sound power level	Cooling		dBA	53.0	55.0	56.0			
	Heating		dBA	53.0	55.0	56.0			
Sound pressure	Cooling	Low/High	dBA	27.0/35.0	30.0	/38.0			
level	Heating	Low/High	dBA	27.0/35.0	30.0	/38.0			
Control systems	Infrared r	remote control			BRC4C65				
	Wired rer	mote control		BF	RC1H52W/S/K, BRC1E53A/B/C, BRC1E	052			
Outdoor unit			RZAG	35A	50A	60A			
Dimensions	Unit	HeightxWidthxDepth	mm		734x870x373	501.			
Weight	Unit		kg		52				
Sound power level			dBA	62.0	63.0	64.0			
	Heating		dBA	62.0	63.0	64.0			
Sound pressure	Cooling	Nom.	dBA	48.0	49.0	50.0			
level	Heating	Nom.	dBA	48.0	49.0	50.0			
Operation range	Cooling	Ambient Min.~Max.	°CDB		-20~52				
_	Heating	Ambient Min.~Max.	°CWB		-20~24				
Refrigerant	Type/GW	P	İ		R-32/675.0				
	Charge		kg/TCO2Eq		1.55/1.05				
Piping connections	Liquid/Ga	s OD	mm	6.35/9.52	6.35	7/12.7			
-	Piping	OU - IU Max.	m		50				
	length	System Chargeless	m		30				
	Addition	al refrigerant charge	kg/m	0.	.02 (for piping length exceeding 30	m)			
	Level difference IU - OU Max. m			30.0					
	Level uniterent	ower supply Phase/Frequency/Voltage Hz/V			/V 1~/50/220-240				

option

#### BLUEVOLUTION

## Slim concealed ceiling unit

## Compact concealed ceiling unit, with a height of only 200mm

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- > Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet.



More details and final information can be found by scanning or

clicking the QR codes. FDXM-F9 RXM-R RXM-R9 RXM-A

option

Efficiency data			FDXM + RXM	25F9 + 25R9	35F9 + 35R9	50F9 + 50A	60F9 + 60R
Cooling capacity	Nom.		kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Nom./Ma	ıx.	kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy ef	fficiency class		A+	A	A+	Α
	Capacity	Pdesign	kW	2.40	3.40	5.00	6.00
	SEER			5.68	5.26	5.77	5.56
	Annual e	nergy consumption	kWh/a	148	226	303	378
Space heating	Energy ef	fficiency class		A+	A	1	4
(Average climate)	Capacity	Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A			4.24	3.88	3.93	3.80
	Annual e	nergy consumption	kWh/a	858	1,046	1,424	1,693
Indoor unit			FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth	mm	200x7	50x620	200x1,1	50x620
Weight	Unit		kg	2	21	2	8
Air filter	Type				Removabl	e/washable	
Fan	Air flow	Cooling Low/Mediu	m/High m³/min	7.3/8	.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	rate	Heating Low/Mediu	m/High m³/min	7.3/8	.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	External stati pressure	c Nom.	Pa	3	0	4	0
Sound power level	Cooling		dBA	53	3.0	55.0	56.0
	Heating		dBA	53	3.0	55.0	56.0
Sound pressure	Cooling	Low/High	dBA	27.0	/35.0	30.0	/38.0
level	Heating	Low/High	dBA	27.0	/35.0	30.0	/38.0
						NEW	
Outdoor unit			RXM	25R9	35R9	50A	60R
Dimensions	Unit	HeightxWidthxDepth	mm	552x8	40x350	734x9	54×401

							NEW	
Outdoor unit				RXM	25R9	35R9	50A	60R
Dimensions	Unit	HeightxV	VidthxDepth	mm	552x84	10x350	734x954	4x401
Weight	Unit			kg	3	2	49.0	0
Sound pressure	Cooling	Nom.		dBA	46.0	49.0	48.	0
level	Heating	Nom.		dBA	47.0	49.0	49.0	0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10-	~46	
	Heating	Ambient	Min.~Max.	°CWB		-15	~18	
Refrigerant	Type				R-	32	R-3	2
	GWP				67	75	675.	0
	Charge			kg/TCO2Eq	0.76	/0.52	1.15/0.	780
Piping connection:	s Liquid	OD		mm		6.	35	
	Gas	OD		mm	9.	50	12.7	7
	Piping	OU - IU	Max.	m	2	0	30	
	length	System	Chargeless	m	1	0	10	
	Addition	al refrigera	nt charge	kg/m	0.02 (for piping len	gth exceeding 10m)	0.02 (for piping leng	th exceeding 10m)
	Level difference	e IU - OU	Max.	m	1	5	20.0	0
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /2	220-240	1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			Α	1	3	16	



## Concealed ceiling unit with medium ESP

#### Slimmest yet most powerful medium static pressure unit on the market

- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Low operation sound level down to 25dBA
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Optional fresh air intake
- > Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- > Standard built-in drain pump with 625mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FBA-A(9)

RZAG-A

RZAG-NV1 RZAG-NY1

Cooling capacity Heating capacity			FB/	+ RZAG	35A9+35/	A 50A9+50A	60A9+60A	71A9+71NV1	100A+100NV1	125A+125NV1	140A+140NV1	71A9+71NY1	100A+100NY1	125A+125NY1	140A+140N
Heating capacity	Min./Non	n./Max.		kW	1.6/3.5/5.0	0 1.7/5.0/6.0	1.7/6.0/7.0	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
	Min./Non	n./Max.		kW	1.40/4.00/5.0	1.70/6.00/6.00	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling		ficiency cla	ass				A++				-	A-	++		-
.,	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER		<b>_</b>		6.12	6.30	6.15	6.50	6.47	6.56	6.42	6.50	6.47	6.56	6.42
	ns,c			%			-			259	254			259	254
		nergy cons	umption	kWh/a	200	278	341	366	514	1.107	1,252	366	514	1,107	1,252
Space heating		ficiency cla					A+			, -	-	А	+	, ,	-
(Average climate)	Capacity		Pdesign	kW	4.20	4.30	4.50	4.70	7.80	9.	.52	4.70	7.80	9.	.52
	SCOP/A		<b>J</b>			4.10		4.20	4.36	4.37	4.34	4.20	4.36	4.37	4.34
	ηs,h			%			-			172	171			172	171
	-	nergy cons	umption	kWh/a	1,434	1,469	1,537	1,566	2,505	3,050	3,070	1,566	2,505	3,050	3,070
								,			,			,	
Indoor unit				FBA	35A9	50A9	60A9	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxV	VidthxDepth	mm		700x800	245x1,00		24.	5x1,400x8	300	245x1,000x800	24	5x1,400x8	300
Weight	Unit			kg	2	28.0	35	.0		46.0		35.0		46.0	
Air filter	Type									Resinnet		T			
Fan	Air flow	Cooling	Low/Medium/Hig			12.5/15.0	12.5/15		23.0/26.0/29.0		9.0/34.0	12.5/15.0/18.0			9.0/34.0
	rate	Heating	Low/Medium/Hig		10.5/1	12.5/15.0	12.5/15	.0/18.0	23.0/26.0/29.0		9.0/34.0		23.0/26.0/29.0		9.0/34.0
		c Nom./Hig	gh	Pa		30/	150		40/150	50,	/150	30/150	40/150	50/	/150
C	pressure			-IDA	<u> </u>		5.0	•	50.0		2.0	560	50.0		2.0
Sound power level				dBA		50.0	56		58.0		2.0	56.0	58.0		2.0
Sound pressure level	Cooling	Low/High		dBA		0/35.0	25.0/		30.0/34.0		/37.0	25.0/30.0			)/37.0
	Heating	Low/High		dBA	29.	0/37.0	25.0/	/31.0	30.0/36.0		/38.0	25.0/31.0	30.0/36.0	32.0	/38.0
Control systems		emote con					DDC111	F2\A//C ///		C65 / BRC		1F52C / DF	C1DF2		
D		note contr		11.07			BKCIH	52W/S/K	/ BRC1E53/			IE53C / BF	CID52		
Power supply		equency/V	oitage	Hz/V						60/220-2					
Piping connections	s Drain								VP20	(I.D. 20/O 625	.D. 26)				
Drain-up height				mm						025					
Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY
Dimensions	Unit	HeightxV	VidthxDepth	mm	1	734x870x37	73				870x1,1	00x460			
Weight	Unit			kg		52		81	85	9	95	81	85	g	94
Sound power level	Cooling			dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0		-	68	71			68	71
Sound pressure	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
level	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	5	52	48	50	5	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20 ~ 52					-20	~52			
	Heating	Ambient	Min.~Max.	°CWB		-20 ~ 24					-20	~18			
Refrigerant	Type/GW	P				R-32/675.0	)				R-32	2/675			
	Charge			kg/TCO2Eq		1.55/1.05		3.20	/2.16	3.70	/2.50	3.20	/2.16	3.70	/2.50
	s Liquid/Gas	s OD		mm	6.35/9.52	2 6.35	/12.7				9.52	/15.9			
Piping connections	Pipina	OU - IU	Max.	m		50		55		85		55		85	
Piping connection:	i ipiliy					-		75		100		75		100	
Piping connection	length	System	Equivalent	m											
Piping connection		System	Equivalent Chargeless	m m		30			1			10			
Piping connection			_									10 30			
Piping connection	length Level difference		Chargeless Max.	m m	0.02 (for pir	30	eeding 30m)			Se	3		ıal		
Piping connections	Level difference	e IU - OU	Chargeless Max. nt charge	m m	0.02 (for pip	30 30.0		/50 /220-2	240	Se	3	30	ıal 3~/50/		



## **Concealed ceiling unit** with medium ESP

#### Slimmest yet most powerful medium static pressure unit on the market

- > Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Low operation sound level down to 25dBA
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume

#### Optimised supply air volume

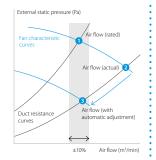
Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

much faster

Efficiency data

Why?
After installation the real ducting will frequently differ from the initially calculated air flow resistance

→ the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation





More details and final information can be found by scanning or clicking the QR codes.

FBA + RZASG 71A9 + 71MV1 100A + 100MV 125A + 125MV 140A + 140MV 100A + 100MY 125A + 125MY 140A + 140MY

FBA-A(9)

RZASG-MV1

RZASG-MV RZASG-MY

Linciency data			I DA	ILZA30	/ I// / / IIVI V I	IOOA I IOOMIV	IZJA I IZJIVI V	ITOM I ITOMIV	IOOA I IOOMII	1237 1 1231111	ITOA I ITON
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy et	fficiency cl	ass		A++	A+		-	A+		-
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				6.19	5.83	5.49	5.81	5.83	5.49	5.81
	ηs,c			%		-	217	229	-	217	229
		nergy con	sumption	kWh/a	385	570	1,322	1,384	570	1,322	1,384
Space heating		fficiency cl			A+	A	-,,===		Α	,,,,,,	- ,,
(Average climate)	Capacity		Pdesign	kW	4.50	6.	.00	7.80	6.	00	7.80
	SCOP/A				4.01	3.85	3.63		85	3.63	3.85
	ns,h			%		-	142	151	-	142	151
		nergy con	sumption	kWh/a	1,571	2,182	2,314	2,836	2,182	2,314	2,836
							<u> </u>		,		,
Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	Heightx\	WidthxDepth		245x1,000x800				00x800		
Weight	Unit			kg	35.0				5.0		
Air filter	Type			-		1		Resin net		1	
Fan	Air flow	Cooling	Low/Medium/High			20.0/24.5/29.0	-	9.0/34.0	20.0/24.5/29.0		0.0/34.0
	rate	Heating	Low/Medium/High			20.0/24.5/29.0		9.0/34.0	20.0/24.5/29.0		9.0/34.0
	External stati pressure	ic Nom.		Pa	30	40	5	0	40	5	0
Sound power level	Cooling			dBA	56.0	58.0	62	2.0	58.0	62	2.0
Sound pressure	Cooling	Low/Med	dium/High	dBA	25.0/28.0/30.0	30.0/32.0/34.0	32.0/3	5.0/37.0	30.0/32.0/34.0	32.0/3	5.0/37.0
level	Heating	Low/Med	dium/High	dBA	25.0/28.0/31.0	30.0/33.0/36.0	32.0/35	5.0/38.0	30.0/33.0/36.0	32.0/35	5.0/38.0
Control systems	Infrared r	remote cor	ntrol				BF	C4C65 / BRC4C	.66		
	Wired rer	mote conti	rol			BRC1H5	52W/S/K / BRC1E	53A / BRC1E53E	3 / BRC1E53C / E	3RC1D52	
Power supply	Phase/Fr	equency/\	oltage/	Hz/V			1~/	50/60/220-240/	220		
Outdoor unit				RZASG	71MV1	100MV	125MV	140MV	100MY	125MY	140MY
Dimensions	Unit	Heightx\	WidthxDepth	mm	770x900x320			990x9	40x320		
Weight	Unit			kg	60	7	72	79	7	72	79
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA		-	71	73	-	71	73
Sound pressure	Cooling	Nom.		dBA	46	5	53	54	5	53	54
level	Heating	Nom.		dBA	47			5	57		
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-15~46			
	Heating	Ambient	Min.~Max.	°CWB	İ			-15~15.5			
Refrigerant	Type/GW	'P						R-32/675			
3	Charge			kg/TCO2Eq	2.45/1.65	2.60	)/1.76	2.90/1.96	2.60	)/1.76	2.90/1.96
Piping connections		s OD		mm			-	9.52/15.9		-	
	Piping	OU - IU	Max.	m				50			
	length	System	Equivalent	m				70			
	-	-,5	Chargeless	m				30			
	Addition	al refrigera		kg/m			See	installation ma	nual		
	Level difference		Max.	m Kg/III			Jee	30.0	iiuui		
Power supply		equency/\		Hz/V		1~/50 /	220-240	50.0		3~/50 /380-415	
Current - 50Hz		n fuse amp		A	20	25		2		16	
Current - 30HZ	iviaxiiiiur	ii iuse amp	) (IVICA)	A		25	1 3	4		10	



## Concealed ceiling unit with medium ESP

#### Slimmest yet most powerful medium static pressure unit on the market

- > Ideal solution for small businesses and shops
- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Low operation sound level down to 25dBA
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Reduced energy consumption thanks to specially developed DC fan motor
- > Optional fresh air intake

Efficiency data

> Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



> Standard built-in drain pump with 625mm lift increases flexibility and installation speed

FBA + ARXM/AZAS 71A9 + ARXM71R 100A + AZAS100MV 125A + AZAS125MV 140A + AZAS140MV 100A + AZAS100MY 125A + AZAS125MY 140A + AZAS140MY

multi zoning option

More details and final information can be found by scanning or

clicking the QR codes. FBA-A(9) ARXM-R AZAS-MV AZAS-MY

Ellicicity data			1 0/1 / / / /	/\// \ <b>~</b> /\.	, 1112 : 1111/111/11/11/11	10011 1121101001111	IZSIT I ITZITSIZSITI	THORE I MEMBER	100/1 1 /LE/15/100/III	ILDIC I ILLICOTLISTIC	110/11/12/13/110/11
Cooling capacity	Nom./Ma	х.		kW	6.80/6.98	9.50/-	12.1/-	13.4/-	9.50/-	12.1/-	13.4/-
Heating capacity	Nom./Ma	х.		kW	7.50/7.66	10.8/-	13.5/-	15.5/-	10.8/-	13.5/-	15.5/-
Space cooling	Energy ef	ficiency cla	ass		1	A		-	Α		-
. 3	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER		<b>_</b>		5.57	5.7	5.2	5.7	5.7	5.2	5.7
	ηs,c			%		-	205	225	-	205	225
		nergy cons	sumption	kWh/a	427	633	1,497	1,418	633	1,497	1,418
Space heating		ficiency cla				A	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-	A	.,	-
(Average climate)	Capacity		Pdesign	kW	4.50		00	7.80		00	7.80
	SCOP/A					.81	3.55	3.85	3.81	3.55	3.85
	ηs,h			%		-	139	151	-	139	151
		nergy cons	sumption	kWh/a	1.652	2,205	2,366	2,836	2,205	2,366	2,836
	7 C.	icigy coils			, , , ,	· ,	· ·				
Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxV	VidthxDepth		245x1,000x800			245x1,4			
Weight	Unit			kg	35.0				5.0		
Air filter	Type							Resin net			
Fan	Air flow	Cooling	Low/Medium/Hig					9.0/34.0	20.0/24.5/29.0		9.0/34.0
	rate	Heating	Low/Medium/Hig	gh m³/min	-		23.5/29	9.0/34.0	20.0/24.5/29.0	23.5/29	9.0/34.0
	External stati	t Nom.		Pa	30	40	5	0	40	5	50
	pressure										
Sound power level				dBA	56.0	58.0		2.0	58.0		2.0
Sound pressure	Cooling		lium/High			30.0/32.0/34.0		5.0/37.0	30.0/32.0/34.0		5.0/37.0
level		Low/Med		dBA	25.0/28.0/31.0	30.0/33.0/36.0		5.0/38.0	30.0/33.0/36.0	32.0/35	5.0/38.0
Control systems	Infrared r	emote con	ntrol				BF	C4C65 / BRC4C	66		
	Wired rer	note contr	ol			BRC1H5	52W/S/K / BRC1E	53A / BRC1E53E	3 / BRC1E53C / E	RC1D52	
Power supply	Phase/Fre	equency/V	oltage	Hz/V			1~/	50/60/220-240/	220		
Outdoor unit			AR	XM/AZAS	ARXM71R	AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140M
Dimensions	Unit	HeightxV	VidthxDepth	mm	734x954x401		'	990x9	40x320		'
Weight	Unit			kg	49.0	7	72	79		2	79
Sound power level	Coolina			dBA	-	70	71	73	70	71	73
	Heating			dBA		-	71	73	-	71	73
Sound pressure	Cooling	Nom.		dBA	52.0		53	54	5	3	54
level	Heating	Nom.		dBA	52.0		-	5	7	-	
Operation range	Cooling		Min.~Max.	°CDB				-10~46	-		
			Min.~Max.	°CWB	-15~24				·15.5		
Refrigerant	Type/GW		TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT		.5 21			R-32/675	.5.5		
egerant	Charge			kg/TCO2Eg	1.15/0.780	2.60	)/1.76	2.90/1.96	2.60	/1.76	2.90/1.96
Piping connections		s OD		mm	11157 017 00	2.00	, 0	9.52/15.9	2.00	,, 0	215071150
r iping connections	Piping	OU - IU	Max.	m	_				0		
	length	System	Equivalent	m	-				0		
	J .	5,500111	Chargeless	m	-			30	<u> </u>		
								50			
	Addition	al refrigera						See installa	tion manual		
		al refrigera	nt charge	kg/m	0.035 (for piping length exceeding 10 m)				tion manual		
	Level difference	e IU - OU	nt charge Max.	kg/m m	0.035				0.0		
Power supply Current - 50Hz	Level difference		nt charge Max. oltage	kg/m	0.035 (for piping length exceeding 10m)		220-240		0.0	3~/50 /380-415 16	j

#### BLUEVOLUTION

## Concealed ceiling unit with medium ESP

## Slimmest yet most powerful medium static pressure unit on the market

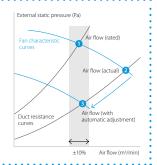
- Combination with split outdoor units is ideal for small retail, offices and residential applications
- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume

#### Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within  $\pm 10\%$ 

#### Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance → the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster





More details and final information can be found by scanning or clicking the QR codes.

FBA-A(9)

RXM-R

RXM-R9 RXM-A

Efficiency data			FBA + RXM	35A9 + 35R9	50A9 + 50A	60A9 + 60R			
Cooling capacity	Nom.		kW	3.40	5.00	5.70			
Heating capacity	Nom.		kW	4.00	5.50	7.00			
Space cooling	Energy eff	ficiency class		A-	++	A+			
	Capacity	Pdesign	kW	3.40	5.00	5.70			
	SEER			6.23	6.27	5.91			
	Annual en	ergy consumption	kWh/a	191	279	336			
Space heating	Energy eff	ficiency class			A+				
(Average climate)	Capacity	Pdesign	kW	2.90	4.40	4.60			
	SCOP/A			4.07	4.06	4.01			
	Annual en	nergy consumption	kWh/a	996	1,517	1,607			
Indoor unit			FBA	35A9	50A9	60A9			
Dimensions	Unit	HeightxWidthxDepth	mm	245x70	00x800	245x1,000x800			
Weight	Unit		kg	28	3.0	35.0			
Air filter	Type				Resin net				
Fan	Air flow	Cooling Low/Medium	n/High m³/min	10.5/12	2.5/15.0	12.5/15.0/18.0			
	rate	Heating Low/Medium	n/High m³/min	10.5/12	2.5/15.0	12.5/15.0/18.0			
	External static pressure	Nom.	Pa		30				
Sound power level	Cooling		dBA	60	0.0	56.0			
Sound pressure	Cooling	Low/Medium/High	dBA	29.0/32	2.0/35.0	25.0/28.0/30.0			
level	Heating	Low/Medium/High	dBA	29.0/3	4.0/37.0	25.0/28.0/31.0			
Control systems	Infrared re	emote control		BRC4C65 / BRC4C66					
	Wired rem	note control		BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					
Power supply	DI /F	quency/Voltage	Hz/V		1~/50/60/220-240/220				

						NEW	
Outdoor unit				RXM	35R9	50A	60R
Dimensions	Unit	HeightxV	WidthxDepth	mm	552x840x350	734x95	54x401
Weight	Unit			kg	32	49	9.0
Sound pressure	Cooling	Nom.		dBA	49.0	48	3.0
level	Heating	Nom.		dBA		49.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~18	
Refrigerant	Type					R-32	
	GWP					675.0	
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0	0.780
Piping connection	s Liquid	OD		mm		6.35	
	Gas	OD		mm	9.52	12	7
	Piping	OU - IU	Max.	m	20	3	0
	length	System	Chargeless	m		10	
	Addition	al refrigera	nt charge	kg/m	0.	02 (for piping length exceeding 10r	n)
	Level difference	e IU - OU	Max.	m	15	20	0.0
Power supply	Phase/Fr	equency/V	oltage/	Hz/V		1~/50 /220-240	
Current - 50Hz	Maximur	n fuse amp	os (MFA)	Α	13	1	6





## Concealed ceiling unit with high ESP

#### ESP up to 200 Pa, ideal for large sized spaces

- > High external static pressure up to 200Pa facilitates extensive duct and grille network
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- » Built-in drain pump (625mm) increases the flexibility and installation speed (standard for FDA125, optional for FDA200-250)
- > Standard supplied suction filter simplifies installation



More details and final information can be found by scanning or clicking the QR codes.

FDA	A		RZAG-NV1		RZAG-NY1	RZASG-MV1	RZASG-MV	RZASG-M'
					Sky Air	Alpha-series	Sky Air Ad	/ance-series
Efficiency data							Y1 FDA125A+RZASG125MV	
Cooling capacity	Nom.			kW			12.1	
Heating capacity	Nom.			kW			13.5	
Space cooling	Capacity		Pdesign	kW			12.1	
-	SEER					6.59	5	.03
	ηs,c			%		261	1	98
	Annual e	nergy cons	sumption	kWh/a		1,102	1,4	144
Space heating	Capacity		Pdesign	kW		9.52	6	.00
(Áverage climate)	SCOP/A					4.35	3	.58
	ηs,h			%		171	1	40
		nergy cons	sumption	kWh/a		3,064	2,	346
Indoor unit				FDA	125A	125A	125A	125A
Dimensions	Unit	HeightxV	WidthxDepth	mm		300	x1,400x700	
Weight	Unit			kg		500	45	
Required ceiling vo				mm			350	
Air filter	Туре					R	esin net	
Decoration panel	Model						BS125DJW1	
	Colour					Whit	e (10Y9/0.5)	
	Dimension	s HeiahtxV	WidthxDepth	mm			1,500x500	
	Weight			kg			6.5	
Fan	Air flow	Cooling	Low/High	m³/min		2	8.0/39.0	
	rate	Heating	Low/High	m³/min			8.0/39.0	
	External stati pressure	ic Nom./Hig		Pa			50/200	
Sound power level				dBA			66	
Sound pressure	Cooling	Low/High	h	dBA			33/40	
level	Heating	Low/High	h	dBA			33/40	
Control systems	Infrared r	remote con	ntrol	ĺ		BRC40	C65/BRC4C66	
•	Wired rer	mote contr	ol			BRC1H52W/S/K/BRC1E53/	A/BRC1E53B/BRC1E53C/BRC1E	052
Power supply	Phase/Fre	equency/V	/oltage	Hz/V		1~/50/6	0/220-240/220	
Piping connections	Drain					VP25 (I	.D. 25/O.D. 32)	
Outdoor unit					RZAG125NV1	RZAG125NY1	RZASG125MV	RZASG125MY
Dimensions	Unit	HeightxV	WidthxDepth	mm	870>	1,100x460	990x9	40x320
Weight	Unit			kg	95	94		72
Sound power level	Cooling			dBA		69		71
	Heating			dBA		68		-
Sound pressure	Cooling	Nom.		dBA		49		54
level	Heating	Nom.		dBA		52		58
Operation range	Cooling	Ambient	Min.~Max.	°CDB		20~52	-15	~46
	Heating	Ambient	Min.~Max.	°CWB		20~18	-15	~15.5
Refrigerant	Type/GW	P			R	-32/675	R-3	2/675
	Charge			kg/TCO2Eq	3.	70/2.50	2.60	)/1.76
Piping connections	Liquid/Ga			mm	9	52/15.9	9.52	2/15.9
	Piping	OU - IU	Max.	m		85		50
	length	System	Equivalent	m		100		70
			Chargeless	m		40		30
	Level differenc	e IU - OU	Max.	m		30	3	0.0
	Addition	al refrigera	int charge	kg/m	See insta	llation manual	See installa	tion manual
				11 // /	1~/50/220-240	3~/50/380-415	1~/50/220-240	3~/50/380-415
Power supply	Phase/Fre	equency/V	oltage	Hz/V	1~/30/220-240	3~/30/360-413	1~/30/220-240	3~/30/360-413



## Concealed ceiling unit with high ESP

#### ESP up to 250 Pa, ideal for large sized spaces

- > High external static pressure up to 250Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Optional drain pump
- > Standard supplied suction filter simplifies installation
- > Up to 26.4kW in heating mode



More details and final information can be found by scanning or clicking the QR codes.

FDA-A RZA-D

Efficiency data			FDA + RZA	200A + 200D	250A + 250D
Cooling capacity	Min./Nor	n./Max.	kW	-/19.0/-	-/22.0/-
Heating capacity	Min./Nor	n./Max.	kW	-/22.4/-	-/24.0/-
Space cooling	Capacity	Pdesign	kW	19.0	22.0
	SEER			6.26	5.38
	ηs,c		%	247	212
	Annual e	nergy consumption	kWh/a	1,821	2,455
Space heating	Capacity	Pdesign	kW	11.2	12.1
(Average climate)	SCOP/A			3.59	3.55
	ηs,h		%	141	139
	Annual e	nergy consumption	kWh/a	4,368	4,765
Indoor unit			FDA	200A	250A
Dimensions	Unit	HeightxWidthxDepth	mm	470x1,4	190x1,100
Weight	Unit		kg	104	115
Air filter	Туре		-	Res	innet
Fan	Air flow	Cooling Low/Medium/	High m³/min	36.0/50/64.0	43.0/56/69.0
	rate	Heating Low/Medium/	High m³/min	36.0/50.0/64.0	43.0/56.0/69.0
	External static pressure	Nom./High	Pa	62.	/250
Sound power level	Cooling		dBA	69.0	71.0
Sound pressure	Cooling	Low / Medium / High	dBA	36.0/39.0/43.0	37.0/40.0/44.0
level	Heating	Low / Medium / High	dBA	36.0/39.0/43.0	37.0/40.0/44.0
Control systems	Wired rer	mote control		BRC1H52W/S/K / BRC1E53A / B	BRC1E53B / BRC1E53C / BRC1D52
Piping connections	Drain			B:	SP1
Outdoor unit			RZA	200D	250D
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,7	100x460
Weight	Unit		kg	1	117
Sound power level	Cooling		dBA	73	76
	Heating		dBA	76	79
Sound pressure	Cooling	Nom.	dBA	53	57
level	Heating	Nom.	dBA	60	63
Operation range	Cooling	Ambient Min.~Max.	°CDB	-20	0~46
	Heating	Ambient Min.~Max.	°CWB	-20	)~15
Refrigerant	Type/GW	P		R-3:	2/675
	Charge		kg/TCO2Eq	5/:	3.38
Piping connections	Liquid/Ga	s OD	mm	9.52	2/22.2
-	Piping	OU - IU Max.	m	1	00
	length	System Chargeless	m		30
	Addition	al refrigerant charge	kg/m	See installa	ition manual
Power supply	Phase/Fre	equency/Voltage	Hz/V	3~/50	/380-415

## SkyAir Active-series

## Concealed ceiling unit

#### Ideal for residential applications with false ceilings

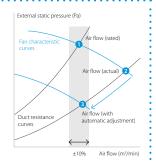
- Combination with split outdoor units is ideal for small retail, offices or residential applications
- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit

#### Optimised supply air volume

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within  $\pm 10\%$ 

#### Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance 
The real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature. Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster





More details and final information can be found by scanning or clicking the QR codes.



ADEA-A

ARXM-R

AZAS-MV

Efficiency data			ADEA + A	RXM / AZAS	71A + ARXM71R	100A + AZAS100MV	125A + AZAS125MV
Cooling capacity	Nom.			kW	6.80/6.98	9.50	12.10
Heating capacity	Nom.			kW	7.50/7.66	10.80	13.50
Space cooling	Energy ef	fficiency cla	ass		Α	A	-
,	Capacity		Pdesign	kW	6.80	9.50	12.10
	SEER				5.35	5.13	4.73
	ηs,c			%	445	-	186
		nergy cons	umption	kWh/a	Α	648	1,534
Space heating	Energy ef	fficiency cla	ass		6.00	A	-
(Áverage climate)	Capacity		Pdesign	kW	3.80	6.	00
	SCOP/A				2,209	3.81	3.50
	ηs,h			%		-	137
	Annual e	nergy cons	umption	kWh/a		2,206	2,399
Indoor unit				ADEA	71A	100A	125A
Dimensions	Unit	HeightxV	VidthxDepth	mm	245x1,000x800	245x1,4	00x800
Weight	Unit			kg	35.0	,	5.0
Air filter	Туре				<u>'</u>	Resin net	
Fan	Air flow	Cooling	Low/Medium/	High m³/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
	rate	Heating	Low/Medium/	High m³/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
	External stati pressure	c Nom./Hig	<b>jh</b>	Pa	30/150	40/150	50/150
Sound power level	Cooling			dBA	56	58	62
Sound pressure	Cooling	Low/Med	ium/High	dBA	25/28/30	30/32/34	32/35/37
level	Heating	Low/Med	ium/High	dBA	25/28/31	30/33/36	32/35/38
Control systems	Infrared r	emote con	trol			BRC4C65 / BRC4C66	
ŕ	Wired rer	note contr	ol		BRC1E5	3A / BRC1E53B / BRC1E53C / BRC	1D52
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/50 /220-240/220	
Outdoor unit			А	RXM / AZAS	ARXM71R	AZAS100MV	AZAS125MV
Dimensions	Unit	HeightxV	VidthxDepth	mm	734x954x401	990x9	40x320
Weight	Unit			kg	49.0	7	72
Sound power level	Cooling			dBA	-	70	71
	Heating			dBA	-	-	71
Sound pressure	Cooling	Nom.		dBA	52.0	5	53
level	Heating	Nom.		dBA	52.0	5	57
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10 ~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15 ·	~15.5
Refrigerant	Type/GW	Р				R-32/675	
	Charge			kg/TCO2Eq	1.15/0.780		/1.76
Piping connections	Liquid/Ga	s OD		mm		9.52/15.9	
	Piping	OU - IU	Max.	m		30	
	length	System	Equivalent	m	-		0
			Chargeless	m	-		30
	Addition	al refrigera	nt charge	kg/m	0.035 (for piping length exceeding 10m)	See installa	tion manual
	Level difference		Max.	m	20.0	30	0.0
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/50 /220-240	
i ower supply		n fuse amp		Α		25	32



## Wall mounted unit

#### For rooms with no false ceilings nor free floor space

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to
   5 different discharge angles that can be programmed via the remote control
- > Maintenance operations can be performed easily from the front of the unit
- > Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



71B + 71NV1 100B + 100NV1 71B + 71NY1 100B + 100NY1

More details and final information can be found by scanning or clicking the OR codes

Efficiency data

, ,			
clicking the QR codes.	FAA-B	RZAG-NV1	RZAG-NY1

FAA + RZAG

Elliciency data				AA T NZAG	/ ID T / INV I	IOOD T IOUNVI	/ ID T / IN I I	IUUD T IUUNI
Cooling capacity	Nom.			kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.			kW	7.50	10.80	7.50	10.80
Space cooling	Energy ef	fficiency cla	ass			A-	++	
	Capacity	Pdesign		kW	6.80	9.50	6.80	9.50
	SEER				6.58	6.42	6.58	6.42
	Annual er	nergy cons	sumption	kWh/a	362	518	362	518
Space heating	Energy ef	fficiency cla	ass			Α	+	
(Average climate)	Capacity	Pdesign		kW	4.70	7.80	4.70	7.80
	SCOP/A				4.20	4.01	4.20	4.01
	Annual e	nergy cons	sumption	kWh/a	1,567	2,725	1,567	2,725
Indoor unit				FAA	71B	100B	71B	100B
Dimensions	Unit	HeightxV	WidthxDepth	mm	290x1,050x269	340x1,200x262	290x1,050x269	340x1,200x262
Weight	Unit	gc.v		kg	14.0	18	14.0	18
Fan	Air flow	Coolina	Low/Medium/H		12.1/13.4/16.2	18.7/21.1/23.0	12.1/13.4/16.2	18.7/21.1/23.0
1 411	rate		Low/Medium/H	-	12.7/14.2/16.9	18.7/20.9/23.0	12.7/14.2/16.9	18.7/20.9/23.0
Sound power level	Cooling		2017/11/2010/11/11	dBA	61.0	65.0	61.0	65.0
souria porrei iere.	Heating			dBA	61.0	65.0	61.0	65.0
Sound pressure	Cooling	Low/Med	dium/High	dBA	40.0/42.0/45.0	41.0/45.0/49.0	40.0/42.0/45.0	41.0/45.0/49.0
level	Heating		dium/High	dBA	40.0/42.0/45.0	41.0/45.0/49.0	40.0/42.0/45.0	41.0/45.0/49.0
Power supply		equency/V		Hz/V	1010/ 1210/ 1310	1~/50/2		1110, 1510, 1510
Outdoor unit				RZAG	71NV1	100NV1	71NY1	100NY1
Dimensions	Unit	HeightxV	WidthxDepth	mm	7.1144.1	870x1,1		1001111
Weight	Unit			kg	81	85	81	85
Sound power level								
	Cooling			dBA l	64	66	64	66
Sound pressure		Nom.		dBA dBA	64 46	66	64 46	66 47
	Cooling	Nom.		dBA				
level	Cooling Heating	Nom.	Min.~Max.		46	47 50	46	47
level	Cooling	Nom. Ambient	Min.~Max. Min.~Max.	dBA dBA	46	47 50	46 48 ~52	47
level Operation range	Cooling Heating Cooling	Nom. Ambient Ambient		dBA dBA °CDB	46	47 50 -20	46 48 ~52 ~18	47
level Operation range	Cooling Heating Cooling Heating	Nom. Ambient Ambient		dBA dBA °CDB	46	47 50 -20 -20	46 48 ~52 ~18 /675	47
Operation range Refrigerant	Cooling Heating Cooling Heating Type/GW Charge	Nom. Ambient Ambient		dBA dBA °CDB °CWB	46	47 50 -20 -20 R-32	46 48 ~52 ~18 /675 /2.16	47
Operation range	Cooling Heating Cooling Heating Type/GW Charge	Nom. Ambient Ambient		dBA dBA °CDB °CWB	46	47 50 -20 -20 R-32 3.20	46 48 ~52 ~18 /675 /2.16	47
Operation range Refrigerant	Cooling Heating Cooling Heating Type/GW Charge	Nom. Ambient Ambient P	Min.~Max.	dBA dBA °CDB °CWB	46 48	47 50 -20 -20 R-32 3.20 9.52	46 48 ~52 ~18 /675 /2.16 /15.9	47 50
Operation range Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Siquid/Gas Piping	Nom. Ambient Ambient P s OD OU - IU	Min.~Max.	dBA dBA °CDB °CWB kg/TC02Eq mm m	46 48 55	47 50 -20 -20 R-32 3.20 9.52 85 100	46 48 ~52 ~18 /675 /2.16 /15.9	47 50
Operation range Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Siquid/Gas Piping length	Nom. Ambient Ambient P s OD OU - IU	Min.~Max.  Max.  Equivalent Chargeless	dBA dBA °CDB °CWB  kg/TC02Eq mm m m	46 48 55	47 50 -20 -20 R-32 3.20 9.52 85 100	46 48 ~52 ~18 /675 /2.16 /15.9 55 75	47 50
Operation range Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Siquid/Gas Piping length	Nom. Ambient Ambient P s OD OU - IU System al refrigera	Min.~Max.  Max.  Equivalent Chargeless	dBA dBA °CDB °CWB  kg/TC02Eq mm m m	46 48 55	47 50 -20 -20 R-32 3.20 9.52 85 100	46 48 ~52 ~18 /675 /2.16 /15.9 55 75 0	47 50
Sound pressure level Operation range Refrigerant Piping connections	Cooling Heating Cooling Heating Type/GW Charge Siquid/Gas Piping length  Additiona	Nom. Ambient Ambient P s OD OU - IU System al refrigera	Min.~Max.  Max. Equivalent Chargeless ant charge Max.	dBA dBA °CDB °CWB  kg/TC02Eq mm m m kg/m	46 48 55 75	47 50 -20 -20 R-32 3.20 9.52 85 100 4 See installar	46 48 ~52 ~18 /675 /2.16 /15.9 55 75 0	47 50 85 100



## Wall mounted unit

#### For rooms with no false ceilings nor free floor space

- > Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Can easily be installed in both new and refurbishment projects
- > The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- > Maintenance operations can be performed easily from the front of the unit
- > Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit



More details and final information can be found by scanning or clicking the OR codes

can be lound by		19 01					
clicking the QR	codes.			FAA-I	B RZAS	G-MV1 RZASG-MV	/ RZASG-N
Efficiency data			FAA -	RZASG	71B + 71MV1	100B + 100MV	100B + 100MY
Cooling capacity	Nom.			kW	6.80	9	50
Heating capacity	Nom.			kW	7.50	10	1.8
Space cooling	Energy ef	ficiency cla	ass		A++	A	+
	Capacity		Pdesign	kW	6.80	9.:	50
	SEER				6.41	5.	83
	ηs,c			%		-	
	Annual e	nergy cons	umption	kWh/a	371	57	70
Space heating	Energy ef	ficiency cla	ass			Α	
(Average climate)	Capacity		Pdesign	kW	4.50	6.1	00
	SCOP/A				3.90	3.3	85
	ηs,h			%		-	
	Annual e	nergy cons	umption	kWh/a	1,615	2,1	82
Indoor unit				FAA	71B	100B	100B
Dimensions	Unit	HeightxV	VidthxDepth	mm	290x1,050x269	340x1,2	00x262
Weight	Unit			kg	14.0	1	8
Fan	Air flow	Cooling	Low/Medium/High	m³/min	12.1/13.4/16.2	18.7/21	.1/23.0
	rate	Heating	Low/Medium/High		12.7/14.2/16.9	18.7/20	.9/23.0
Sound power level	Cooling			dBA	61.0	65	5.0
	Heating			dBA	61.0	65	5.0
Sound pressure	Cooling	Low/Med	lium/High	dBA	40.0/42.0/45.0	41.0/45	5.0/49.0
level	Heating	Low/Med	lium/High	dBA	40.0/42.0/45.0	41.0/45	.0/49.0
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/50 /220-240	
Outdoor unit				RZASG	71MV1	100MV	100MY
Dimensions	Unit	HeightxV	VidthxDepth	mm	770x900x320	990x94	40x320
Weight	Unit			kg	60	7	2
Sound power level	Cooling			dBA	65	7	0
Sound pressure	Cooling	Nom.		dBA	46	5	3
level	Heating	Nom.		dBA	47	5	7
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~15.5	
Refrigerant	Type/GW	Р				R-32/675	
	Charge			kg/TCO2Eq	2.45/1.65	2.60	/1.76
Piping connections	Liquid/ Gas	OD		mm		9.52/15.9	
	Piping	OU - IU	Max.	m		50	
	length	System	Equivalent	m		70	
			Chargeless	m		30	
	Addition	al refrigera	nt charge	kg/m		See installation manual	
	Level difference	IU - OU	Max.	m		30.0	
Power supply	Phase/Fre	equency/V	oltage	Hz/V	1~/50	/220-240	3~/50 /380-415
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α	20	25	16



100B + AZAS100MY

### Wall mounted unit

#### For rooms with no false ceilings nor free floor space

- > Ideal solution for small businesses and shops
- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to
   5 different discharge angles that can be programmed via the remote control
- > Maintenance operations can be performed easily from the front of the unit
- > Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

FAA + ARXM/AZAS



More details and final information can be found by scanning or clicking the QR codes.

Efficiency data

FAA-B ARXM-R AZAS-MV AZAS-MY

100B + AZAS100MV

Cooling capacity	Nom./Ma	x.	kW	6.80/6.95	9.50 /-			
Heating capacity	Nom./Ma	х.	kW	7.50/7.59	10.8 /-			
Space cooling	Energy ef	ficiency cla	ass	A+	Α			
	Capacity		Pdesign kW	6.80	9.50			
	SEER			5.77	5.25			
	Annual er	nergy cons	sumption kWh/a	412	633			
Space heating	Energy ef	ficiency cla	ass		Α			
	Capacity		Pdesign kW	4.50	6.00			
	SCOP/A			3.81	3.81			
	Annual er	nergy cons	umption kWh/a	1,652	2,205			
Indoor unit			FAA	71B	100B	100B		
Dimensions	Unit	HeightxW	VidthxDepth mm	290x1,050x269	340x1,200x			
Weight	Unit		kg	14.0	18			
Fan	Air flow	Cooling	Low/Medium/High m³/min	12.1/13.4/16.2	18.7/21.1/2	3.0		
	rate	Heating	Low/Medium/High m³/min	12.7/14.2/16.9	18.7/20.9/2	23.0		
Sound power level	Cooling		dBA	61.0	65.0			
	Heating		dBA	61.0	65.0			
Sound pressure	Cooling	Low/Med	lium/High dBA	40.0/42.0/45.0	41.0/45.0/4	19.0		
level	Heating	Low/Med	lium/High dBA	40.0/42.0/45.0	41.0/45.0/4	19.0		
Power supply	Phase/Fre	auency/V	oltage Hz/V	1~/50 /220-240	1~/50 /220-240			
1 Owel supply	T TIUSC/TTC	.quericy/ v	ortuge 112, v	1 /30/220 240	1 /30/220	240		
	T Huse/TTC	.quericy/ v	ARXM/AZAS	ARXM71R	AZAS100MV	AZAS100MY		
Outdoor unit	Unit					AZAS100MY		
Outdoor unit Dimensions			ARXM/AZAS	ARXM71R 734x954x401	AZAS100MV	AZAS100MY		
Outdoor unit Dimensions Weight	Unit Unit		ARXM/AZAS VidthxDepth mm	ARXM71R 734x954x401 49.0	<b>AZAS100MV</b> 990x940x	AZAS100MY		
Outdoor unit Dimensions Weight Sound power level Sound pressure	Unit Unit		ARXM/AZAS VidthxDepth mm kg	ARXM71R 734x954x401 49.0	<b>AZAS100MV</b> 990x940x 72	AZAS100MY		
Outdoor unit Dimensions Weight Sound power level Sound pressure	Unit Unit Cooling	HeightxW	ARXM/AZAS VidthxDepth mm kg dBA	ARXM71R 734x954x401 49.0 - 52.0	<b>AZAS100MV</b> 990x940x 72 70	AZAS100MY		
Outdoor unit Dimensions Weight Sound power level Sound pressure level	Unit Unit Cooling Cooling	HeightxW Nom. Nom.	ARXM/AZAS VidthxDepth mm kg dBA dBA	ARXM71R 734x954x401 49.0 - 52.0 52.0	990x940x 72 70 53	<b>AZAS100MY</b> 320		
Outdoor unit Dimensions Weight Sound power level Sound pressure level	Unit Unit Cooling Cooling Heating	Nom. Nom. Ambient	ARXM/AZAS VidthxDepth mm kg dBA dBA dBA	ARXM71R 734x954x401 49.0 - 52.0 52.0	990x940x 72 70 53 57	<b>AZAS100MY</b> 320		
Outdoor unit  Dimensions Weight Sound power level Sound pressure level Operation range	Unit Unit Cooling Cooling Heating Cooling	Nom. Nom. Ambient	ARXM/AZAS VidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB	ARXM71R 734x954x401 49.0 - 52.0 52.0	990x940x 72 70 53 57 -10~46	<b>AZAS100MY</b> 320		
Outdoor unit Dimensions Weight Sound power level Sound pressure level Operation range Refrigerant	Unit Unit Cooling Cooling Heating Cooling Heating	Nom. Nom. Ambient Ambient	ARXM/AZAS VidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB	ARXM71R 734x954x401 49.0 - 52.0 52.0 -15~24	990x940x 72 70 53 57 -10~46 -15~15.	<b>AZAS100MY</b> 320		
Outdoor unit  Dimensions  Weight  Sound power level  Sound pressure level  Operation range  Refrigerant	Unit Unit Cooling Cooling Heating Cooling Heating Type/GW Charge	Nom. Nom. Ambient	VidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB Min.~Max. °CWB	ARXM71R 734x954x401 49.0 - 52.0 52.0 52.0 -15~24	990x940x 72 70 53 57 -10~46 -15~15:	<b>AZAS100MY</b> 320		
Outdoor unit  Dimensions  Weight  Sound power level  Sound pressure level  Operation range  Refrigerant	Unit Unit Cooling Cooling Heating Cooling Heating Type/GW Charge Liquid/	Nom. Nom. Ambient Ambient	VidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB Min.~Max. %CWB	ARXM71R 734x954x401 49.0 - 52.0 52.0 -15~24 1.15/0.780	990x940x 72 70 53 57 -10~46 -15~15.: R-32/675	<b>AZAS100MY</b> 320		
Outdoor unit  Dimensions  Weight  Sound power level  Sound pressure level  Operation range  Refrigerant	Unit Unit Cooling Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas	Nom. Nom. Ambient Ambient P	ARXM/AZAS VidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB Min.~Max. °CWB	ARXM71R 734x954x401 49.0 - 52.0 52.0 -15~24  1.15/0.780	990x940x 72 70 53 57 -10~46 -15~15.1 R-32/675 2.60/1.7	<b>AZAS100MY</b> 320		
Outdoor unit  Dimensions  Weight  Sound power level  Sound pressure level  Operation range  Refrigerant	Unit Unit Cooling Cooling Heating Cooling Type/GW Charge Liquid/ Gas Piping	Nom. Nom. Ambient Ambient P OD	WidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB Min.~Max. °CWB	ARXM71R 734x954x401 49.0 - 52.0 52.0 -15~24 1.15/0.780	990x940x 72 70 53 57 -10~46 -15~15 R-32/675 2.60/1.7	<b>AZAS100MY</b> 320		
Outdoor unit Dimensions Weight Sound power level Sound pressure level Operation range Refrigerant Piping connections	Unit Unit Cooling Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping length	Nom. Nom. Ambient Ambient P OD OU-IU System	VidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB Min.~Max. °CWB  kg/TCO2Eq mm  Max. m Equivalent m Chargeless m	ARXM71R 734x954x401 49.0 - 52.0 52.0 -15~24 1.15/0.780	990x940x 72 70 53 57 -10~46 -15~15.1 R-32/675 2.60/1.7 9.52/15.9	AZAS100MY 320 6		
Outdoor unit Dimensions Weight Sound power level Sound pressure level Operation range Refrigerant Piping connections	Unit Unit Cooling Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping length	Nom. Nom. Ambient P OD OU - IU System al refrigera IU - OU	VidthxDepth mm kg dBA dBA dBA dBA Min.~Max. °CDB Min.~Max. °CWB  kg/TCO2Eq mm  Max. m Equivalent m Chargeless m	ARXM71R 734x954x401 49.0 52.0 52.0 -15~24  1.15/0.780  - 0.035 (for piping length exceeding 10m)	990x940x 72 70 53 57 -10~46 -15~15.1 R-32/675 2.60/1.7 9.52/15.9 30 50 30	AZAS100MY 320 6		
Outdoor unit  Dimensions Weight Sound power level Sound pressure level Operation range Refrigerant Piping connections	Unit Unit Cooling Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping length Additiona Level difference	Nom. Nom. Ambient P OD OU - IU System al refrigera IU - OU	ARXM/AZAS VidthxDepth mm kg dBA dBA dBA Min.~Max. °CDB Min.~Max. °CWB  kg/TCO2Eq mm  Max. m Equivalent m Chargeless m nt charge kg/m Max. m	ARXM71R 734x954x401 49.0 52.0 52.0 52.0 -15~24  1.15/0.780  - 0.035 (for piping length exceeding 10m) 20.0	990x940x 72 70 53 57 -10~46 -15~15.: R-32/675 2.60/1.7 9.52/15.9 30 See installation 30.0	AZAS100MY 320 6		

71B + ARXM71R





#### Wall mounted unit

## Attractive, wall mounted design with perfect indoor air quality

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- > Seasonal efficiency values up to A+++ in cooling and heating
- > Practically inaudible: the unit runs so quietly, you will almost forget it is there
- > Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energyefficient setting. (larger capacity area)
- > Onecta app: control your indoor from any location with an app, via your local network or internet
- > Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces



More details and final information can be found by scanning or clicking the QR codes.



RZAG-A

Efficiency data			FTXM	+ RZAG	35R + 35A	50R + 50A	60R + 60A
Cooling capacity	Min./Non	n./Max.		kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/6.8
Heating capacity	Min./Non	n./Max.		kW	1.40/4.00/5.30	1.50/6.00/6.50	1.60/7.00/7.50
Space cooling	Energy ef	ficiency cl	ass			A++	
_	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				7.70	7.41	6.90
	Annual er	nergy cons	sumption	kWh/a	159	236	304
Space heating		ficiency cl			,	A++	A+
(Average climate)	Capacity		Pdesign	kW	2.60	4.50	4.60
	SCOP/A			Ì	4	4.60	4.35
	Annual er	nergy cons	sumption	kWh/a	790	1,369	1,480
Indoor unit				FTXM	35R	50R	60R
Dimensions	Unit	HeightxV	VidthxDepth	mm	295x778x272	299x99	98x292
Weight	Unit			kg	10.0	14	.5
Air filter	Type					Removable/washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m³/min	4.2/6.0/7.8/11.3	8.3/11.4/14/15.8	9.1/11.8/14/16.7
		Heating	Silent operation/ Low/Medium/High	m³/min	4.9/6.5/8.5/9.8	10.5/12.0/14.2/15.8	11.1/12.4/15.2/16.5
Sound power level	Cooling			dBA	58	58.0	60.0
	Heating			dBA	54	58.0	59.0
Sound pressure	Cooling	Silent op	eration/Low/High	dBA	19/29/45	27.0/36.0/44.0	30.0/37.0/46.0
level	Heating	Silent op	eration/Low/High	dBA	20/28/39	31.0/34.0/43.0	33.0/36.0/45.0
Control systems	Infrared r	emote cor	ntrol			ARC466A67	
	Wired ren	note contr	ol			BRC073A1	
Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxV	VidthxDepth	mm		734x870x373	
Weight	Unit			kg		52	
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure	Cooling	Nom.		dBA	48.0	49.0	50.0
level	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20~52	
	Heating	Ambient	Min.~Max.	°CWB		-20~24	
Refrigerant	Type/GW	Р				R-32/675.0	
	Charge			kg/TCO2Eq		1.55/1.05	
Piping connections		OD		mm	6.35/9.52	6.35	/12.7
	Piping	OU - IU	Max.	m		50	
	length	System	Chargeless	m		30	
	Additiona	al refrigera	int charge	kg/m		0.02 (for piping length exceeding 30)	n)
	Level difference	IU - OU	Max.	m		30.0	
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/50/220-240	



## Ceiling suspended unit

#### For wide rooms with no false ceilings nor free floor space

- Combining with Sky Air Advance-series ensures good value for money for all types of commercial applications
- > Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



- > Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- Reduced energy consumption thanks to specially developed DC fan motor
- > 5 different fan speeds available for maximum comfort

**Efficiency data** 



More details and final information can be found by scanning or clicking the QR codes.

FHA + RZAG 35A9+35A 50A9+50A 60A9+60A 71A9+71NV1 100A+100NV1 125A+125NV1 140A+140NV1 71A9+71NV1 100A+100NV1 125A+125NV1 140A+140NV1

FHA-A(9)

RZAG-NV1

RZAG-A

RZAG-NY1

Cooling capacity	Min./Nor	n./Max.		kW	1.70/3.50/4.50	1.70/5.00/6.00	1.90/6.00/6.80	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nor	n./Max.		kW	1.40/4.00/5.50	1.70/5.80/6.50	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy et	fficiency cl	ass				A++				-	A-	++		-
	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.40	6.80	6.60	7.11	6.42	7.14	6.42	7.11	6.42	7.14	6.42
	ηs,c			%			-			283	254		-	283	254
	Annual e	nergy cons	sumption	kWh/a	191	257	318	335	518	1,017	1,253	335	518	1,017	1,253
Space heating	Energy et	fficiency cl	ass			A	١+		A++		-	A+	A++		-
(Average climate)	Capacity		Pdesign	kW	3.10	4.00	4.60	4.70	7.80	9.	52	4.70	7.80	9.	.52
	SCOP/A				4.10	4.30	4.20	4.32	4.61	4.20	4.30	4.32	4.61	4.20	4.30
	ηs,h			%			-			165	169		-	165	169
	Annual e	nergy cons	sumption	kWh/a	1,058	1,302	1,633	1,523	2,369	3,174	3,100	1,523	2,369	3,174	3,100
Indoor unit				FHA	35A9	50A9	60A9	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightyV	VidthxDepth	mm	1	50x690		70x690		5x1,590x6		235x1,270x690		5x1,590x6	
Weight	Unit	· · · · · · · · · · · · · · · · · · ·	пания срен	kg		27	32	34		41	.,,,	34		41	,,,,
Air filter	Type			ng.	20		32	_ J1		Resinnet		31	1		
Fan	Air flow	Cooling	Low/Medium/High	m³/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	14.0/17.0/20.5	20.0/24.0/28.0			14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34
	rate	Heating	Low/Medium/High												
Sound power level	Cooling			dBA			4.0	55.0	60.0	62.0	64.0	55.0	60.0	62.0	64.0
	Heating			dBA			4.0	55.0	60.0	62.0	64.0	55.0	60.0	62.0	64.0
Sound pressure	Cooling	Low/High	า						34.0/42.0						
level	Heating				34.0/36.0				38.0/42.0						
Control systems	Infrared r	remote cor	,						C7GA53-9						
, , , , , , , , , , , , , , , , , , ,		mote contr			BRC1D52	8 / BRC1H	51(9)W/S/k		152W/S/K/			181S7 / BRO	C1E53A/B/	C7 / BRC1H	182W/S/K
Power supply	Phase/Fre	equency/V	'oltage	Hz/V					1~/50/	60/220-24	40/220				
Piping connections	Drain									VP20					
Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxV	VidthxDepth	mm		34x870x3			1			00x460			,
Weight	Unit			kg		52		81	85	g	95	81	85	9	94
Sound power level				dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0		-	68	71		-	68	71
Sound pressure	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
level	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	5	52	48	50	5	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20 ~ 52					-20	~52			
	Heating	Ambient	Min.~Max.	°CWB		-20 ~ 24					-20	~18			
Refrigerant	Type/GW	'P				R-32/675.0	0				R-32	2/675			
	Charge			kg/TCO2Eq		1.55/1.05		3.20	)/2.16	3.70	/2.50	3.20	/2.16	3.70	/2.50
Piping connections	Liquid/Ga	s OD		mm	6.35/9.50	6.35	5/12.7				10/	15.9			
. •	Piping	OU - IU	Max.	m		50		55		85		55		85	
	length	System	Equivalent	m		-		75		100		75		100	
		•	Chargeless	m		30					4	10			
	Level difference	e IU - OU	Max.	m		30.0					3	30			
		al refrigera	nt charge	kg/m		or piping				Se	e installa	tion manı	ual		
					exc	eeding 3	UIII)	·							

1~/50 /220-240

20

32

Power supply

Current - 50Hz

Phase/Frequency/Voltage

Maximum fuse amps (MFA)

Hz/V

Α

3~/50/380-415

16



## Ceiling suspended unit

#### For wide rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- > Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- > Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- > 5 different fan speeds available for maximum comfort
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



More details and final information can be found by scanning or clicking the QR codes.

FHA-A(9)

RZASG-MV1

RZASG-MV

**RZASG-MY** 

Efficiency data			FHA -	RZASG	71A9 + 71MV1	100A + 100MV	125A + 125MV	140A + 140MV	100A + 100MY	125A + 125MY	140A + 140MY
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy ef	ficiency cla	ass		P	\+		-	A+		-
-	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.95	5.5	83	5.88	5.5	83	5.88
	ηs,c			%		-	230	232	-	230	232
	-	nergy cons	umption	kWh/a	400	570	1,246	1,368	570	1,246	1,368
Space heating		ficiency cla				A	, ,	-	Α	,	-
(Average climate)	Capacity	,	Pdesign	kW	4.50		00	7.80		00	7.80
	SCOP/A				3.90	3.91	3.83	3.81	3.91	3.83	3.81
	ηs,h			%		-	150	149	_	150	149
		nergy cons	umption	kWh/a	1,616	2,148	2,193	2,866	2,148	2,193	2,866
	/ Illiaai Ci	icigy cons	amption						,		
Indoor unit				FHA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxV	VidthxDepth	mm	235x1,270x690			235x1,5	90x690		
Weight	Unit			kg	34				1		
Air filter	Type							Resin net			
Fan	Air flow	Cooling	Low/Medium/High	m³/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
	rate	Heating	Low/Medium/High	m³/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dBA	55.0	60.0	62.0	64.0	60.0	62.0	64.0
	Heating			dBA	55.0	60.0	62.0	64.0	60.0	62.0	64.0
Sound pressure	Cooling	Low/High	1	dBA	34.0/38.0	34.0/42.0	37.0/44.0	38.0/46.0	34.0/42.0	37.0/44.0	38.0/46.0
level	Heating	Nom./Hig	jh	dBA	36.0/38.0	38.0/42.0	41.0/44.0	42.0/46.0	38.0/42.0	41.0/44.0	42.0/46.0
Control systems	Infrared r	emote con	trol				BRC7	GA53-9 / BRC7	GA56		
	Wired rer	note contr	ol			BRC1F	H52W/S/K; BRC1	E53A; BRC1E53E	3; BRC1E53C; BR	C1D52	
Power supply	Phase/Fre	equency/V	oltage	Hz/V			1~/	50/60/220-240/	220		
Piping connections	Drain							VP20			
Outdoor unit				RZASG	71MV1	100MV	125MV	140MV	100MY	125MY	140MY
Dimensions	Unit	Haiahtu\/	VidthxDepth	mm	770x900x320	IOONIV	1231414	990x9		1231411	14UNII
Weight	Unit	rieigiitxv	vidilixDeptili	kg	60	7	72	79	7 7		79
Sound power level				dBA	65	70	71	73	70	71	73
Sound power level									/ /0	/ / /	/3
	Haatina				05	70		-		71	72
Cound procesure	Heating	Nom		dBA		-	71	73	-	71	73
Sound pressure	Cooling	Nom.		dBA dBA	46	-		73 54		71	73 54
level	Cooling Heating	Nom.	M. M.	dBA dBA dBA		-	71	73 54	- 5 7		-
	Cooling Heating Cooling	Nom. Ambient	Min.~Max.	dBA dBA dBA °CDB	46	-	71	73 54 5 -15~46			-
level Operation range	Cooling Heating Cooling Heating	Nom. Ambient Ambient	Min.~Max. Min.~Max.	dBA dBA dBA	46	-	71	73 54 55 -15~46 -15~15.5			-
level	Cooling Heating Cooling Heating Type/GW	Nom. Ambient Ambient		dBA dBA dBA °CDB °CWB	46 47	5	71	73 54 5 -15~46 -15~15.5 R-32/675	7	3	54
level Department Properties Refrigerant	Cooling Heating Cooling Heating Type/GW Charge	Nom. Ambient Ambient P		dBA dBA dBA °CDB °CWB	46	5	71	73 54 54 -15~46 -15~15.5 R-32/675 2.90/1.96		3	-
level Operation range	Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas	Nom. Ambient Ambient P	Min.~Max.	dBA dBA dBA °CDB °CWB	46 47	5	71	73 54 55 -15~46 -15~15.5 R-32/675 2.90/1.96 9.52/15.9	7	3	54
level Department Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping	Nom. Ambient Ambient P OD OU - IU	Min.~Max.	dBA dBA dBA °CDB °CWB	46 47	5	71	73 54 55 -15~46 -15~15.5 R-32/675 2.90/1.96 9.52/15.9	7	3	54
level Department Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas	Nom. Ambient Ambient P	Min.~Max.	dBA dBA dBA °CDB °CWB	46 47	5	71	73 54 55 -15~46 -15~15.5 R-32/675 2.90/1.96 9.52/15.9 50 70	7	3	54
level Department Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping length	Nom. Ambient Ambient P OD OU - IU System	Min.~Max.	dBA dBA dBA °CDB °CWB kg/TC02Eq mm	46 47	5	71	73 54 55 -15~46 -15~15.5 R-32/675 2,90/1,96 9.52/15.9 50 70 30	7	3	54
level Operation range  Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping	Nom. Ambient Ambient P OD OU - IU System	Min.~Max.  Max. Equivalent	dBA dBA dBA °CDB °CWB kg/TCO2Eq mm	46 47	5	71	73 54 55 -15~46 -15~15.5 R-32/675 2.90/1.96 9.52/15.9 50 70	7	3	54
level Department Properties Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping length	Nom. Ambient Ambient P OD OU - IU System	Min.~Max.  Max. Equivalent Chargeless Max.	dBA dBA °CDB °CWB kg/TCO2Eq mm m	46 47	5	71 53 71 71 71 71 71 71 71 71 71 71 71 71 71	73 54 55 -15~46 -15~15.5 R-32/675 2,90/1,96 9.52/15.9 50 70 30	2.60	3	54
level Department Properties Refrigerant	Cooling Heating Cooling Heating Type/GW Charge Liquid/ Gas Piping length	Nom. Ambient Ambient P OD OU - IU System	Min.~Max.  Max.  Equivalent Chargeless Max. nt charge	dBA dBA dBA °CDB °CWB  Mg/TC02Eq mm m m m	46 47	2.60	71 53 71 71 71 71 71 71 71 71 71 71 71 71 71	73 54 54 -15~46 -15~15.5 R-32/675 2.90/1.96 9.52/15.9 50 70 30 30.0	7 2.60 nual	3	2.90/1.96



#### Ceiling suspended unit

#### For wide rooms with no false ceilings nor free floor space

- > Ideal solution for small businesses and shops
- > Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
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- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



More details and final information can be found by scanning or clicking the QR codes.

FHA-A(9)	AZAS-MV	AZAS-MY
111/1-/1/2/	\Z\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\\(\alpha\)-1\(\overline{1}\)

See installation manual

30.0

3~/50/380-415

16

Efficiency data			FHA + AZA	100A + 100MV	125A + 125MV	140A + 140MV	100A + 100MY	125A + 125MY	140A + 140MY		
Cooling capacity	Nom.		kV	9.50	12.1	13.4	9.50	12.1	13.4		
Heating capacity	Nom.		kV	10.8	13.5	15.5	10.8	13.5	15.5		
Space cooling	Energy ef	fficiency cl	ass	A+		-	A+		-		
	Capacity		Pdesign kV	9.50	12.1	13.4	9.50	12.1	13.4		
	SEER					5	.6				
	ηs,c		9				-				
	Annual e	nergy cons	sumption kWh/	ı			-				
Space heating		fficiency cl					-				
(Average climate)	Capacity		Pdesign kV	6.	6.00 7.80 6.00				7.80		
	SCOP/A			3.9	3	3.8	3.9	3	.8		
	ηs,h		9	)			-				
	Annual e	nergy cons	sumption kWh/	1			-				
Indoor unit			FH/	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxV	WidthxDepth mn	1	235x1,590x690						
Weight	Unit	The Ignition	k		41						
Air filter	Туре		<del>``</del>				n net				
Fan	Air flow	Cooling	Low/Medium/High m³/mi	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0		
	rate	Heating	Low/Medium/High m³/mi		23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0		
Sound power level	Cooling		dB/		62.0	64.0	60.0	62.0	64.0		
	Heating		dB/	60.0	62.0	64.0	60.0	62.0	64.0		
Sound pressure	Cooling	Low/Higl	h dB/	34.0/42.0	37.0/44.0	38.0/46.0	34.0/42.0	37.0/44.0	38.0/46.0		
level	Heating	Nom./Hi			41.0/44.0	42.0/46.0	38.0/42.0	41.0/44.0	42.0/46.0		
Control systems		emote cor	<b>,</b>		BRC7GA53-9 / BRC7GA56						
	Wired rer	note contr	rol	RC1H52W/S/K; BRC1E53A; BRC1E53B; BRC1E53C; BRC1D52							
Power supply		equency/V		,	1~/50/60/220-240/220						
Piping connections				VP20							
Outdoor Unit				AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140MY		
Dimensions	Unit	Heighty\	WidthxDepth mn	1	ALASIZSIVIV		40x320	AZASIZSIII I	AZASITOMI		
Weight	Unit	· icigiicii	k		72	79		'2	79		
Sound power level			dB/	'	71	72	70	71	72		
Journa porter tere.	Heating		dB/		71	72	70	71	72		
Sound pressure	Cooling	Nom.	dB/	-	54	55	53	54	55		
level	Heating	Nom.	dB/		58	59	57	58	59		
Operation range	Cooling		Min.~Max. °CD		30		~46				
operation range	Heating		ient Min.~Max. °CWB -15~15.5								
Refrigerant	Type/GW		······································	R-32/675							
Charge kg/TC02Ed											
Piping connections		s OD	mn								
,	Pipina	OU - IU	Max. n								
	length	System					50				
	-	-,500.11		m 50 m 30							

1~/50/220-240

32

Contains fluorinated greenhouse gases

Power supply

Current - 50Hz

Additional refrigerant charge

Level difference IU - OU Max.

Phase/Frequency/Voltage

Maximum fuse amps (MFA)

kg/m

Hz/V

Α

25

#### Ceiling suspended unit

#### For wide rooms with no false ceilings nor free floor space

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- > Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- > 5 different fan speeds available for maximum comfort
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



More details and final information can be found by scanning or clicking the QR codes.

FHA-A(9) RXM-R RXM-R9 RXM-A

Efficiency data			FHA + RXM	35A9 + 35R9	50A9 + 50A	60A9 + 60R		
Cooling capacity	Nom.		kW	3.40	5.00	5.70		
Heating capacity	Nom.		kW	4.00	6.00	7.20		
Space cooling	Energy ef	ficiency class		A++	А	A+		
	Capacity	Pdesign	kW	3.40	5.00	5.70		
	SEER			6.24	5.92	6.08		
	Annual e	nergy consumption	kWh/a	191	295	328		
Space heating	Energy et	fficiency class		A+		A		
(Average climate)	Capacity	Pdesign	kW	3.10	4.35	4.71		
	SCOP/A			4.43	3.86	3.87		
	Annual e	nergy consumption	kWh/a	979	1,577	1,704		
Indoor unit			FHA	35A9	50A9	60A9		
Dimensions	Unit	HeightxWidthxDepth	mm	235x960x690	235x960x690	235x1,270x690		
Weight	Unit		kg	26	27	32		
Air filter	Type			Resin net	Resi	n net		
Fan	Air flow	Cooling Low/Medium	'High m³/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5		
	rate	Heating Low/Medium	'High m³/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5		
Sound power level	Cooling		dBA	53.0	54	1.0		
	Heating		dBA	53.0	54	1.0		
Sound pressure	Cooling	Low/Medium/High	dBA	31.0/34.0/36.0	32.0/35.0/37.0	33.0/35.0/37.0		
level	Heating	Medium/Nom./High	dBA	31.0/34.0/36.0	32.0/35.0/37.0	33.0/35.0/37.0		
Control systems	Infrared r	emote control			BRC7GA53-9 / BRC7GA56			
	Wired remote control			BRC1H52W/S/K / BRC1E53A/B/C / BRC1D52				
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/60/220-240/220			

						NEW	
Outdoor unit				RXM	35R9	50A	60R
Dimensions	Unit	HeightxV	VidthxDepth	mm	552x840x350	734x95	4x401
Weight	Unit			kg	32	49	.0
Sound pressure	Cooling	Nom.		dBA	49.0	48	.0
level	Heating	Nom.		dBA		49.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10 ~ 46	
	Heating	Ambient	Min.~Max.	°CWB		-15 ~ 18	
Refrigerant	Туре					R-32	
G	GWP					675.0	
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0	.780
Piping connections	s Liquid	OD		mm		6.35	
	Gas	OD		mm	9.52	12	.7
	Piping	OU - IU	Max.	m	20	30	)
	length	System	Chargeless	m		10	
	Addition	al refrigera	int charge	kg/m	0	.02 (for piping length exceeding 10n	n)
	Level IU - OU Max. difference		m	15	20	.0	
Power supply	Phase/Fr	equency/V	oltage	Hz/V		1~/50 /220-240	
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α	13	16	5



# 4-way blow ceiling suspended unit

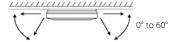
#### Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combining with Sky Air Advance-series ensures good value for money for all types of commercial applications
- > Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- > Unified indoor unit range for R-32 and R-410A
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!

RZAG-NV1



> 5 different discharge angles between 0 and 60° can be programmed via the remote control

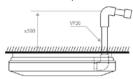


FUA-A

More details and final information can be found by scanning or clicking the QR codes.



- > Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- > Standard drain pump with 720mm lift increases flexibility and installation speed



Efficiency data				FUA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1	
Cooling capacity	Nom.			kW	6.80	9.50	12.1	6.80	9.50	12.1	
Heating capacity	Nom.			kW	7.50	10.8	13.5	7.50	10.8	13.5	
Space cooling	Energy et	ficiency cl	ass		Α	++	-	Α	++	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	6.80	9.50	12.1	
	SEER				7.02	6.42	6.39	7.02	6.42	6.39	
	ηs,c			%		-	253 -		-	253	
	Annual e	nergy cons	sumption	kWh/a	339	518	1,136	339	518	1,136	
Space heating	Energy e	ficiency cl	ass		,	<b>\</b> +	-	F	\+	-	
(Average climate)	Capacity		Pdesign	kW	4.70	7.80	9.52	4.70	7.80	9.52	
	SCOP/A				4.20	4.50	4.26	4.20	4.50	4.26	
	ηs,h			%		-	167		-	167	
	Annual e	nergy cons	umption	kWh/a	1,567	2,427	3,129	1,567	2,427	3,129	
Indoor unit				FUA	71A	100A	125A	71A	100A	125A	
Dimensions	Unit	HeightxV	VidthxDepth	mm			198x95	0x950	'		
Weight	Unit			kg	25.0	26	5.0	25.0	26	5.0	
Air filter	Туре						Resi	nnet			
Fan	Air flow	Cooling	Low/Medium/	High m³/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	
	rate	Heating	Low/Medium/	High m³/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	
Sound power level	Cooling			dBA	59	64	65	59	64	65	
Sound pressure	Cooling	Low/Higl	า	dBA	35/41	39/46	40/47	35/41	39/46	40/47	
level	Heating	Low/Higl		dBA	35/41	39/46	40/47	35/41	39/46	40/47	
Control systems	Wired rer	note contr	ol	ĺ		BRO	C1H52W/S/K / BRC	1E53A/B/C / BRC1	D52		
Piping connections	s Drain						VP25 (O	D Ø32.0)			
Outdoor unit				RZAG	71NV1	100NV1	125NV1	71NY1	100NY1	125NY1	
Dimensions	Unit	HeightxV	VidthxDepth	mm			870x1,1	00x460			
Weight	Unit			kg	81	85	95	81	85	94	
Sound power level	Cooling			dBA	64	66	69	64	66	69	
	Heating			dBA		-	68		-	68	
Sound pressure	Cooling	Nom.		dBA	46	47	49	46	47	49	
level	Heating	Nom.		dBA	48	50	52	48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-20	~52			
	Heating	Ambient	Min.~Max.	°CWB			-20	~18			
Refrigerant	Type/GW	P					R-32	/675			
	Charge			kg/TCO2Eq	3.20	0/2.16	3.70/2.50	3.20	/2.16	3.70/2.50	
Piping connections	s Liquid/Ga	s OD		mm			9.52	/15.9			
	Piping	OU - IU	Max.	m	55	8	35	55	8	5	
	i ipilig						00	75	10	00	
	length	System	Equivalent	m	13						
		System	Equivalent Chargeless	m m	,,,		4	0			
					73		3				
	Level difference	e IU - OU al refrigera	Chargeless Max. Int charge	m	73			0			
Power supply	Level difference	e IU - OU	Chargeless Max. Int charge	m m	,,,	1~/50 /220-240	3	0	3~/50 /380-415		

RZAG-NY1



R7ASG-MY

#### 4-way blow ceiling suspended unit

#### Unique Daikin unit for high rooms with no false ceilings nor free floor space

- > Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- > Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > 5 different discharge angles between 0 and 60° can be programmed via the remote control
- > Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- > Optimum comfort guaranteed with automatic air flow adjustment to the required load
- > Standard drain pump with 720mm lift increases flexibility and installation speed



R7ASG-MV

More details and final information can be found by scanning or clicking the QR codes.

Efficiency data			F	UA + RZASG	71A + 71MV1	100A + 100MV	125A + 125MV	100A + 100MY	125A + 125MY		
Cooling capacity	Nom.			kW	6.80	9.50	12.1	9.50	12.1		
Heating capacity	Nom.			kW	7.50	10.8	13.5	10.8	13.5		
Space cooling	Energy ef	ficiency cl	ass		A++	A+	-	A+	-		
	Capacity		Pdesign	kW	6.80	9.50	12.1	9.50	12.1		
	SEER				6.16	5.83	5.49	5.83	5.49		
	ηs,c			%	-	-	217	-	217		
	Annual e	nergy cons	sumption	kWh/a	386	570	1,322	570	1,322		
Space heating	Energy ef	ficiency cl	ass		Α	A+	-	A+	-		
(Average climate)	Capacity		Pdesign	kW	4.50		6.	00			
	SCOP/A				3.90	4.01	3.84	4.01	3.84		
_	ηs,h			%	-	-	151	-	151		
	Annual energy consumption			kWh/a	1,615	2,095	2,188	2,095	2,188		
Indoor unit				FUA	71A	100A	125A	100A	125A		
Dimensions	Unit	HeightxV	VidthxDepth	mm			198x950x950				
Weight	Unit			kg	25.0	26.0					
Air filter	Type						Resinnet				
Fan	Air flow	Cooling	Low/Medium/	High m³/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5		
	rate	Heating	Low/Medium/	'High m³/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5		
Sound power level	Cooling			dBA	59	64	65	64	65		
Sound pressure	Cooling	Low/High	h	dBA	35/41	39/46	40/47	39/46	40/47		
Sound pressure level	Cooling Heating	Low/High Low/High		dBA dBA	35/41 35/41	39/46 39/46	40/47 40/47	39/46 39/46	40/47 40/47		
	Heating		h			39/46		39/46			
level	Heating Wired rer	Low/High	h			39/46	40/47	39/46			
level Control systems	Heating Wired rer	Low/High	h			39/46	40/47 RC1E53A; BRC1E53B; B	39/46			

R7ASG-MV1

FUA-A

Outdoor unit				RZASG	71MV1	100MV	125MV	100MY	125MY	
Dimensions	Unit	HeightxV	VidthxDepth	mm	770x900x320		990x9	40x320		
Weight	Unit			kg	60		7	2		
Sound power level	Cooling			dBA	65	69	71	69	71	
	Heating			dBA	-			-		
Sound pressure	Cooling	Nom.		dBA	46	53	54	53	54	
level	Heating	Nom.		dBA	47	57	58	57	58	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15 ~46	-15~46	-15~46	-15~46	-15~46	
	Heating	Ambient	Min.~Max.	°CWB	-15 ~15.5	-15~15.5	-15~15.5	-15~15.5	-15~15.5	
	Type/GW	'P			R-32/675	R-32/675	R-32/675	R-32/675	R-32/675	
	Charge kg/TC02				2.45/1.65		2.60	/1.76		
Piping connections	Liquid/ Gas	OD		mm	9.52/15.9	9.52/15.9				
	Piping	OU - IU	Max.	m	50		5	0		
	length	System	Equivalent	m	70		7	0		
			Chargeless	m	30		3	0		
	Level difference	IU - OU	Max.	m	30.0		30	0.0		
	Additional refrigerant charge			kg/m	See installation manual	See installation manual				
Power supply	Phase/Fre	equency/V	oltage	Hz/V	1~/50 /220-240	1~/50 /2	220-240	3~/50/	380-415	
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α	20	25	32	1	16	



#### Floor standing unit

#### For commercial spaces with high ceilings

- > Combining with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- > Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- > Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- > Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E\*/BRC1H\*)





More details and final information can be found by scanning or clicking the OR codes

clicking the QR	codes.						FVA-A		RZAG-	-NV1	RZ	AG-NY1
Efficiency data			FV	A + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV	71A + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140N
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy e	fficiency c	lass		A+	-+		-	Α	++		-
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.34	6.40	6.41	6.12	6.34	6.40	6.41	6.12
	ηs,c			%	-		253	242		-	253	242
		nergy con	sumption	kWh/a	376	520	1,133	1,314	376	520	1,133	1,314
Space heating	Energy e	fficiency c	lass		А	+		-	Į.	\+		-
(Áverage climate)	Capacity		Pdesign	kW	4.70	7.80	9.	.52	4.70	7.80	9.	52
	SCOP/A				4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	ηs,h			%			163	155		-	163	155
		nergy con	sumption	kWh/a	1,625	2,600	3,209	3,383	1,625	2,600	3,209	3,383
Indoor unit				FVA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	∐oiahtv!	WidthxDepth		71A 1,850x600x270		1 <b>25A</b> 1,850x600x35		1,850x600x270	+	1 <b>25A</b> 1,850x600x35	
Weight	Unit	rieigiitx	widthxbepth		42		50	0	42	'	50	U
				kg	42		30	Daas			30	
Air filter	Type Air flow	Cooling	Low/Medium/	m³/min	14/16/18	22/25/28	24/26/20		n net	22/25/28	24/26/20	26/28/30
Fan	rate		High				24/26/28	26/28/30	14/16/18		24/26/28	
		Heating	Low/Medium/ High	m³/min	14/16/18	22/25/28	24/26/28	26/28/30	14/16/18	22/25/28	24/26/28	26/28/30
Sound power level	Cooling			dBA	55	62	63	65	55	62	63	65
Sound pressure	Cooling	Low/Hig	h	dBA	38/43	44/50	46/51	48/53	38/43	44/50	46/51	48/53
level	Heating	Nom./Hi	igh	dBA	41/43	47/50	48/51	51/53	41/43	47/50	48/51	51/53
Control systems	Wired re	mote cont	rol			BRC	1H52W/S/K/	BRC1E53A / B	RC1E53B / BR	C1E53C / BRC	1D52	
Power supply	Phase/Fr	equency/\	/oltage	Hz/V				1~/50/60/2	220-240/220			
Piping connections	Drain				I.D. 20/O.D. 26							
Outdoor unit				RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	Heightx\	WidthxDepth	mm				870x1,1	100x460			
Weight	Unit			kg	81	85	9	95	81	85	9	94
Sound power level	Cooling			dBA	64	66	69	70	64	66	69	70
•	Heating			dBA	-		68	71		-	68	71
Sound pressure	Cooling	Nom.		dBA	46	47	49	50	46	47	49	50
level	Heating	Nom.		dBA	48	50	-	52	48	50		52
Operation range	Cooling	Ambient	t Min.~Max.	°CDB					~52			
	Heating		t Min.~Max.	°CWB					~18			
Refrigerant	Type/GW								2/675			
egerane	Charge	•		kg/TCO2Eg	3.20/	/2 16	3 70	/2.50		)/2.16	3 70	/2.50
Piping connections		OD		mm	3.20/	2.10	3.70		2/15.9	,, 2.10	3.70	2.50
	Piping	OU - IU	Max.	m	55		85		55		85	
	length	System	Equivalent	m	75		100		75		100	
	-	эузсын	Chargeless	m	,,		100		10		100	
	Laval diffarance	<u> </u>						30				
Danier anna ali	Additional refrigerant charge kg/m Phase/Frequency/Voltage Hz/V											
Power supply				Hz/V								
Current - 50Hz	ıvıaxımuı	m fuse am <sub>l</sub>	ps (MFA)	A	20		32		16			



#### Floor standing unit

#### For commercial spaces with high ceilings

- > Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- > Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- > Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E\*/BRC1H\*)





More details and final information can be found by scanning or clicking the QR codes.

										1		
Efficiency data			FVA				/ 125A + 125MV					
Cooling capacity	Min./Nor			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4	
Heating capacity	Min./Nor			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5	
Space cooling		fficiency c			A+	A+		-	A+		- I	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4	
	SEER				5.83	5.72	5.52	5.63	5.72	5.52	5.63	
	ηs,c			%	-	-	218	222	-	218	222	
		nergy con	•	kWh/a	408	581 1,314		1,428	581	1,314	1,428	
Space heating (Average climate)		fficiency c			A+	Α -			Α		-	
(Average climate)	Capacity		Pdesign	kW	4.50		.00	7.80	-	00	7.80	
	SCOP/A				4.04	3.83	3.64	3.81	3.83	3.64	3.81	
	ηs,h			%	-	-	143	149	-	143	149	
	Annual e	nergy con	sumption	kWh/a	1,559	2,193	2,308	2,866	2,193	2,308	2,866	
Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	Heightx\	WidthxDepth	mm	1,850x600x270	1,850x600x350						
Weight	Unit			kg	42	50						
Air filter	Туре							Resinnet				
Fan	Air flow	Cooling	Low/Medium/Hig	h m³/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30	
	rate	Heating	Low/Medium/Hig	h m³/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30	
Sound power level	Cooling			dBA	55	62	63	65	62	63	65	
Sound pressure	Cooling	Low/Med	dium/High	dBA	38/41/43	44/47/50	46/48/51	48/51/53	44/47/50	46/48/51	48/51/53	
level	Heating	Medium	/Nom./High	dBA	38/41/43	44/47/50	46/48/51	48/51/53	44/47/50	46/48/51	48/51/53	
Control systems	Wired rer	note cont	rol			BRC1H:	52W/S/K / BRC1E	53A / BRC1E53I	3 / BRC1E53C / E	3RC1D52		
Power supply	Phase - F	requency	- Voltage	Hz - V		1~ - 50/60 - 220-240/220						
Outdoor unit				RZASG	71MV1	100MV	100MV 125MV 140MV 100MY 125MY				140MY	
Dimensions	Unit	Heiahtx\	WidthxDepth	mm	770x900x320		1	-	40x320	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Weight	Unit			kg	60		72	79		72	79	
Sound power level	Cooling			dBA	65	70	71	73	70	71	73	
•	Heating			dBA		-	71	73	-	71	73	
Sound pressure	Cooling	Nom.		dBA	46		53	54	5	53	54	
level	Heating	Nom.		dBA	47				57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-15~46				
	Heating	Ambient	Min.~Max.	°CWB				-15~15.5				
Refrigerant	Type/GW	'P						R-32/675				
	Charge			kg/TCO2Eq	2.45/1.65	2.60	0/1.76	2.90/1.96	2.60	)/1.76	2.90/1.96	
Piping connections	Liquid/Ga	s OD		mm				9.52/15.9				
	Piping	OU - IU	Max.	m				50				
	length	System	Equivalent	m				70				
			Chargeless	m				30				
	Addition	al refrigera	ant charge	kg/m	m See installation manual							
	Level difference	e IU - OU	Max.	m	m 30.0							
Power supply	Phase/Fre	equency/\	/oltage	Hz/V	1~/50 /220-240 3~/50 /380-415							
Current - 50Hz	Phase/Frequency/Voltage Hz/ Maximum fuse amps (MFA)				20	25 32			16			



#### Floor standing unit

#### For commercial spaces with high ceilings

- > Ideal solution for small businesses and shops
- > Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- > Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- > Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E\*/BRC1H\*)





More details and final information can be found by scanning or clicking the OR codes

clicking the QR	, ,	,,			FVA-A		AZAS-MV		AZAS-MY	
	coacs.				1 47 ( 7 (		712713 1111		7 (27 (3 17))	
Efficiency data			FVA + AZAS	100A + 100MV	125A + 125MV	140A + 140MV	100A + 100NY	125A + 125NY	140A + 140NY	
Cooling capacity	Nom.		kW	9.50	12.1	13.4	9.50	12.1	13.4	
Heating capacity	Nom.		kW	10.8	13.5	15.5	10.8	13.5	15.5	
Space cooling	Energy efficie	ncy class								
	Capacity	Pdesign	kW	9.50	12.1	13.4	9.50	12.1	13.4	
	SEER			5.5	5.3	5.4	5.5	5.3	5.4	
	ηs,c		%				-			
	Annual energ	y consumption	kWh/a							
Space heating	Energy efficie	ncy class		A+		-	A+		_	
(Average climate)	Capacity	Pdesign	kW	4.70	9.	52	7.80	9.	52	
	SCOP/A			3.8	3.6	3.8		3.6	3.8	
	ηs,h		%	-						
	Annual energy consumption kWI									
Indoorunit			FVΔ	100Δ	125∆	1404	100Δ	125∆	140Δ	

Indoor unit			FVA	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxWic	dthxDepth mm		1,850x600x350			1,850x600x350		
Weight	Unit		kg		50			50		
Air filter	Type					Resi	n net			
Fan	Air flow	Cooling L	.ow/Medium/High m³/min	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30	
	rate	Heating L	.ow/Medium/High m³/min	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30	
Sound power level	Cooling		dBA	62	63	65	62	63	65	
Sound pressure	Cooling	Low/High	dBA	44/50	46/51	48/53	44/50	46/51	48/53	
level	Heating	Nom./High	dBA	47/50	48/51	51/53	47/50	48/51	51/53	
Control systems	Wired rer	mote control		BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Fre	equency/Volt	tage Hz/V	1~/50/60/220-240/220						
Piping connections	Drain			I.D. 20/O.D. 26						

Diani				1.5.20/0.5.20							
			AZAS	100MV	125MV	140MV	100MY	125MY	140MY		
Unit	HeightxV	VidthxDepth	mm			990x9	40x320				
Unit			kg	7	2	79	7	2	79		
Cooling			dBA	70	71	72	70	71	72		
Heating			dBA	70	71	72	70	71	72		
Cooling	Nom.		dBA	53	54	55	53	54	55		
Heating	Nom.		dBA	57	58	59	57	58	59		
Cooling	Ambient	Min.~Max.	°CDB	B -10~46							
Heating	Ambient	Min.~Max.	°CWB	-15~15.5							
Type/GW	'P					R-32	2/675				
Charge			kg/TCO2Eq	2.60	/1.76	2.90/1.96					
Liquid/Ga	s OD		mm	9.52/15.9							
Piping	OU - IU	Max.	m			3	0				
length	System	Equivalent	m			5	0				
		Chargeless	m			3	30				
Addition	al refrigera	nt charge	kg/m			See installa	tion manual				
Level difference	e IU - OU	Max.	m			30	0.0				
Phase/Frequency/Voltage Hz/V			Hz/V	V 1~/50/220-240 3~/50/380-415							
Maximur	n fuse amp	s (MFA)	Α	25	3:	2		16			
	Unit Unit Cooling Heating Cooling Heating Cooling Heating Type/GW Charge Liquid/Ga Piping length Addition. Level differenc Phase/Fro	Unit HeightxV Unit Cooling Heating Cooling Nom. Heating Nom. Cooling Ambient Heating Ambient Type/GWP Charge Liquid/Gas OD Piping OU - IU length System  Additional refrigera Level difference IU - OU Phase/Frequency/V	Unit HeightxWidthxDepth Unit Cooling Heating Cooling Nom. Heating Nom. Cooling Ambient Min.~Max. Heating Ambient Min.~Max. Type/GWP Charge Liquid/Gas OD Piping OU - IU Max. length System Equivalent Chargeless Additional refrigerant charge Level difference IU - OU Max.	Unit HeightxWidthxDepth mm Unit kg Cooling dBA Heating dBA Cooling Nom. dBA Heating Nom. dBA Cooling Ambient Min.~Max. °CDB Heating Ambient Min.~Max. °CWB Type/GWP Charge kg/TCO2Eq Liquid/Gas OD mm Piping OU - IU Max. m length System Equivalent m Chargeless m Additional refrigerant charge kg/m Level difference IU - OU Max. m Phase/Frequency/Voltage	Unit HeightxWidthxDepth mm Unit kg 77 Cooling dBA 70 Heating dBA 70 Cooling Nom. dBA 53 Heating Nom. dBA 57 Cooling Ambient Min.~Max. °CDB Heating Ambient Min.~Max. °CDB Heating Ambient Min.~Max. CWB Type/GWP Charge kg/TCO2Eq 2.60. Liquid/Gas OD mm Piping OU - IU Max. m length System Equivalent m Chargeless m Additional refrigerant charge kg/m Level difference IU - OU Max. m Phase/Frequency/Voltage Hz/V	Max	March   Mar	March   Mar	Nom.   Max.		



#### Concealed floor standing unit

#### Designed to be concealed in walls

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- > Requires very little installation space as the depth is only 200mm
- > Its low height (620 mm) enables the unit to fit perfectly beneath a window
- > High ESP allows flexible installation



More details and final information can be found by scanning or clicking the QR codes.

FNA-A9 RZAG-A

Efficiency data			FNA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A
Cooling capacity	Min./Nor	n./Max.	kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nor	n./Max.	kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy et	ficiency class			A+	
	Capacity	Pdesign	kW	3.50	5.00	6.00
	SEER			5.9	00	5.70
	Annual e	nergy consumption	kWh/a	208	297	368
Space heating	Energy et	ficiency class			A	
(Average climate)	Capacity	Pdesign	kW	3.50	4.30	4.50
	SCOP/A				3.90	
	Annual e	nergy consumption	kWh/a	1,255	1,542	1,616
Indoor unit			FNA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth	mm	620/720x790x200	620/720x	1,190x200
Weight	Unit		kg	23.0		0.0
Air filter	Туре				Resin net	
Fan	Air flow	Cooling Low/High	m³/min	7.3/8.7	13.5/	/16.0
	rate	Heating Low/High	m³/min	7.3/8.7	13.5/	/16.0
	External stati	c Nom./High	Pa	30/48	40,	/49
Sound power level	Cooling		dBA	53.0	56	5.0
Sound pressure	Cooling	Low/Medium/High	dBA	28.0/31.0/33.0	30.0/33	3.0/36.0
level	Heating	Low/Nom./High	dBA	28.0/31.0/33.0	30.0/33	3.0/36.0
Control systems	Infrared r	emote control			BRC4C65	
	Wired rer	note control		BRC1H52W/S	/K / BRC1E53A / BRC1E53B / BRC1E5	3C / BRC1D52
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/60/220-240/220	
Outdoor unit			RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth	mm		734x870x373	
Weight	Unit		kg		52	
Sound power level	Cooling		dBA	62.0	63.0	64.0
	Heating		dBA	62.0	63.0	64.0
Sound pressure	Cooling	Nom.	dBA	48.0	49.0	50.0
level	Heating	Nom.	dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient Min.~Max.	°CDB		-20~52	
	Heating	Ambient Min.~Max.	°CWB		-20~24	
Refrigerant	Type/GW	P			R-32/675.0	
	Charge		kg/TCO2Eq		1.55/1.05	
Piping connections	-		mm	6.35/9.52		/12.7
	Piping	OU - IU Max.	m		50	
	length	System Chargeless	m		30	
		al refrigerant charge	kg/m	0.0	2 (for piping length exceeding 30	m)
	Level difference		m		30.0	
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/220-240	

RXM-A

#### Concealed floor standing unit

#### Designed to be concealed in walls

- > Combination with split outdoor units is ideal for small retail, offices and residential applications
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- > Requires very little installation space as the depth is only 200mm
- > Its low height (620 mm) enables the unit to fit perfectly beneath a window
- > High ESP allows flexible installation



RXM-R9

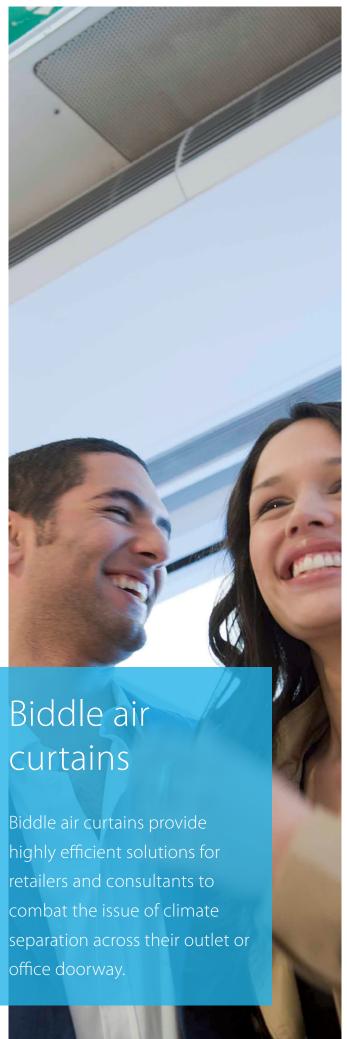
More details and final information can be found by scanning or clicking the QR codes.

cheking the Qit	coacs.			111717	.,	100011	10 (17) 113	10,000
Efficiency data				FNA + RXM	25A9 + 25R9	35A9 + 35R9	50A9 + 50A	60A9 + 60F
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Power input	Cooling		Nom.	kW	0.68	1.10	1.48	2.22
	Heating		Nom.	kW	0.80	1.15	1.74	2.25
Space cooling	Energy ef	fficiency cla	ass			A+		Α
	Capacity		Pdesign	kW	2.60	3.40	5.00	6.00
	SEER				5.68	5.70	5.77	5.56
	Annual e	nergy cons	umption	kWh/a	160	209	303	378
Space heating	Energy ef	fficiency cla	ass			A	<b>\</b> +	
(Average climate)	Capacity		Pdesign	kW	2.80	2.90	4.00	4.60
	SCOP/A				4.24	4.05	4.09	4.16
	Annual e	nergy cons	umption	kWh/a	924	1,002	1,368	1,547
Nominal efficiency	EER				3.80	3.09	3.38	2.70
	COP				4.00	3.48	3.34	3.11
	Annual e	nergy cons	umption	kWh	342	550	740	1,111
	Energy labe	ling Directive	Cooling/Heat	ing	A/A	B/B	A/C	D/D
Indoor unit				FNA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxV	VidthxDepth	mm	620/720	x790x200	620/720x	(1,190x200
Weight	Unit			kg	2	3.0	30	0.0
Air filter	Type					Resi	nnet	
Fan	Air flow	Cooling	Low/High	m³/min	7.3	3/8.7	13.5	/16.0
	rate	Heating	Low/High	m³/min	7.3	3/8.7	13.5	/16.0
	External stati pressure	c Nom./Hig	jh	Pa	30	0/48	40	)/49
Sound power level	Cooling			dBA	5	3.0	50	6.0
		Low/Med	ium/High	dBA	28.0/3	31.0/33.0	30.0/3	3.0/36.0
Sound pressure	Cooling	LOW, IVICO						
	Cooling Heating	Low/Non	n./High	dBA	28.0/3	31.0/33.0	30.0/3	3.0/36.0
Sound pressure level  Control systems	Heating			dBA	28.0/3		30.0/3 4C65	3.0/36.0
level	Heating Infrared r	Low/Non	trol	dBA			4C65	

FNA-A9

RXM-R

							NEW	
Outdoor unit				RXM	25R9	35R9	50A	60R
Dimensions	Unit	HeightxV	WidthxDepth	mm	552x84	10x350	734x95	4x401
Weight	Unit			kg	3	2	49	0
Sound pressure	Cooling	Nom.		dBA	46.0	49.0	48	0
level	Heating	Nom.		dBA	47.0		49.0	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10	)~46	
	Heating	Ambient	Min.~Max.	°CWB		-1:	5~18	
Refrigerant	Type					R	-32	
	GWP				67	75	675	.0
	Charge			kg/TCO2Eq	0.76/	0.52	1.15/0	.780
Piping connections	Liquid	OD		mm		6	.35	
	Gas	OD		mm	9.	52	12.	7
	Piping	OU - IU	Max.	m	2	0	30	)
	length	System	Chargeless	m			10	
	Addition	al refrigera	nt charge	kg/m		0.02 (for piping ler	igth exceeding 10m)	
	Level difference	e IU - OU	Max.	m	1:	5	20	0
Power supply	Phase/Fr	equency/V	oltage/	Hz/V		1~/50	/220-240	
Current - 50Hz	Maximur	n fuse amp	os (MFA)	Α	1:	3	16	

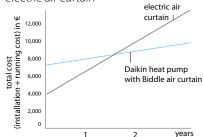


#### Benefits of Biddle air curtains

- > Connectable to ERQ and VRV units
- > Unified range for R-32 and R-410A refrigerant
- Patented rectifier technology achieves an air separation level of up to 85%, significantly reducing heat losses



 > payback period of less then 1.5 years compared to installing an electric air curtain



#### 3 different models to choose from:



Free-hanging model (F): easy wall mounted installation

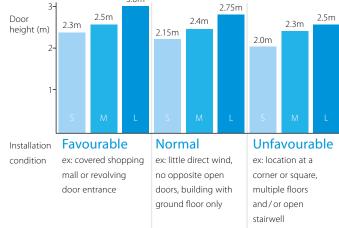


Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible

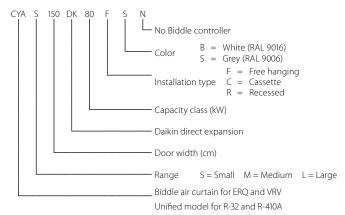


Recessed model (R): neatly concealed in the ceiling

#### Select your Biddle air curtain range



#### Biddle air curtain nomenclature



#### Biddle air curtain

- > Connectable to ERQ and VRV DX outdoor units
- > Unified model for R-32 and R-410A refrigerant
- > Free-hanging model (F): easy wall mounted installation
- > Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- > Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode (in case of VRV heat recovery)
- > Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- > PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity





More details and final information can be found by scanning or clicking the QR codes.

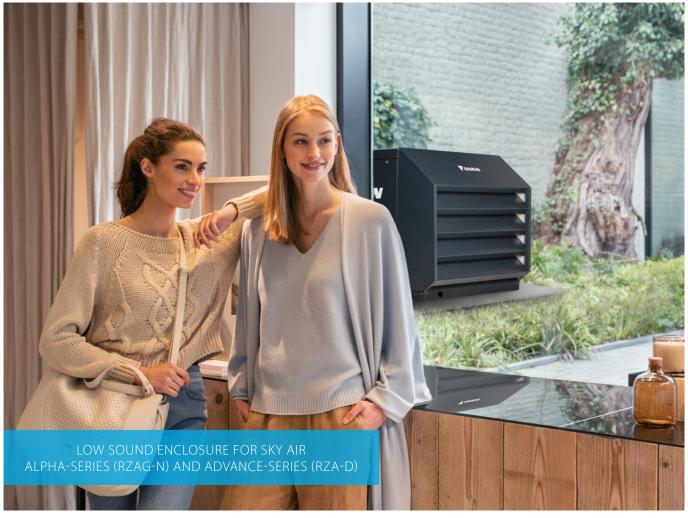


	RIDDI E COMEON	TAIR CURTAIN (CA)			Sm	nall			Med	lium	
	(BIDDLE COMPON	AINCONIAIN(CA)		CYAS100DK80 *BC/*SC	CYAS150DK80 *BC/*SC	CYAS200DK100 *BC/*SC	CYAS250DK140 *BC/*SC	CYAM100DK80 *BC/*SC	CYAM150DK80 *BC/*SC	CYAM200DK100 *BC/*SC	CYAM250DK140 *BC/*SC
Heating capacity	Speed 3		kW	7.40	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	19	1	5	16	17	14	13	15
Casing	Colour						BN: RAL9010 /	SN: RAL9006	5		
Dimensions	Unit	Height F/C/R	mm				270/27	70/270			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm				590/8	21/561			
Required ceiling vo	id >		mm				42	20			
Door height	Max.		m	2.3(1)/2.15(2)/2.0(3)	2.3(1)/2.15(2)/2.0(3)	2.3(1)/2.15(2)/2.0(3)	2.3(1)/2.15(2)/2.0(3)	2.5(1)/2.4(2)/2.3(3)	2.5(1)/2.4(2)/2.3(3)	2.5(1)/2.4(2)/2.3(3)	2.5(1)/2.4(2)/2.3(3)
Door width	Max.		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	56	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m³/h	1,164	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	47	49	50	51	50	51	53	54
Refrigerant	Type / GWP						R-32 R-410A				
Piping connections	Liquid/OD/Gas/C	)D	mm		9.52/15.9		9.52/19.1		9.52/15.9		9.52/19.1
Required accessorie	es (should be orde	ered separately)			Daikin wire	ed remote co	ntrol (BRC1H5	1(9)W/S/K / B	RC1E53A/B/C	/ BRC1D52)	
Power supply	Voltage		V				23	30			

					Lai	29.4 31.1 1.50 1.88 1.50 1.88 1.50 1.88 14 12  : RAL9010 / SN: RAL9006 370/370/370 /1,548 2,000/2,000/2,048 2,500/2,500/2,548 774/1,105/745 520											
				CYAL100DK125*BC/*SC	CYAL150DK200*BC/*SC	CYAL200DK250*BC/*SC	CYAL250DK250*BC/*SC										
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1										
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88										
	Heating	Nom.	kW	0.75	1.13	1.50	1.88										
Delta T	Speed 3		K	1:	5	14	12										
Casing	Colour				BN: RAL9010 /	' SN: RAL9006											
Dimensions	Unit	Height F/C/R	mm		370/37	70/370											
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548										
		Depth F/C/R	mm		774/1,1	05/745											
Required ceiling vo	id >		mm		52	20											
Door height	Max.		m	3.0(1)/2.75(2)/2.5(3)	3.0(1)/2.75(2)/2.5(3)	3.0(1)/2.75(2)/2.5(3)	3.0(1)/2.75(2)/2.5(3)										
Door width	Max.		m	1.0	1.5	2.0	2.5										
Weight	Unit		kg	76	100	126	157										
Fan-Air flow rate	Heating	Speed 3	m³/h	3,100	4,650	6,200	7,750										
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57										
Refrigerant	Type / GWP					2/675 /2,087.5											
Piping connections	Liquid/OD/Gas	J/OD	mm	9.52/15.9	9.52/19.1	9.52	/22.2										
Required accessorie	es (should be or	dered separately)		Daikin wire	d remote control (BRC1H5	51(9)W/S/K / BRC1E53A/B/C	/ BRC1D52)										
Power supply	Voltage		V		23	30											

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only (3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway



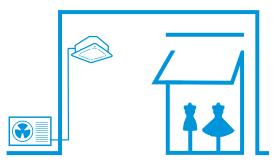


# Outdoor units

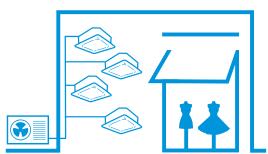
# A range of industry leading technology outdoor units

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Multi model and VRV range	
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Pair solution



Twin, triple, double twin solution



#### Products overview outdoor units



#### BLUEVOLUTION

#### Pair, twin, triple & double twin application

R-32 Sky Air A-series

System	Туре	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW	21.5 kW	23.6 kW
		Industry leading technology for commercial applications  - Dedicated solution for infrastructure cooling  - Variable Refrigerant Temperature (RZAG71-100-125-140 series)  - Maximum piping length up to 85m (50m for RZAG35-50-60)  - Replacement technology  - Extended operation range down to -20°C in both heating and cooling  - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	DZAC A				0	0	0	0		
Air cooled	Heat pump		RZASG- MV(1)/ MY				0	0	0	0		
		- Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZA-D								0	0
		- Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-R AZAS-					0	0	0		

## Benefits overview outdoor units

		Sky/li	Y Alpha-series	Sky/ir	Advance-series	Sky Air Active-series	Sky/Air Active-series
		RZAG-A	RZAG-NV1/NY1	RZASG- MV(1)/MY	RZA-D	AZAS-MV/MY	ARXM-R(9)
			0		0	0	
Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.	<b>A</b> ++ (A+++ - D)	(A+++ - D)	<b>A</b> + (A+++ - D)	-	(A+++ - D)	(A+++ - D)
Inverter technology	Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.	•	•	•	•	•	•
Replacement technology	Quick and quality system replacement in the most cost effective way	•	•	•	•	•	•
Night quiet  Auto cooling-heating	Lowers the operation sound of the outdoor unit automatically.	•	•	•	•	•	•
Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	•	•	•	•	•	•
Variable refrigeration	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.		•				
Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.		•	•	•		
Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	•	•	•	•	•	•
Guaranteed operation down to -20°C	Daikin is suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.	•	•		•		
Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	•	•				
Low sound enclosure	Dedicated Daikin developed and tested low sound enclosure, reducing sound power by up to -10 dB(A)		0		0		

#### Technical benefit overview

SkyAir A-series	ς
-----------------	---

•	Sky/li	<b>r</b> Alpha-series	Sky/ir	Advance-series	Sky Air Active-series	Sky/ir Active-series
	RZAG-A	RZAG-NV1/NY1	RZASG- MV(1)/MY	RZA-D	AZAS-MV/MY	ARXM-R(9)
Compact single fan casing on the entire range	•	•	•	•	•	•
Maximum piping length	50 m	85 m	50 m	100 m	30 m	30 m
Pivoting front plate		•		•		
7 segment display		•	•	•	•	•
Increased factory charge	•	•				
Integrated leak check		•				
Refrigerant bottom plate pass		•				
Specially deveoloped R-32 swing compressor	•	•	•	•	•	•
Refrigerant cooled PCB		•	•	•	•	•
Intelligent Tablet controller - Onecta app	0	0	0	0	0	0

• standard, • optional



# Low height. High value.



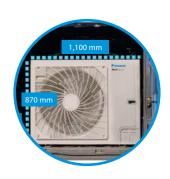
V

Unique, low-height single fan range



V

Compact unit, easy to transport



V

Market-leading serviceability and handling

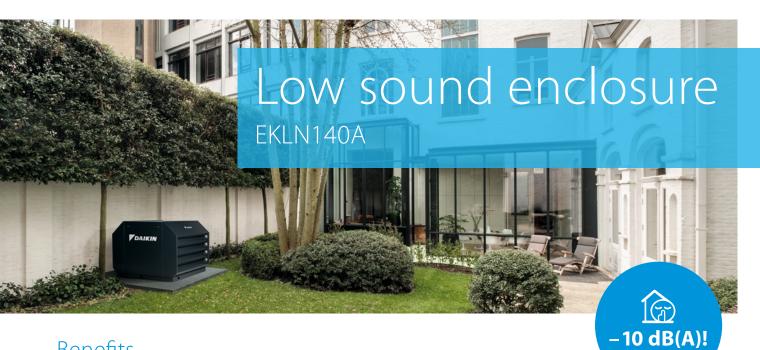


Fast and easy access to all critical component

- > Single screw access
- > Wider access area



Newly positioned handle for easier carrying



#### Benefits



- > Sky Air Alpha-series
- > Sky Air Advance-series
- > VRV 5 S-series

#### Fully optimised and tested in Daikin factory

> Guaranteed performance levels (sound, capacity, efficiency)

#### Outdoor unit sound reduction of up to -10 dB(A) on sound power levels

- > Enabling to meet local sound requirements
- > Increased flexibility to apply outdoor units
- > Reduces sound on the entire sound spectrum

#### Minimal capacity reduction

- > Separated air intake and discharge to prevent air flow short circuit
- > No additional calculations needed thanks to factory tested data

#### Easy to integrate

- > Anthracite (RAL 7016), highly aesthetic finishing
- > Mechanically designed to perfectly suit the Sky Air Alpha/ Advance and VRV 5 S-series casings
- > Self-supporting; can be installed on any flat surface

#### Fast & easy installation & servicing

- > 100 % weather resistant
- > Easy opening to access most system components

#### **Durable**

- > 3 years warranty on all components
- > Made of stainless steel with robust double layer powder coating, ensuring maximum corrosion resistance

#### Tried and tested: values that you can rely on

Our low sound enclosure eliminates possible problems and reduces your workload significantly:

- > **No incompatibilities** tested combinations with the outdoor unit that you want to encase
- > No surprises measured and guaranteed sound reduction according to ISO 3744
- > **No calculations** tested performance values for capacity and efficiency



ound power level measurement in acoustic chamber



Sound enclosure	•			EKLN140A
Casing	Colour			Anthracite (RAL 7016)
	Material			Sheet metal
Dimensions	Unit	Height	mm	1,100
		Width	mm	1,400
		Depth	mm	1,500
	Packed unit	Height	mm	1,017
		Width	mm	1,517
		Depth	mm	917
Weight	Unit		kg	152
	Packed unit		kg	186
Combines with	Sky Air Alpha-se	eries		RZAG-NV1/NY1
	Sky Air Advance-series			RZA-D
	VRV 5 S-series			RXYSA-AV1/AY1



#### The ultimate customer experience

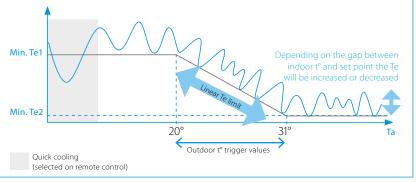




> The system automatically increases its evaporating temperature (Te) when the gap between the actual indoor temperature (Tin) and the setpoint (Tset) is becoming smaller, increasing comfort and providing more stable operation



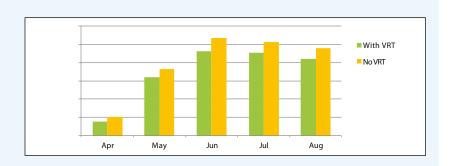
**V**ariable



#### Case study: JBC, Vilvoorde

- Two pair systems are installed in the same zone allowing comparison
- More energy efficient:
  up to 20% lower energy consumption

Average energy consumption over 5 months of operation



- Improved comfort: higher discharge temperatures
- > More stable and continuous operation
- > Average discharge temperature increased with 3~4°C





#### Benefits to increase your profit

#### Optimise your business

#### Less installation time

Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

#### Lower installation costs

Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

#### Replace non-Daikin systems

#### NON DAIKIN DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

#### Easy as one-two-three

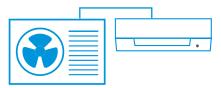
A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

#### How does it work?

#### The Daikin low-cost upgrade solution

#### Replace indoor units

Contact your local dealer to check compatibility in case you need to keep the indoor units.



Replace outdoor units

Learn more about Daikin replacement solutions at www.daikin.eu/en\_us/knowledge-center/ replacement-technology.html

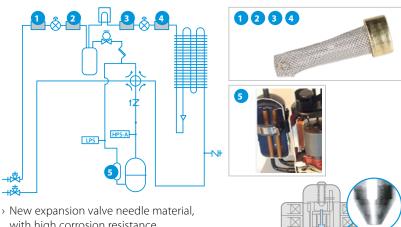
#### The benefits will convince your customer

- To prevent unexpected breakdown
- To lower running costs
- To protect the environment
- To improve comfort

Your copper pipes will last for multiple generations

#### Unique technologies

> Cleaning free piping re-usage thanks to unique hepta filtering for maximum particle reduction



with high corrosion resistance

> New type oil for maximum system protection





#### **Sky Air Alpha-series**

#### Industry leading technology for commercial applications and even for technical rooms

- > Unique, low-height single fan range
- > Compact dimensions allow almost unoticeable installation
- Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- > The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- > Suits high sensible, infrastructure cooling applications
- > Replace existing systems with R-32 technology without needing to replace the piping
- > Guarantees operation in both heating and cooling mode down to  $-20^{\circ}C$
- > Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- > Maximum piping length up to 85m (50m for RZAG-A)
- > Outdoor units for pair, twin, triple, double twin application
- > Combines with EKLN-A low sound enclosure



#### Comfort cooling combination table

				L'AHG-H					FCAG-B					FFA-A9		FDA-A		FDXM-F9					FBA-A(9)							FHA-A(9)				FAA-B			FTXM-R				FUA-A			FNA-A9			FVA-A		
capaci	ity class	71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125 1	140	35 5	50	60	71	100 1	25 1	40	71   1	00 3	35 5	50	60	71	71	100	125	35	50	60	71	100 1	25 1	40
RZAG35A						Р							P				Р			Р							Р									P							Р						
RZAG50A							Р							Р				Р			Р						- 1	P									P							Р					
RZAG60A								Р							Р				Р			Р							Р									Р							Р				П
RZAG71NV1	RZAG71NY1	Р				2			Р				2				2			2			Р				2			Р				Р						Р			2			Р			
RZAG100NV1	RZAG100NY1		Р			3	2			Р			3	2			3	2		3	2			Р			3	2			Р				Р						Р		3	2			Р		
RZAG125NV1	RZAG125NY1			Р		4	3	2			Р		4	3	2	Р	4	3	2	4	3	2			Р		4	3	2			Р										Р	4	3	2			Р	
RZAG140NV1	RZAG140NY1	2			Р	4	3		2			Р	4	3			4	3		4	3		2			Р	4	3		2			Р	2						2			4	3		2			P

P = pair application; 2/3/4 = twin/triple/double twin application

#### Infrastructure cooling combination table

_	24/7			FTXM-R		9 4 4 5					FHA-A(9)						3	FBA-A(9)					FDXM-F9			FUA-A		EN A AO				FVA-A			FFA-A9				ב לא					FCAG-B			
capaci	ty class	35	50	60	71	71	100	35	50	60	71   1	00 1	25 14	40 3	35	50	60	71	100	125 1	40	35	50	60	71   1	100 12	25 3	5 5	0 60	71	10	125	140	35	50	60	71	100	125	140	35	50	60	71	100 1	25 14	40
RZAG35A			P						Р							P							Р					F							Р							Р					
RZAG50A				P						Р							Р							Р					P							Р							Р				
RZAG60A					Р						P							P																										Р			
RZAG71NV1	RZAG71NY1						Р	3	2			P				2			Р			3	2			P	3	2	2		P			3	2			Р			3	2			Р		
RZAG100NV1	RZAG100NY1					2		4	3		2			P	4	3		2			Р	4	3		2		4	3	3				P	4	3		2			Р	4	3		2			P
RZAG125NV1	RZAG125NY1					2		4	3		2			Р	4	3		2			Р	4	3		2		4	. 3	3				Р	4	3		2			Р	4	3		2			P
RZAG140NV1	RZAG140NY1					2		4	3		2			P	4	3		2			Р	4	3		2		4	. 3	3				Р	4	3		2			Р	4	3		2			P

 $P = Pair, 2 = Twin, 3 = Triple, 4 = Double \ twin; For \ more \ information \ on \ infrastructure \ cooling \ options \ refer \ to \ infrastructure \ cooling \ catalogue.$ 

More details and final information can be found by scanning or clicking the QR codes.

RZAG-A RZ	AG-NV1	RZAG-NY
-----------	--------	---------

Indoor Unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxV	VidthxDepth	mm	7:	34x870x37	73				870x1,1	00x460			
Weight	Unit			kg		52		81	85	9	95	81	85	9	4
Sound power level	Cooling			dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0		-	68(1)	71(1)		-	68(1)	71(1)
Sound pressure	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
level	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	5	52	48	50	5	2
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-20~52					-20	~52			
	Heating	Ambient	Min.~Max.	°CWB		-20~24					-20	~18			
Refrigerant	Type/GW	'P				R-32/675.0	)				R-32	2/675			
	Charge			kg/TCO2Eq		1.55/1.05		3.20	)/2.16	3.70	/2.50	3.20	/2.16	3.70/	2.50
Piping connections	Liquid/Ga	s OD		mm	6.35/9.52	6.35	/12.7				9.52	/15.9			
	Piping	OU - IU	Max.	m		50		55		85		55		85	
	length	System	Equivalent	m		-		75		100		75		100	
			Chargeless	m		30					4	-0			
	Level difference	e IU - OU	Max.	m		30.0					3	0			
	Addition	al refrigera	nt charge	kg/m	0.02 (for pipi	ng length exc	eeding 30m)			Se	e installa	tion man	ual		
Power supply	Phase/Fre	equency/V	oltage	Hz/V			1~.	/50 /220-2	240				3~/50 /	380-415	
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α		-		20		32			1	6	

(1) According to ENER Lot 21  $\mid$  Contains fluorinated green house gases





#### **Sky Air Advance-series**

#### Technology and comfort combined for commercial applications

- > High efficiency:
  - Energy labels up to A++ (cooling) / A+ (heating)
- Compressor offers substantial efficiency improvements
- > Very compact and easy to install
- > Replace existing systems with R-32 technology without needing to replace the piping
- > Guarantees operation in both heating and cooling mode down to -15°C
- > Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- > Maximum piping length up to 50m, minimum piping length has no limitation
- > Outdoor units for pair, twin, triple, double twin application



#### Pair, twin, triple and double twin application

				ı	FCAG-	В				FFA-A	•	F	DXM-F	9			F	BA-A(	9)		
capa	acity class	35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZASG71MV1		2			Р				2			2			2			Р			
RZASG100MV	RZASG100MY	3	2			Р			3	2		3	2		3	2			Р		
RZASG125MV	RZASG125MY	4	3	2			Р		4	3	2	4	3	2	4	3	2			Р	
RZASG140MV	RZASG140MY	4	3		2			Р	4	3		4	3		4	3		2			Р

		FDA-A			F	HA-A(	∌)				FUA-A		FA	А-В		FV	A-A			FNA-A9	)
capa	city class	125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			Р				Р			Р		Р				2		
RZASG100MV	RZASG100MY		3	2			Р				Р			Р		Р			3	2	
RZASG125MV	RZASG125MY	P	4	3	2			Р				Р					Р		4	3	2
RZASG140MV	RZASG140MY		4	3		2			Р	2			2		2			Р	4	3	

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin

More details and final information can be found by scanning or clicking the QR codes.

RZASG-MV1	RZASG-MV	RZASG-MY

Indoor Unit				RZASG	71MV1	100MV	125MV	140MV	100MY	125MY	140MY						
Dimensions	Unit	Heightx\	WidthxDepth	mm	770x900x320			990x94	40x320								
Weight	Unit			kg	60	7	72	79	7	2	79						
Sound power level	Cooling			dBA	65	70	71	73	70	71	73						
	Heating			dBA	-		71(1)	73(1)	-	71(1)	73(1)						
Sound pressure	Cooling	Nom.		dBA	46	5	53	54	5	3	54						
level	Heating	Nom.		dBA	47			5	7								
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-15~46									
	Heating	Ambient	Min.~Max.	°CWB				-15~15.5									
Refrigerant	Type/GW	/P						R-32/675									
	Charge			kg/TCO2Eq	2.45/1.65	2.60	)/1.76	2.90/1.96	2.60	/1.76	2.90/1.96						
Piping connections	Liquid/Ga	s OD		mm				9.52/15.9									
	Piping	OU - IU	Max.	m				50									
	length	System	Equivalent	m				70									
			Chargeless	m				30									
	Addition	al refrigera	int charge	kg/m			See	installation ma	nual								
	Level difference	e IU - OU	Max.	m				30.0									
Power supply	Phase/Fr	equency/\	oltage/	Hz/V		1~/50 /2	220-240			3~/50 /380-41	5						
Current - 50Hz	Maximur	n fuse amp	os (MFA)	Α	20	25	3	32		3~/50/380-415 16							

(1) According to ENER Lot 21  $\mid$  Contains fluorinated green house gases

#### R-32



#### **Sky Air Advance-series**

#### Large Sky Air system for commercial applications in the most compact casing ever

- > Compact (870mm high) and lightweight single fan design makes the unit unobtrusive, saves space and is easy to install
- Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- > Replace existing systems with R-32 technology without needing to replace the piping
- > Guarantees operation in heating mode down to -20°C
- > Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- > Maximum piping length up to 100m
- > Maximum installation height difference up to 30m
- > Outdoor units for pair, twin, triple, double twin application
- > Combines with EKLN-A low sound enclosure



#### Comfort cooling combination table

		F	CAG-	В		FFA	-A9	FDXI	M-F9		FI	BA-A	(9)			FI	HA-A(	(9)			DA-A	١	- 1	FUA-	١	FA	A-B		FVA-	١	FN/	4-A9
capacity class	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	125	200	250	71	100	125	71	100	71	100	125	50	60
RZA200D	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2			Р		3	2		3	2	3	2		4	3
RZA250D		4			2		4		4		4			2		4			2	2		Р			2					2		4

P = pair application

More details and final information can be found by scanning or clicking the QR codes.

RZA-D

Indoor Unit				RZA	200D	250D
Dimensions	Unit	HeightxV	VidthxDepth	mm	870x1,10	00x460
Weight	Unit			kg	11	7
Sound power level	Cooling			dBA	73	76
	Heating			dBA	76	79
Sound pressure	Cooling	Nom.		dBA	53	57
level	Heating	Nom.		dBA	60	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~	-46
	Heating	Ambient	Min.~Max.	°CWB	-20 <sub>-</sub>	~15
Refrigerant	Type/GW	'P			R-32,	/675
	Charge			kg/TCO2Eq	5/3.	38
Piping connections	Liquid/Ga	s OD		mm	9.52/	22.2
	Piping	OU - IU	Max.	m	10	0
	length	System	Chargeless	m	3	0
	Addition	al refrigera	nt charge	kg/m	See installat	ion manual
Power supply	Phase/Fre	equency/V	'oltage	Hz/V	3~/50/3	380-415
Current - 50Hz	Maximur	n fuse amp	s (MFA)	Α	20	0





#### **Sky Air Active-series**

#### Ideal solution for busy environments and small shops

- > High efficiency:
- Energy labels up to A+ (cooling) / A (heating)
- compressor offers substantial efficiency improvements
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Very compact and easy to install
- > Replace existing systems with R-32 technology without needing to replace the piping



- > Guarantees operation in heating mode down to -15°C and in cooling mode down to -10°C
- > Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- > Piping length up to 30m
- > Exclusively offered for pair applications



#### Pair application

														NE	W			N	W				
		FC#	\G-B			FBA	-A(9)			FA	А-В			FHA	-A(9)			FV	A-A			ADEA-A	١.
capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
ARXM-R	P				Р				P												Р		
AZAS-MV		Р	Р	Р		P	Р	Р		Р				Р	Р	Р		Р	Р	Р		Р	Р
AZAS-MY		Р	Р	Р		Р	Р	Р		Р				Р	Р	Р		Р	Р	Р			

 $P=pair\ application$ 

More details and final information can be found by scanning or clicking the QR codes.

ARXM-R	AZAS-MV	AZAS-MY
ARVIVI-R	AZAS-IVIV	AZAS-IVIT

Outdoor Unit					ARXM71R	AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140MY
Dimensions	Unit	Heightx\	WidthxDepth	mm	734x954x401			990x9	40x320		
Weight	Unit			kg	49.0	7	2	79	7	2	79
Sound power level	Cooling			dBA	-	70	71	72	70	71	72
	Heating			dBA	-	70	71	72	70	71	72
Sound pressure	Cooling	Nom.		dBA	52.0	53	54	55	53	54	55
level	Heating	Nom.		dBA	52.0	57	58	59	57	58	59
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~24			-15~	-15.5		
Refrigerant	Type/GW	'P						R-32/675			
	Charge			kg/TCO2Eq	1.15/0.780	2.60	/1.76	2.90/1.96	2.60	/1.76	2.90/1.96
Piping connections	Liquid/Ga	s OD		mm				9.52/15.9			
	Piping	OU - IU	Max.	m				30			
	length	System	Equivalent	m	-			5	0		
			Chargeless	m	-			3	0		
	Addition	al refrigera	nt charge	kg/m	0.035 (for piping length exceeding 10m)			See installa	tion manual		
	Level difference	e IU - OU	Max.	m	20.0			30	0.0		
Power supply	Phase/Fr	equency/\	oltage/	Hz/V		1~/50/2	220-240			3~/50/380-415	
Current - 50Hz	Maximur	n fuse amp	os (MFA)	Α	-	25	3	32		16	

Opti <sub>'</sub>	ons ·	- Sky Air	FCAHG-H			
		INDOOR HAITS	FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)
Panels		Decoration panel (obligatory for cassette units, optional for others)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(1) / BYCQ140EB (black) Auto cleaning panels(2) (4): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)			
ä		Panel spacer for reducing required installation height	(WINE) / DICQITOLI D (BIGGIO,	KDBQ44B60		1
		Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140 (11)	(only for standard panel) BDBHQ44C60	+	
		Sensor kit	BRYQ140B (white) BRYQ140BB (black) BRYQ140C (white designer) BRYQ140CB (black designer)	BRYQ60AW (white)(9) BRYQ60AS (silver)(9)		
	-	Onecta app	BRP069C82 (14) (18)	BRP069C81 (18)	BRP069C81	BRP069C81 (18)
Individual control systems		Infrared remote control (incl. receiver)	BRC7FA532F (white) (11) (16) BRC7FA532FB (black) (11) (16) BRC7FB532F (designer white) (11) (16) BRC7FB532FB (designer black) (11) (16)	BRC7EB530W for standard panel (5)(6) BRC7F530W for white panel (5)(6) BRC7F530S - for silver panel (5)(6)	BRC4C65	BRC4C65
dividual cor		Madoka BRC1H52W (9) (White) / BRC1H52S (9) (Silver) / BRC1K552K (9) (Black) User-friendly win remote controller with premium design		•	•	•
<u>n</u>		BRC1E53A/B/C (3) (13) - Wired remote controller with full-text interface and back-liq	light	•	•	•
P _		DIII-net connection - for connection to centralized control	standard	standard	standard	standard
Centralised control	systems	DCC601A51 - intelligent Tablet Controller DCS601C51 (13) - intelligent Touch Controller	•	•	•	•
60		DCS302C51 (13) - Central remote controller	•			•
		DCS301B51 (13) - Unified ON/OFF controller	•	•	•	•
_	<u> </u>	EKMBPP1 - Modbus interface for monitoring and control	•	•	•	•
, a		RTD-10 - Modbus interface for infrastructure cooling RTD-20 - Modbus interface for retail	•	•	•	•
erfa		RTD-HO - Modbus interface for retail	•	•		•
Ĕ	ģ	KLIC-DI_V2 - KNX Interface	•	•	•	•
00	<u>5</u>	DCM601B51 - intelligent Touch Manager	•	•	•	•
rotr		DGE601A51 - Edge adapter for connection to Daikin Cloud Plus DGE602A51 - Edge lite adapter for connection to Daikin Cloud Plus	•	•	•	•
p	<mark>   </mark>	DGE602A51 - Edge lite adapter for connection to Daikin Cloud Plus  EKMBDXB - Modbus interface	•	•	•	•
Standard protocol interfaces	nt a	DCM010A51 - Daikin PMS interface	•	•	•	•
building Management System & Standard protocol interfaces	re	DMS502A51 - BACnet Interface	•	•	•	•
<b>.</b>	ğ	DMS504B51 - LonWorks Interface	•	•	•	•
		Auto cleaning filter	see deco panel		BAE20A62 (25 - 35) BAE20A102 (50 - 60)	1
		UV Streamer kit (purifies the air of pollutants such as virusses, UV Streamer kit	·		BAEZUAIUZ (JU - UU,	
		bacteria, fine dust, odours, allergens, etc ensuring a healthy  Replacement f		1		1
Filters		indoor environment)  High efficiency filter	ePM10 60% BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filters)			
		Replacement long-life filter, non-woven type	KAF5511D160	KAF441C60		
		Filter chamber		1		
and	۶ ا	Extension wire auto cleaning panel (required when auto cleaning panel AND Onecta app are both installed)		1	1	
ing	ıso	(required when auto cleaning panel AND Onecta app are both installed)  KRCS - External wired temperature sensor	KRCS01-5B	KRCS01-4	KRCS01-4	KRCS01-4
Wiring and	sen	K.RSS - External wireless temperature sensor	SB.K.RSS_RFC	•		•
		Wiring adapter with 2 output signals	(EKEWTSC-2 + K.RSS) KRP1BA58 (10)(11)	KRP1B57 (10)	KRP1B56 (10)	1
ş	<u>:</u>	(compressor/ Error, Fan output) Adapter (interlock for fresh air intake fan)	-	1	+	KRP1B54
ĵ	<b>á</b>	Adapter with 4 output signals	FKDD1C12 (10)(11)	T/ODIDO	1	
Wiring and sensors Adapters	ر بر	(compressor / Error, Fan, Aux, heater, Humidifier output) Adapter for centralised external monitoring/control	EKRP1C12 (10)(11)	EKRP1B2	(202425 (10)	EKRP1B2 (7) KRP2A51 (7)(10)
Sh	4	(controls 1 entire DIII-NET system)  Adapter for centralised external monitoring/control via dry contacts and setpoint	- (-2)(41)(47)		KRP2A53 (10)	KRP2A51 (7)(10)
Ë	<u> </u>	Adapter for keycard and/or window contact connection  Adapter for keycard and/or window contact connection	KRP4A53 (IU)(II)(I7)	KRP4A51	KRP4A54-9	KRP4A52 (10)
ŗ	€	(in combination with BRC1H*, BRC1/2/3E* only)	BRP7A53	BRP7A53	BRP7A54 (10)	BRP7A51 (12)
₹	ا غ	Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox, an installation box is required)	KRP1H98A (11)	KRP4A93	KRP1BC101	KRP1BC101
_		witchbox, an installation box is required) Wiring kit for Remote ON/OFF or Forced OFF	standard	standard	standard	standard
		Drain pump kit				1
		Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogu	ue)		•	•
ers	J	L-type piping kit (upward direction)				
£	1	1			+	i
Others		Fresh air intake kit (direct installation type)	KDDP55C160-1 (chamber) KDDP55D160-2 (diffuser) (11)	KDDQ44XA60		KDAP25A56A (35-50

- $(1) \quad \hbox{Dirt formation is more easily visible on white insulation. It is recommended not to install this}$
- option in environments with a high concentration of dirt.

  To be able to control option BYCQ140EG(F)/EGFB, controller BRC1H\*, BRC1E\* is needed. These options cannot be combined with RXYSQ\*, multi or non-inverter split units
- (3) Included languages are:

A: English, German, French, Dutch, Spanish, Italian and Portuguese B: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian  $\hbox{C: English, Greek, Polish, Russian, Albanian, Slovak and Turkish}\\$ 

- $(4) \quad \text{The option is intended exclusively for use in fine dust environments (e.g. Clothing shops)}. \\$ Do not use it in environments that are greasy or have high humidity. F = finer mesh
- Sensing function is not available
- Individual flap control function not available
- If installing an electrical heater, an option PCB for external electrical heater (EKRP1B2) for each indoor unit is required. These options require mounting plate KRP4A96. Electrical heaters and humidifiers are field-supplied. Do not install them inside the equipment.
- Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.
- (9) This option cannot be used with RR and RQ models

FDA125A	FDA200-250A	ADEA-A	FAA-B	FTXM-R	FHA-A(9)	FUA-A	FVA-A	FNA-A9
BYBS125D (19)						KDBTP49B140		
						KDBHP49B140		
BRP069C81 (18)	BRP069C82 (20)	BRP069C81 (18)	BRP069C81 (18)	Integrated in PCB	BRP069C81 (18)	BRP069C81 (18)	BRP069C81 (18)	BRP069C81 (18)
			BRC7EA631 (71 class)					
BRC4C65	BRC4C65	BRC4C65	BRC7EA632 (100 class)	ARC466A67	BRC7GA53-9	BRC7C58		BRC4C65
•	•	•	•		•	•	•	•
•	•	•	•	• (BRC073A1) BRCW901A03/A08 extention cords available (15)	•	•	•	•
standard	standard	standard	standard	KRP928BB2S (15)	standard	standard	standard	standard
•	•	•		• (15)		•		•
•	•	•	•	• (15)	•	•	•	•
•	•	•	•	• (15)	•	•	•	•
•	•	•	•	• (15) • (15)	•	•	•	•
•	•	•		• (15)		•	•	•
•	•	•	•	• (15)	•	•	•	•
•	•	•	•	• (KLIC-DDV3) (15)	•	•	•	•
•	•	•	•	• (15)	•	•	•	•
•	•	•	•	• (15)	•	•	•	•
•	•	•	•	• (15)	•	•	•	•
•	•	•	•	• (15)	•	•	•	•
•	•	•	•	• (15) • (15)	•	•	•	•
•	•	•	•			•	•	•
•	•	•		• (15)	•		•	
	BAFL502A250 (20) BDD500B250				KAF501B56 (35-50) KAF501B80 (60-71) KAF501B160 (100-140)	KAF5511D160	KAFJ95L160	
	222300230							
KRCS01-4	KRCS01-6B	KRCS01-4	KRCS01-4		KRCS01-4	KRCS01-4		KRCS01-4
KRC501-4	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	KRCSUI-4	INNESUI-4		RRCSUI-4	KRCSUI-4		KKC501-4
	KRP4A51 (17)		KRP4A51 (10)	KRP413AB1S (15)			KRP1B57 (10)	
KRP1C64 (8)	KRP1C65	KRP1B54			KRP1B54 (10)			<u> </u>
EKRP1B2 (7)	EKRP1C13	EKRP1B2 (7)			(۱۱) אכטו אוור (۱۷)			KRP1B56
KRP2A51 (8)	KRP2A51 (17)	KRP2A51 (7)(10)						WUL 1930
		KRP4A52 (10)			KRP4A52 (10)	KRP1B97	KRP4A52 (10)	KRP4A54-9
BRP7A54 (8)	BRP7A54	BRP7A51 (12)	BRP7A51 (10)		BRP7A52 (10)	BRP7A53 (10)	BRP7A52 (10)	
KRP4A96		KRP1BC101	KRP4B93		KRP1D93A (21)	KRP1BA97	KRP4AA95	KRP1BB101
EKRORO3		standard	standard		EKRORO4	EKRORO5	standard	standard
	BDU510B250VM		K-KDU572KVE		KDU50R63 (35 - 60) KDU50R160 (71 - 140)			
		•						
					KHFP5MA35 (35) KHFP5N63 (50-60) KHFP5N160 (71-140)			
KDAJ25K140A		KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)						

- (10) Requires installation box for adapter PCB, refer to table for model code
- (11) This option cannot be combined with BYCQ140EG(F)/EGFB(12) Maximum 2 optional PCBs can be mounted
- (13) Applicable boxes (KJB\*) to mount controllers can be found in the controls option list
- (14) Extention wire (EWHAR1) is needed if both auto cleaning panel AND Onecta app are connected
- (15) Wire harness EKRS21 needed. Standard Wireless LAN needs to be turned off to use these
- (16) The active airflow circulation function is not available for this controller
- (17) This option cannot be combined with Onecta app (18) Only possible in combination with wired or wireless remote control
- required. (20) This option cannot be combined with KRP4A51 and KRP2A51. (in case of filter, filter chamber is required)

(19) For directly mounting the decoration panel on the unit, decoration panel option EKBYBSD is

- (21) Mounting plate KKSAP50A56 needed for 35-50 capacity class
- (22) Only possible in combination with BYCQ140E and BYCQ140EW. Cannot be combined with other filters, chambers, fresh air intake kits or air discharge outlet sealing member kit
- $(23) \ \ Only\ possible\ in\ combination\ with\ BYCQ140E/EW/EB.\ Cannot\ be\ combined\ with\ other\ filters,$  $chambers, fresh\ air\ intake\ kits\ or\ discharge\ outlet\ sealing\ member\ kit$

#### Options - Sky Air

				R-32		
		RZAG-A	RZAG-NV1/NY1	RZASG-MV(1)/MY	RZA-D	AZAS-MV/MY
Ą	for twin		KHRQ58T (imperial size)	KHRQ58T (imperial size)	KHRQ22M20TA (imperial size)	
nt branch ig (3)	for triple		KHRQ58H (imperial size)	KHRQ58H (100 - 140) (imperial size)	KHRQ250H7 (imperial size)	
Refrigerant bra piping (3)	for double twin		KHRQ58T (3x) (125 - 140) (imperial size)	KHRQ58T (3x) (125 - 140) (imperial size)	KHRQ22M20TA (x3) (imperial size)	
Ref	Asymmetric combinations piping reducer	ASYCPIR (see table below)				
Deman	nd adapter kit		SB.KRP58M52 (1)	SB.KRP58M52 (1)	KRP58M51 (2)	
	n plate heater - To keep drain ce-free in extreme weather ons		EKBPH140N		EKBPH250D	
Sound	enclosure		EKLN140A		EKLN140A	

#### EKLN140A - Sound enclosure

Drain pan	EKLN140-DP
Drain pan heater tape	EKLN140-DPHT (1)

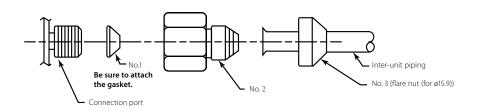
<sup>(1)</sup> Only in combination with EKLN140-DP

#### Option for asymmetric combination (Asymmetric combinations piping reducer)

AC	YCPIR	Liquid	GA	<b>AS</b>
AS	YCPIR	ø 9.52 → ø 6.4	ø 12.7 → ø 9.52	ø 15.9 → ø 12.7
	FDXM50F9		•	
	FFA50A9		•	
	FBA50A9		•	
RZAG35A	FCAG50B		•	
	FNA50A9		•	
	FTXM50R		•	
	FHA50A9		•	
	FBA71A9	•		
RZAG60A	FCAG71B	•		•
RLAGOUA	FTXM71R			•
	FHA71A9	•		•

#### Example of using:

1) Connecting a pipe of ø12.7 to a gas pipe connection port for ø15.9:



<sup>(1)</sup> Contains KRP58M1 and obligatory mounting kit EKMKSA2 (2) To mount KRP58M51, an additional mounting kit (EKMKSA3) needs to be used (obligatory)

<sup>(3)</sup> For metric size refrigerant branching contact your local sales representative



# Rooftop

Why choose Daikin Rooftop series	45
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UATYA-BFC2Y1	46
UATYA-BFC3Y1	46
UATYA-BRS4	46
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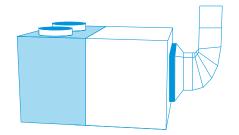
#### BLUEVOLUTION







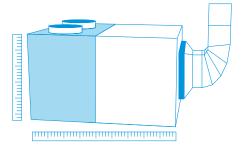
#### Made-To-Stock units (MTS)



#### 48 predefined units readily available from stock

- > Fast delivery
- > 3 versions: Base, 2 dampers and 3 dampers
  - > Thermodynamic heat recovery available on full FC3 range
- > Capacity up to 190 kW!
- Comes with a wide range of standard integrated features

#### Made-To-Order units (MTO)



#### Fully customizable units for maximum flexibility

- > Almost infinite configuration possibilities thanks to wide choice of options
- > 4 versions: Base, 2 dampers, 3 dampers and 4 dampers
  - Thermodynamic heat recovery available on full FC3 range
  - Premium efficiency plate heat exchanger available on RS4 range
- > Capacity up to 190 kW!
- > Comes with a wide range of standard integrated features
- > Easy selection via selection software: rooftop.daikin.eu

## Products overview rooftops

#### BLUEVOLUTION

Capacity class (kW)

Туре	Model	MTS Product name	Refrigerant	Version	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
	Rooftop unit With extensive base package for high installation flexibility and easy servicing - 'Plug and play' for easy installation - High efficiency - Flexible supply and return air direction - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYA-BBAY1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Air cooled	Rooftop unit 2 damper version with integrated fresh air - Free cooling with up to 100% fresh air intake - Comes with all Base model features	UATYA-BFC2Y1	R-32	MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Heat pump	Rooftop unit 3 damper version with integrated fresh air and extraction - Integrated extraction damper eliminates over-pressure - Thermodynamic heat recovery, recovering waste heat - Comes with all FC2 model features	UATYA-BFC3Y1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 4 damper version with integrated fresh air, extraction and plate heat exchanger - Premium efficiency plate heat exchanger, recovering waste heat - Comes with all FC3 model features	UATYA-BRS4*		МТО	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

<sup>\*</sup> Indicative model name. Correct model name to be retrieved from selection software

# Standard integrated features on all Made-To-Stock and Made-To-Order units

- 1 R-32 refrigerant
  - Top sustainability thanks to the use of low GWP (675) refrigerant
  - Single component refrigerant, easy to re-use and recycle







- BLUEVOLUTION
- 2 Inverter driven compressors
  - > Great year-round seasonal efficiency
  - > Available up to 120 kW models
- 3 Capacity range up to 190 kW!
  - More flexibility to tackle larger projects with a small footprint



- 4 25 mm double skinned panels
  - > Ensuring long-lasting life and providing good thermal and sound insulation

#### More standard integrated features

- > ISO Coarse 75% filter (G4) (standard for MTS only)
- > Standard clogged filter alarm
- > Flexible air delivery
- > Hydrophilic aluminum fins on indoor and outdoor unit side
- > Mesh coil guard on outdoor heat exchanger
- > Factory mounted drain pan with heater
- > Single operation voltage-free contact
- > Power supply connection safety through max/min voltage relay and reversed phase connection

- 5 Full color touch display
  - > Intuitive to use
  - > Better visualisation of unit parameters



- 6 Integrated connectivity
  - Integration into Daikin intelligent Touch Manager BMS (via BACNET protocol)
  - Integration in 3rd party BMS systems via Ethernet port (BACnet TCP/IP & Modbus TCP/IP) or 3-cable port (Modbus over RS485)

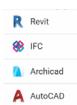


- 7 Selection software
  - > Easy selection of the correction unit and options based on location conditions
  - > Direct availability of technical drawings



8 BIM objects

- All made to stock units available as Revit, IFC, Archicad and AutoCAD files
- All made to order units available as Revit





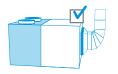
Download our objects now! bim.daikin.eu

# Versions to choose from

#### **UATYA-BBAY1**

# High installation flexibility and easy servicing

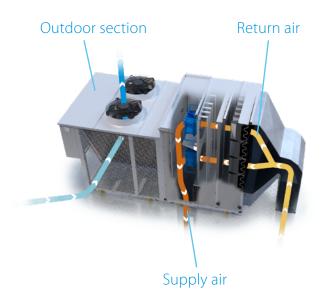
- Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected
- > High efficiency and reliable scroll compressor
- > Factory pre-charged refrigerant ensures clean and efficient operation



Made-To-Stock units (MTS)

Made-To-Order units (MTO)

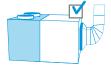
#### HEATING OPERATION EXAMPLE

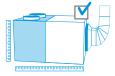


#### UATYA-BFC2Y1

# 2 damper version, with integrated fresh air

- > Free cooling with up to 100% fresh air possible
  - > Improved air quality
  - Energy saving using fresh outdoor air to cool the building
- > Includes all Base model features

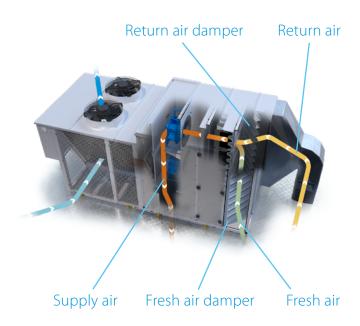




Made-To-Stock units (MTS)

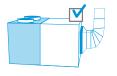
Made-To-Order units (MTO)

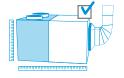
#### HEATING OPERATION EXAMPLE



# 3 damper version, with integrated fresh air and extraction

- > Extraction damper integrated
  - Eliminates excessive overpressure in the building
  - Including high efficient extraction fan for optimum air circulation in larger buildings
- > Thermodynamic heat recovery
  - Saves energy by recovering waste heat through the outdoor heat exchanger
  - > Available on all models
- > Includes all FC2 model features



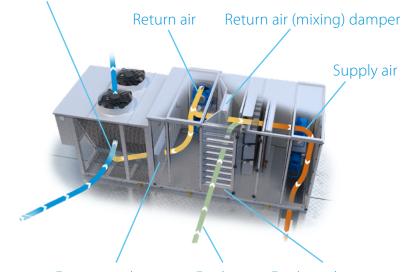


Made-To-Stock units (MTS) Ma

Made-To-Order units (MTO)

#### **HEATING OPERATION EXAMPLE**

#### Thermodynamic heat recovery

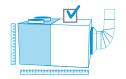


Extraction damper Fresh air Fresh air damper

#### UATYA-BRS4\*

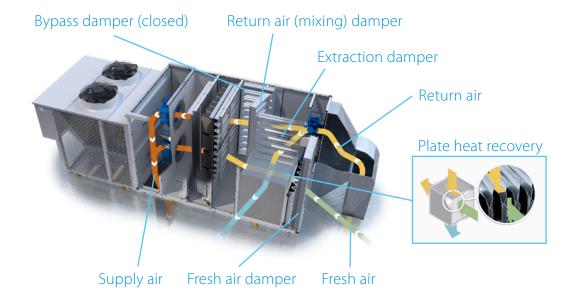
# 4 damper version, with integrated fresh air, extraction and plate heat recovery

- > Premium efficiency counter flow plate heat exchanger
  - > Recovers up to 58% waste heat from the return air
  - > Available in 50% and 100% return air heat recovery
- > Bypass damper to allow plate heat exchange or free cooling
- > Additional thermodynamic heat recovery available up to 50kW models
- > Includes all FC3 model features
- > Only available as Made-To-Order model
- \* Indicative model name. Correct model name to be retrieved from selection software.



Made-To-Order units (MTO) only

#### PLATE HEAT RECOVERY MODE IN HEATING OPERATION



# Specifications Made-To-Stock units



#### UATYA-BBAY1

More details and final information can be found by scanning or clicking the QR codes.



UATYA-BBAY1



Indoor Unit				UATYA	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW	24.1	31.3	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
Heating capacity	Nom.			kW	24.0	29.5	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
EER					2.83	3.09	3.06	2.96	3.12	2.92	3.09	3.06	2.97	2.99	2.91	3.14	3.02	3.05	3.07	2.97
COP					3.22	3.31	3.26	3.24	3.25	3.21	3.37	3.22	3.20	3.35	3.25	3.44	3.33	3.26	3.33	3.27
Space cooling	Capacity	Pdesign		kW	24.1	31.3	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER				4.52	4.79	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%	177.8	188.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating	Capacity	Pdesign		kW	24.0	29.5	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
(Average climate)	SCOP/A				3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%	131.0	132.2	143.8	143.0	135.6	133.5				139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply		arge direction									ttom, F								
	side	Fan	Air flow rate		4,500	5,800	7,500	9,000	11,000	13,000	14,500			19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa								30								
			direction - Air dischar									Re								
			amic heat recovery - Air disc										lo							
	Fresh air - Supply side		d - Air discharge di	rection								N	lo							
Condenser	Air flow rate	Cooling		m³/h	15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP										6	75							
		Charge		kg	7.0	10.0	12.0	15.0	18	3.0	23.0	24.0	28.0	30.0	36.0	38	3.0	46.0	50	0.0
Dimensions	Unit	Height		mm	1,9	924	2,3	374	1,9	24					2,3	374				
		Width		mm								2,2	250							
		Depth		mm		2,4	127					4,317						5,117		
Weight	Unit			kg	852	908	966	986	1,551	1,651	1,798	1,856	1,922	2,008	2,018	2,454	2,462	2,504	2,558	2,636
Casing	Colour											RAL	7035							
Sound pressure leve	l Cooling			dBA	63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68	3.3	68.7	69.1	70.0
Sound power level	Cooling			dBA	82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88	3.6	89.0	89.3	90.2
Operation range	Cooling	Min. ∼ M	ax.	°CDB								-10	~ 48							
	Heating	Min. ~ M	ax.	°CWB								-15	~ 26							
Power supply	Phase/Fre	1		Hz/V								3~/50								
Current	Recomme	ended fus	es	Α	25	4	0	5	0	63	80		10	00			160		20	00

#### UATYA-BFC2Y1

More details and final information can be found by scanning or clicking the OR codes



LIATVA DECOVI

clicking the QR	codes.		面解翻	WE! UAT	YA-BI	FC2Y1														
Indoor Unit				UATYA	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW	24.1	31.3	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
J , ,	With 30%	fresh air		kW	25.8	33.6	41.5	48.9	63.0	69.9	80.7	96.6	102.7	117.0	122.7	143.1	154.9	165.7	184.2	200.5
Heating capacity	Nom.			kW	24.0	29.5	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	With 30%	fresh air		kW	24.3	29.6	36.5	46.3	55.1	65.1	69.2	84.7	94.8	102.1	108.7	124.2	137.5	148.4	158.7	180.2
EER					2.83/2.96	3.09/3.26	3.06/3.21	2.96/3.10	3.12/3.28	2.92/3.06	3.09/3.26	3.06/3.24	2.97/3.13	2.99/3.13	2.91/3.03	3.14/3.29	3.02/3.16	3.05/3.19	3.07/3.21	2.97/3.10
COP					3.22/3.43	3.31/3.53	3.26/3.48	3.24/3.51	3.25/3.47	3.21/3.44	3.37/3.62	3.22/3.47	3.20/3.46	3.35/3.60	3.25/3.48	3.44/3.69	3.33/3.57	3.26/3.50	3.33/3.58	3.27/3.5
Space cooling	Capacity	Pdesign		kW	24.1	31.3	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER				4.52	4.79	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%	177.8	188.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating		Pdesign		kW	24.0	29.5	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
(Average climate)	SCOP/A				3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ns,h			%	131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply	Air disch	arge direction			Fronta	al, Left						Bo	ttom, F	Right, L	eft				
	side	Fan	Air flow rate	m³/h	4,500			9,000	11,000	13,000	14,500	16,500					26,500	28,000	30,500	31,500
			Nominal ESP	Pa								30	00							
	Return side -	Air intake	direction - Air discharg	ge direction							R	ear, Le	ft, Rigl	nt						
			mic heat recovery - Air disch									N	0							
	Fresh air - Supply side		l - Air discharge dire									Ye	es							
	Fresh air	Ratio	Standard	%								3	0							
		riacio	In free cooling	%								10								
Condenser	Air flow rate	Cooling		m³/h	15.725	16.038	16.374	16,341	31.183	32.203	35,774	37.285	36.195	38.143	36.865	70.704	72.395	67.733	70.200	72.005
	Refrigerant				-,	, , , , , , ,	, .	, ,,	,	,	, ,	67		,	,		,	,	.,	,
	. 3	Charge		kg	7.0	10.0	12.0	15.0	18	.0	23.0	24.0	28.0	30.0	36.0	38	3.0	46.0	50	0.0
Dimensions	Unit	Height		mm		24		374	1.9	24						374				
		Width		mm	.,,,				.,-			2,2	50							
		Depth		mm		2.9	943					4.879						5.679		
Weight	Unit	p		kg	981			1,143	1.703	1.803	1.984		2.110	2.196	2.206	2.658	2.668	2.708	2.746	2.828
Casing	Colour					.,	.,	.,	.,	.,	.,	RAL		_,	_,	_,	_,	_,	_,	,,,,,
Sound pressure level				dBA	63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7		70.6	74.2	68	3.3	68.7	69.1	70.0
Sound power level				dBA	82.2						92.5	88.6		90.5	94.1	88		89.0	89.3	90.2
Operation range	Cooling	Min. ~ M	ax.	°CDB								-10								
	Heating	Min. ~ M		°CWB								-15								
Power supply	Phase/Fre			Hz/V								3~/50	/400							

UATYA60-70BFC2Y1

#### UATYA-BFC3Y1

More details and final information can be found by scanning or clicking the QR codes.



UATYA-BFC3Y1



Indoor Unit				UATYA	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW	24.1	31.3	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	With 30%	fresh air		kW	26.0	33.9	42.5	49.6	63.7	70.5	81.3	96.8	104.3	118.0	124.5	145.6	156.8	168.3	186.5	204.4
Heating capacity	Nom.			kW	24.0	29.5	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	With 30%	fresh air		kW	25.0	31.0	38.3	47.7	57.1	68.6	71.6	87.2	97.9			132.0				
EER					2.83/2.96	3.09/3.20	3.06/3.27	2.96/3.12	3.12/3.23	2.92/3.00	3.09/3.21	3.06/3.22	2.97/3.14	2.99/3.11	2.91/3.01	3.14/3.26	3.02/3.14	3.05/3.18	3.07/3.21	2.97/3.14
COP					3.22/3.41															3.27/3.50
Space cooling	Capacity	Pdesign		kW	24.1	31.3	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0		144.7	154.6	171.9	187.0
	SEER				4.52	4.79	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%	177.8		212.5	207.0	217.1	178.1		215.8		208.6		172.1		167.6	162.8	
Space heating	Capacity	Pdesign		kW	24.0	29.5	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
(Average climate)	SCOP/A				3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62		3.53	3.39	3.36		3.31	3.34
	ηs,h			%	131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply	Air discha	arge direction				al, Left									Fronta				
	side	Fan	Air flow rate	m³/h	4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa								30	00							
			direction - Air dis	charge		Re	ear							Rig	ght					
		direction																		
	Return	Fan	Air flow rate	m³/min	4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
	side		Nominal ESP	Pa									00							
			ynamic heat reco	very - Air								Y	es							
			e direction																	
	Fresh air - Supply side	Standard	- Air discharge di	rection								Y	es							
	Fresh air	Ratio	Standard	%								3	0							
			In free cooling	%								10	00							
Condenser	Air flow rate	Cooling		m³/h	15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP										6	75							
		Charge		kg	7.0	10.0	12.0	15.0	18	3.0	23.0	24.0	28.0	30.0	36.0	38	3.0	46.0	50	0.0
Dimensions	Unit	Height		mm	1,9	924	2,3	374	1,9	24					2,3	374				
		Width		mm								2,2	250							
		Depth		mm			514					6,317						7,117		
Weight	Unit			kg	1,166	1,196	1,310	1,329	1,996	2,094	2,336	2,382	2,452	2,548	2,558	3,024	3,035	3,074	3,192	3,271
Casing	Colour											RAL	7035							
Sound pressure level	Cooling			dBA	63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68	3.3	68.7	69.1	70.0
Sound power level	Cooling			dBA	82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88	3.6	89.0	89.3	90.2
Operation range	Cooling	Min. ~ Ma	ax.	°CDB								-10	~ 48							
	Heating	Min. ~ Ma	ax.	°CWB								-15	~ 26							
Power supply	Phase/Fre	equency/V	oltage	Hz/V								3~/50	/400							
Current	Recomme	ended fuse	es	Α	A 25 40 50 63 80 100 160							200								

# Specifications Made-To-Order units





All naming in the tables above is valid for Made-To-Stock units only.

For specifications and configuration of Made-To-Order units refer to our selection software.





### Field applied accessories for Made-To-Stock units

				BASE series UATYA-BBAY			FC2 series (UATYA-BFC2Y1) 190 25-30 40-50 60-70 80-90 100-120 144								(l	FC3 series JATYA-BFC3\	(1)		
		25-30	40-50	60-70	80-120	140-190	25-30	40 - 50	60-70	80-90	100-120	140-190	25-30	40-50	60-70	80-100	110-120	140-180	190
	Filter ISO Coarse 75% (G4)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)
	Filter ISO ePM10 50% (M5/F5)	2x UATYAEP- M1050A + 2x UATY- AEPM1050B	3x UATYAEP- M1050A + 3x UATY- AEPM1050B	3x UATYAEP- M1050B	12x UATYAEP- M1050C	12x UATYAEP- M1050C	2x UATYAEP- M1050A + 2x UATY- AEPM1050B	3x UATYAEP- M1050A + 3x UATY- AEPM1050B	3x UATYAEP- M1050B	12x UATYAEP- M1050C	12x UATYAEP- M1050C	12x UATYAEP- M1050C	2x UATYAEP- M1050A + 2x UATY- AEPM1050B	3x UATYAEP- M1050A + 3x UATY- AEPM1050B	3x UATYAEP- M1050B	12x UATYAEP- M1050C	12x UATYAEP- M1050C	12x UATYAEP- M1050C	12x UATYAEP- M1050C
	Filter ISO ePM10 75% (M6)	2x UATYAEPM- 1075PA + 2x UATYAEP- M1075PB	3x UATYAEPM- 1075PA + 3x UATYAEP- M1075PB	3x UATYAEP- M1075PB	12x UATYAEP- M1075PC	12x UATYAEP- M1075PC	2x UATYAEPM- 1075PA + 2x UATYAEP- M1075PB	3x UATYAEPM- 1075PA + 3x UATYAEP- M1075PB	3x UATYAEP- M1075PB	12x UATYAEP- M1075PC	12x UATYAEP- M1075PC	12x UATYAEP- M1075PC	2x UATYAEPM- 1075PA + 2x UATYAEP- M1075PB	3x UATYAEPM- 1075PA + 3x UATYAEP- M1075PB	3x UATYAEP- M1075PB	12x UATYAEP- M1075PC	12x UATYAEP- M1075PC	12x UATYAEP- M1075PC	12x UATYAEP- M1075PC
Air treatment	Filter ISO ePM1 50% (F7)	2x UATYAEPM- 150PA + 2x Uatyaep- M150PB	3x UATYAEPM- 150PA + 3x UATYAEP- M150PB	3x UATYAEP- M150PB	12x UATYAEP- M150PC	12x UATYAEP- M150PC	2x UATYAEPM- 150PA + 2x UATYAEP- M150PB	3x UATYAEPM- 150PA + 3x UATYAEP- M150PB	3x UATYAEP- M150PB	12x UATYAEP- M150PC	12x UATYAEP- M150PC	12x UATYAEP- M150PC	2x UATYAEPM- 150PA + 2x UATYAEP- M150PB	3x UATYAEPM- 150PA + 3x Uatyaep- M150PB	3x UATYAEP- M150PB	12x UATYAEP- M150PC	12x UATYAEP- M150PC	12x UATYAEP- M150PC	12x UATYAEP- M150PC
٩	Rigid bag filter ISO ePM10 70% (M6)	2x UATYAEP- M1070A + 2x UATY- AEPM1070B	3x UATYAEP- M1070A + 3x UATY- AEPM1070B	6x UATYAEP- M1070B	12x UATYAEP- M1070C	12x UATYAEP- M1070C	2x UATYAEP- M1070A + 2x UATY- AEPM1070B	3x UATYAEP- M1070A + 3x UATY- AEPM1070B	6x UATYAEP- M1070B	12x UATYAEP- M1070C	12x UATYAEP- M1070C	12x UATYAEP- M1070C	2x UATYAEP- M1070A + 2x UATY- AEPM1070B	3x UATYAEP- M1070A + 3x UATY- AEPM1070B	6x UATYAEP- M1070B	12x UATYAEP- M1070C	12x UATYAEP- M1070C	12x UATYAEP- M1070C	12x UATYAEP- M1070C
	Rigid bag filter ISO ePM1 50% (F7)	2x UATYAEP- M150A + 2x UATY- AEPM150B	3x UATYAEP- M150A + 3x UATY- AEPM150B	6x UATYAEP- M150B	12x UATYAEP- M150C	12x UATYAEP- M150C	2x UATYAEP- M150A + 2x UATY- AEPM150B	3x UATYAEP- M150A + 3x UATY- AEPM150B	6x UATYAEP- M150B	12x UATYAEP- M150C	12x UATYAEP- M150C	12x UATYAEP- M150C	2x UATYAEP- M150A + 2x UATY- AEPM150B	3x UATYAEP- M150A + 3x UATY- AEPM150B	6x UATYAEP- M150B	12x UATYAEP- M150C	12x UATYAEP- M150C	12x UATYAEP- M150C	12x UATYAEP- M150C
	Rigid bag filter ISO ePM1 85% (F9)	2x UATYAEP- M185A + 2x UATY- AEPM185B	3x UATYAEP- M185A + 3x UATY- AEPM185B	6x UATYAEP- M185B	12x UATYAEP- M185C	12x UATYAEP- M185C	2x UATYAEP- M185A + 2x UATY- AEPM185B	3x UATYAEP- M185A + 3x UATY- AEPM185B	6x UATYAEP- M185B	12x UATYAEP- M185C	12x UATYAEP- M185C	12x UATYAEP- M185C	2x UATYAEP- M185A + 2x UATY- AEPM185B	3x UATYAEP- M185A + 3x UATY- AEPM185B	6x UATYAEP- M185B	12x UATYAEP- M185C	12x UATYAEP- M185C	12x UATYAEP- M185C	12x UATYAEP- M185C
	UATYACO2P - Duct air quality CO, probe	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	UATYACAP - Constant air pressure control airflow transducer	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Control	UATYAWRC - Remote touch screen wired remote controller	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	<b>UATYARRP</b> - Room temperature return probe (incl. housing)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	UATYASA - Fire and smoke alarm	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rainproof hood with anti-intrusion grille		not possible	not possible	not possible	not possible	UATYARPH3	UATYARPH4	UATYARPHS	UATYARPH6	UATYARPH6	UATYARPH6	UATYARPH1	UATYARPH2	UATYARPH8	UATYARPH7	UATYARPH7	UATYARPH7	UATYARPH7
Other	Rubber antivibra- tion mounts	2x UATYAAVM1	2x UATYAAVM1	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1	2x UATYAAVM1	3x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1		2x UATYAAVM1 + 2x UATYAAVM2	1x UATYAAVM1 + 1x UATYAAVM2			2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2		
0	Rubber antivibra- tion mounts when gas heater is used		1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 2x UATYAAVM2	5x UATYAAVM1	5x UATYAAVM1	2x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1		3x UATYAAVM1+ 2x UATYAAVM2	

#### Wide choice of factory-mounted options on Made-To-Order units

#### Indoor air treatment



- > Filters and rigid bag filters
  - > Multistage filtration possible
  - From ISO Coarse 75% (G4)
     up to ISO ePM1 85% (F9)



- Auxiliary heat sources for additional or complementary heating
  - Gas burner
  - > Electric coil
  - > Hot water coil
- Pre-heater from heat recovery water coil, to recover waste heat from applications where heat is rejected



- > Steam humidifier and post-heating
- Oversized and extraoversized supply and return radial EC plug fans to provide a higher ESP



 Spring return dampers in case of power failure and/or fire alarm

#### **Outdoor air treatment**

- Anticorrosion treatment on heat exchanger
- > Standard or EC axial fan
- Softstarter on compressor for units
   ≥ 140kW



 Soundproof compartment on compressor

#### **Control options**

- > BMS gateway via Ethernet:
  - SNMP & Modbus TCP/IP (standard BACnet TCP/IP connection can not be used anymore)
- > BMS gateway via 3-cable port:
  - BACnet MS/TP OR Lonworks (standard Modbus RS485 connection can not be used anymore)

#### Field applied accessories for Made-To-Order units

		MTO - BASE series	MTO - FC2 series	MTO - FC3 series	MTO - RS4 series
	<b>UATYACO2P</b> - Duct air quality CO <sub>2</sub> probe	•	•	•	•
	<b>UATYACAP</b> - Constant air pressure control airflow transducer	•	•	•	•
Control	<b>UATYAWRC</b> - Remote touch screen wired remote controller	•	•	•	•
Ŭ	<b>UATYARRP</b> - Room temperature return probe (incl. housing)	•	•	•	•
	UATYASA - Fire and smoke detector	•	•	•	•
Other	Rubber antivibration mounts	• (1)	• (1)	• (1)	• (1)
ð	Rainproof hood with anti-intrusion grille	• (1)	• (1)	• (1)	• (1)

<sup>(1)</sup> Reference code to be selected in selection software







#### Decarbonisation of buildings made easy:

#### Benefit from leading VRV 5 technology!

#### Adapts to any building

- > Extensive piping lengths & heights
- > 5 low sound steps down to 41 dB(A)

#### Reduces the CO<sub>2</sub> footprint significantly

- > High, real life seasonal efficiency
- > Lower GWP refrigerant R-32

#### Shîrudo Technology provides peace of mind

- > Easy installation of R-32 VRV in any size of room
- > Factory-integrated refrigerant control measures avoids time-consuming studies
- > 3<sup>rd</sup> party certification according to the product standard IFC60335-2-40

#### Widest R-32 portfolio to match any application

- > 11 indoor unit models in 96 variations
- > Plug & Play ventilation solutions from 150 up to 140,000 m<sup>3</sup>/h
- > Strong range of intuitive, cloud based controls

#### Specialised advice and support

- $\,{}^{>}$  Maximise BREEAM, LEED,  $\dots$  scores thanks to VRV 5 and our expert support
- Online support software to ensure compliance with product standards

Find out more about the new VRV 5 heat pumps on page 488

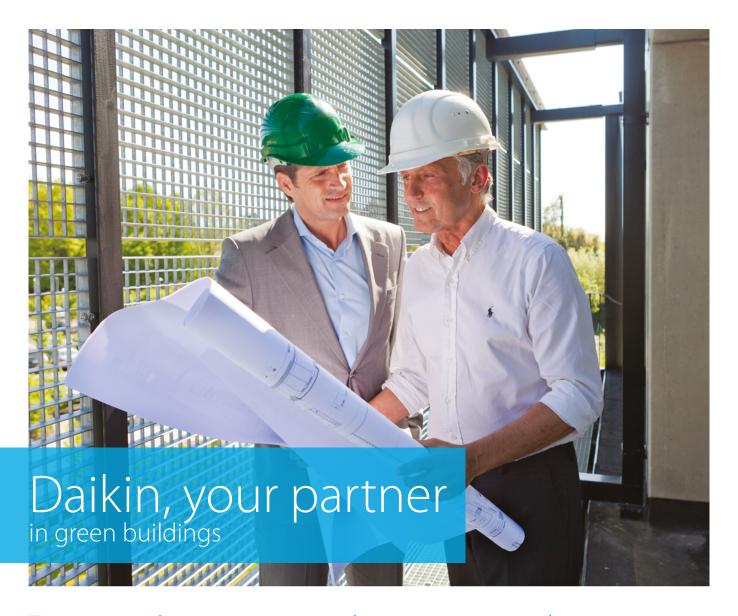
Learn more by visiting www.daikin.eu/vrv5







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	Ceiling mounted cassette units	496	UNIQUE FXUQ-A	549
UNIQUE		497	Floor standing units FXNQ-A	550 550
UNIQUE	FXZA-A	499	FXLQ-P	551
	Concealed ceiling units	500	Hot water	552
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# Team up with our experts to achieve your green objectives, while staying within budget

Every building requires a different solution to match its unique properties. That's why it is important to have an HVAC-R partner with expert knowledge and a wide product portfolio to achieve your goals.



We continuously develop products with lower CO₂ footprints



We reuse materials where possible, including refrigerants



We maximise real life seasonal efficiencies, delivered in a transparent and trustworthy way



Our team of experts provide in-depth knowledge in the use of EPDs, green building schemes, etc.



We provide continuous monitor our systems, keeping running costs low and maximising uptime



We help to make the right choice based on the total lifecycle impact of the solutions



# Arteparc office complex

Daikin VRV heat pumps contribute to low carbon footprint and is awarded with the HQE excellent label

Location: Grenoble, France

Type: New built, commercial complex

Project size: 25,000m<sup>2</sup>
Total outdoor units: 115

### Challenges:

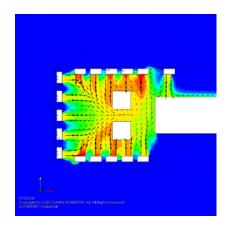
 Achieve HQE BBC (Low Carbon Building) certification label

 Provide an HVAC system to offset the increased CO<sub>2</sub> emissions, caused by additional use of concrete

### Daikin solution:

- > Close co-operation between design office and Daikin design support
- In-depth study to optimize the air flows of the full installation to maximize system performance and user experience
- Daikin's VRV5 with R-32 was crucial to support the required offsetting of CO<sub>2</sub>, with a whole life carbon reduction of 27% compared to R-410A solutions







# Victoria hotel, Park Plaza

Location: Amsterdam, The Netherlands

Type: Refurbishment, Hotel

Project size: 7 floors, 150 rooms, 25m<sup>2</sup>/room

Total outdoor units: 12

### Challenges:

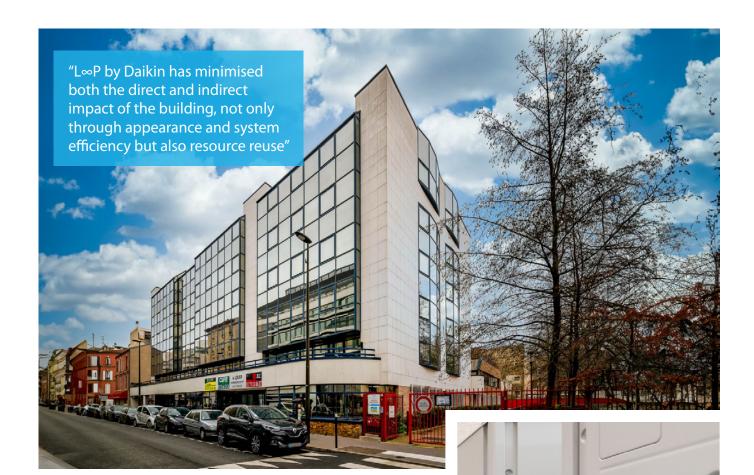
 Provide a future proof, low carbon solution

- > Keep historical building outlook intact
- Provide total peace of mind

### Daikin solution:

- > Implementation of VRV 5 heat recovery, using lower GWP refrigerant R-32 boosting efficiency thanks to the re-use of excessive heat from rooms in cooling, to heat up rooms in need of heating
- The modular and compact concept of VRV outdoor units and very small piping made it the best solution to keep the historical value of the building.
- With Shîrudo Technology all legislative requirements are factory integrated, keeping additional design work to a minimum





# Perial Asset Management

L∞P by Daikin is assisting clients in creating their own circular economy of refrigerants

Location: Paris, France

Type: Refurbishment, Multipurpose

Project size: 8 floors, 4,200m<sup>2</sup>

Total outdoor units: 8

### Challenges:

- Maximize re-use and minimize energy consumption
- > Improve visual and acoustic comfort for the tenants
- › Achieve BREEAM certification

### Daikin solution:

- > Recovery and recycling of R-410A refrigerant from the old units, to re-use as field charge
- Installation of L∞P by Daikin VRV outdoor units with reclaimed refrigerant, resulting in a saving of 156kg of virgin refrigerant production
- > Compact and low noise VRV heat pumps we sited behind screens to avoid any disturbance



DAIKIN

# reasons why VRV is unique in the market



### Leader in sustainability



- NEW > VRV 5: dedicated R-32 VRV design
  - Less refrigerant charge
  - · Higher efficiency
  - Lower CO<sub>2</sub> equivalent
  - > L∞P by Daikin: the creation of a circular economy of refrigerants
    - · Saves over 400,000 kgs of virgin refrigerant being produced every year
    - Greatly reduces the CO<sub>2</sub> foorprint of refrigerant production
    - For all VRV units produced and sold in Europe\*

\* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland







### **Efficiency**

- > Variable Refrigerant Temperature for high seasonal efficiency
- > Round flow cassette and concealed ceiling units with auto cleaning filter
- > The best partner for your BREEAM, LEED or Well project







### Comfort



- NEW > Provide high Indoor Air Quality though seamless integration of AHU's (For R-32 and R-410A)
  - > Variable Refrigerant Temperature preventing cold draughts in cooling thanks to high outblow temperatures
  - > True continuous heating during defrost
  - > Presence and floor sensors direct the air flow away from persons, while ensuring an even temperature distribution
  - > Auto cleaning filters to ensure optimum air quality



NEW > UV Streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1), oudeurs, allergens, etc





### Reliability

- > Refrigerant cooled PCB
- > Most extensive testing before new units leave the factory
- > Widest sales network with all spare parts available in Europe
- > Preventive maintenance via Daikin Cloud Service
- > Auto cleaning filters to further enhance reliability thanks to clean air-filters
- > True technical cooling





### 5 Design

- > Widest ever range of cassette panels
- Available in white and black
- Sleek designer panel range
- > Daikin Emura, unique iconic design
- > Fully flat cassette, fully integrated in the ceiling





- Voice control via Amazon Alexa and Google Assistant through BRP069C51 Onecta app (For VRV 5 models)
- Madoka: a sleek wired remote controller with intuitive touch button control
- Intelligent Touch manager: A cost-effective mini BMS integrating all Daikin products
- > Easy integration in third party BMS via BACnet, LonWorks, Modbus, KNX
- > Dedicated control solutions for applications such as technical cooling, shops, hotels, ...
- Daikin Cloud Service for online control, energy monitoring, comparison of multiple sites and predictive maintenance



### 7 Installation

- > Automatic refrigerant charge and refrigerant containment check
- > Unique 4-way blow ceiling suspended cassette (FXUQ)
- > Plug & play Daikin Air Handling Unit
- VRV configurator software for the fastest commissioning, configuration and customisation
- Outdoor unit display for quick on-site settings and detailed error readouts for improved customer support





7-segment display

### 8 Inventor of VRV with over 40 years of history

- > Market leader of VRV systems since 1982
- > Over 90 years of expertise in heat pump technology
- > Designed for and produced in Europe
- > Innovator setting the market standard with technologies such as Variable Refrigerant Temperature, continuous heating, Shîrudo technology, ...





### 9 For every application a solution

- > Heat recovery for simultaneous cooling and heating
- > Maximum flexibility for geothermal applications with water-cooled systems
- > Hot and cold climate solutions offering efficient cooling up to 52°C and heating down to -25°C
- > Space saving mini VRV solutions, offering the most compact VRV
- > The invisible VRV, a unique solution when the outdoor unit must be compact and completely invisible
- > Replacement solutions to replace existing systems in the most cost-effective way



### But VRV is more...

## Advantages of direct expansion (DX) systems

### Highly efficient

 Only 2 energy transfer steps maximise efficiency. Running costs of a water-based fan coil unit can be 40 to 72% higher compared to a VRV heat recovery system

Air Refrigerant

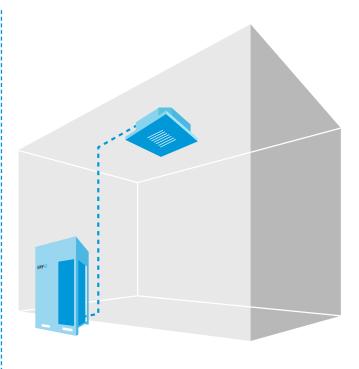
Air



# Limited space requirements

- Units have all components integrated
- > Small piping diameters
- Up to 20% less space required compared to traditional water-based systems, offering more lettable space

max. 398kg for a 20HP unit



### Quick and easy to install

All-in-one box solution without any requirement for field supplied equipment (e.g. gauges, pumps and valves)

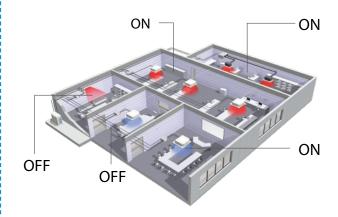
### Quick response to changing conditions

> Immediate reaction to changing conditions and precise control to 0.5°C thanks to electronic expansion valves, room thermostats, all inverter compressors and Variable Refrigerant Temperature



### Precise zone control

> Only condition areas in need for cooling or heating



#### Very low indoor unit sound levels

> Levels with a limited capacity drop in case of lower fan speeds, thanks to their Electronic Expansion Valves.

#### Compact units

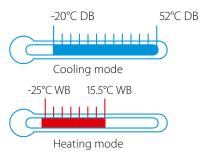
 Avoid the need for structural reinforcement or special equipment to lift units in place



# Daikin VRV strong points

### Great design flexibility

> Solutions for every climate, from -25 to +52°C



- > Long refrigerant piping
- > Zone by zone phased installation
- > Use one outdoor unit for multiple tenants



multi tenant



### Indoor Installation of outdoor units

- > 3 options
  - > ESP up to 78pa for standard air-cooled outdoor units
  - > VRV IV i-series air cooled heat pump for indoor installation
  - > VRV IV W-series water cooled unit for indoor installation

### Reliable

- Special anti corrosion treatment of the heat exchanger provides 5 to 6 times greater resistance against corrosion
- > Duty cycling extends operation life
- > Sequential start
- > Only brazed connections

### High comfort levels

- > Individual control and simultaneous cooling and heating for perfect personal environment
- Night quiet mode on outdoor units to ensure low outdoor operation sound
- > Back-up function
- > Low indoor sound levels down to 19 dBA



# VRV total solution

Typically, many buildings today rely on several separate systems for heating, cooling, air curtain heating and hot water. As a result energy is wasted. To provide a much more efficient alternative, VRV technology has been developed into

## a total solution managing up to

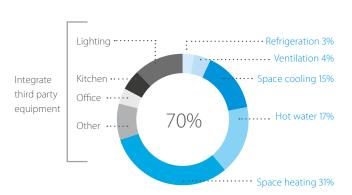
70%

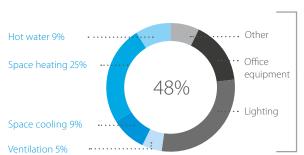
of a buildings energy consumption giving large potential to cost saving.

- Heating and cooling for year round comfort
- > Hot water for efficient production of hot water
- Underfloor heating / cooling for efficient space heating/cooling
- Fresh air ventilation for high quality environments
- Air curtains for optimum air separation
- Controls for maximum operating efficiency
- $\rightarrow$  Cooling for server rooms, telecom shelters, ... via VRV heat recovery or Sky Air units
- Refrigeration via our VRV based refrigeration units

### Average hotel energy consumption

### Average office energy consumption





Integrate third party equipment

# Offices Efficiency in the workplace

"Leading edge design in harmony with the construction and interior design."

Architect



"With Daikin we could perfectly combine the authenticity of the hotel with the latest technology and comfort."

Owner of a 5-star hotel



"Together with Daikin's technical team we have optimised the design of our HVAC system, reducing investment levels and operational costs. Daikin has offered us access to the most up to date technology."

Retail shop representative

# Residential there is no place like home

"A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort"



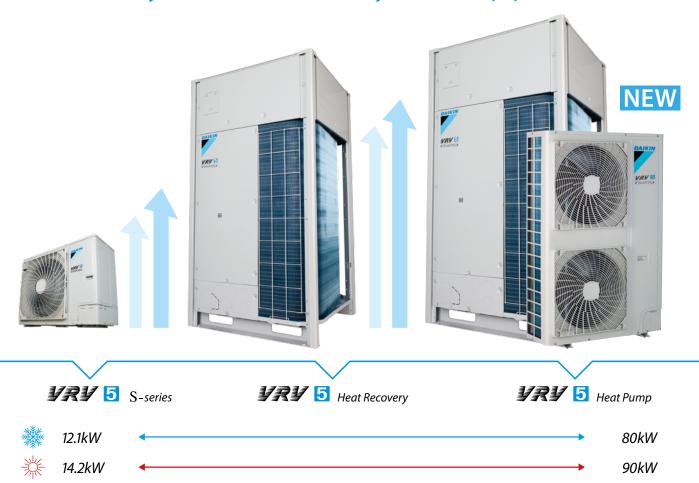








# An R-32 system for every VRV application



# The most extensive range:

Indoor ventilation & control systems



# Start to decarbonize commercial buildings today!



Market-leading seasonal efficiency makes VRV5 more sustainable over it's entire lifecycle, reducing the indirect CO<sub>2</sub> eq.



Specifically built for lower GWP R-32 refrigerant, greatly reducing the reducing the potential direct CO<sub>2</sub> impact with 71% compared to R-410A systems



The perfect partner for BREEAM, LEED and other green building schemes

# Ultra-flexible climate control



Wide piping flexibility to tackle any VRV application



Widest range of dedicated R-32 indoor units on the market



Easily integrates HRV and AHU ventilation units



5 low sound steps



High ESP fans allowing concealed installation





# Shîrudo Technology truly sets VRV 5 apart

- > Complete peace of mind as Daikin provides all required tools to ensure compliance to the IEC product standard
- Factory supplied refrigerant control measures make the VRV 5 quick and flexible to design without the need for complex and time consuming calculations
- > For stress free design of any commercial building, validate your project in our Xpress software, featuring floor plan integration

# VRV 5 outdoor unit overview

Capacity class (kW)

	Model	Product name		4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	VRV indoor units	Residential indoor units	HBV units VAM	HRV units FKVDX	AHII connection	Air curtains	Remarks
	Cooling Capacity						22.4	28.0	33.5	36.4	40.0	45.0	50.4	56.0	61.5	67.4	73.5	78.5							
	Heating Capacity						25.0	31.5	37.5	41.0	45.0	50.0	56.5	63.0	69.0	75.0	82.5	87.5			1				
Air-cooled heat recovery	Reduced CO <sub>2</sub> equivalent thanks to the use of lower GWP refrigerant R-32     Top sustainability over the entire lifecycle     heat    Free' heating through heat recovery     Tackle small room applications thanks to Shîrudo Technology     The perfect personal comfort thanks to simultaneous cooling and heating	REYA-A					•	•	•	•	•	•	•	•	•	•	•	•	0		c	) c	MENIC	O NEW	
Air-cooled heat pump	heat IITECYCIE	RXYA-A					•	•	•	•	•	•	•	•					0		C	) c	MENIC	O NEW	
Air-c heat	the use of lower GWP refrigerant R-32  Top sustainability over the entire	RXYSA-	1~	•	•	•																	NEW	NEW	> Standard total system
	S-series lifecycle > Unique low -height single fan range > Tackle small room applications thanks to Shîrudo technology	AV1/AY1	3~	•	•	•	• NEW	● NEW	• NEW										0		C	0 0			connection ratio limit: 50 ~ 130%

Single unit,
 Multi combination

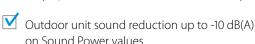
## Sound enclosure for VRV5 S-series



Very low capacity and pressure drop



Fast & easy installation & servicing







# Shîrudo Technology truly sets VRV 5 apart

- > Complete peace of mind as Daikin provides all required tools to ensure compliance to the IEC product standard
- > Factory-integrated refrigerant control measures make the VRV 5 quick and flexible to design without the need for complex and time consuming calculations
- > For stress free design of any commercial building, validate your project in our Xpress software, featuring floor plan integration

# Shîrudo Technology ensures full peace of mind



Best in class design versatility: Shîrudo Technology allows easy installation of R-32 VRV in any room



Maximum installation flexibility, thanks to factory provided refrigerant control measures



**3<sup>rd</sup> party certification** according to the product standard IEC60335-2-40

Check out the Shîrudo Technology video!

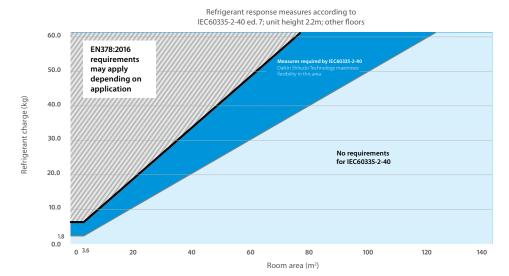




# Did you know... different standards regarding safety exist?

Refrigerants can be classified according to 2 safety groups:

- > Toxicity (A or B): covered by the generic standard on refrigerants **EN378:2016.**
- > Flammability (1, 2L, 2, 3): covered by the specific heat pump standard **IEC60335-2-40** as it prevails over EN378:2016. Shîrudo Technology ensures full peace of mind with the IEC60335-2-40 standard.



# With Shîrudo Technology you avoid:

- > Additional installation and commissioning work
  - What type of safety measures to choose?
  - > Where to place them?
  - > What about the visual impact?
- > Additional work and considerations in case of layout changes
- > Periodic maintenance checks



# What is included in Shîrudo Technology?



Leak detection sensor in every indoor unit



Audible & visual alarm in Madoka controller



Shutoff valves in the outdoor unit or SV box



Specially developed algorithms





# Purpose-built to support the decarbonisation of commercial buildings

Support your customers in future-proofing their buildings with a breakthrough solution for sustainable climate control.

Now, more than ever, we all have a part to play in reducing our environmental impact. That's why Daikin is introducing the VRV 5 Heat Recovery unit with innovative new superpowers that make it a future-proof climate solution. Smarter and more responsive than ever – it offers you and your customers complete peace of mind.

Help your customers reduce their CO<sub>2</sub> footprint now while enjoying maximum comfort and ease of use. Visit **www.daikin.eu/VRV5HR** to learn more about the VRV 5 Heat Recovery unit.



# Advantages of 3-pipe technology

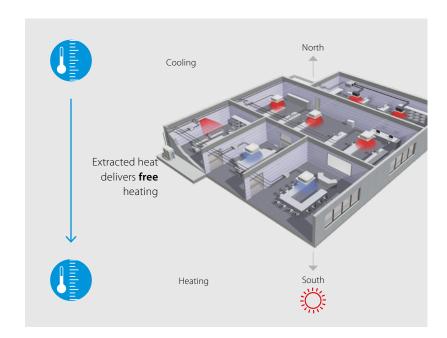
# "Free" heat production

An integrated heat recovery system reuses heat from offices and server rooms to warm other areas.

### Maximum comfort

A VRV heat recovery system allows simultaneous cooling and heating.

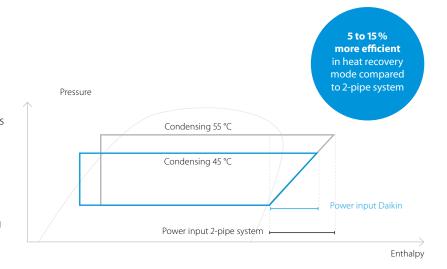
- > For hotel owners, this means they can freely choose between cooling or heating to create a perfect environment for guests.
- > For offices, it means a perfect working indoor climate for both north and south-facing offices.



### More "free" heat

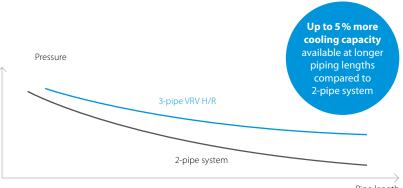
Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.



# Lower pressure drop means more efficiency

- Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency
- Disturbed refrigerant flow in large gas pipe on
   2-pipe system results in larger pressure drop



## **VRV 5 Heat Recovery**

### Purpose-built to support the decarbonisation of commercial buildings

- > Reduced CO<sub>2</sub> equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- > Single component refrigerant, easy to re-use and recycle
- > Greatest sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- > "Free" heating through efficient 3-pipe heat recovery, transferring heat from areas requiring cooling to areas requiring heating
- > Tackle small room applications without any additional measures, thanks to Shîrudo technology
- > Specially designed indoor units for R-32, ensuring low sound and maximum efficiency
- > Simultaneous cooling and heating for the perfect personal comfort of guests/tenants
- > Like for like R-410A installation flexibility with piping lengths up to 165 meters and a total length of 1,000 meters
- > Sound pressure down to 40 dB(A) thanks to 5 low sound steps
- > ESP up to 78 Pa to allow ducting
- > Wide operation range of up to +46°C in cooling and down to -20°C in heating
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor



Lower CO. equivalents



5 low sound steps

More details and final information can be found by scanning or clicking the QR codes.

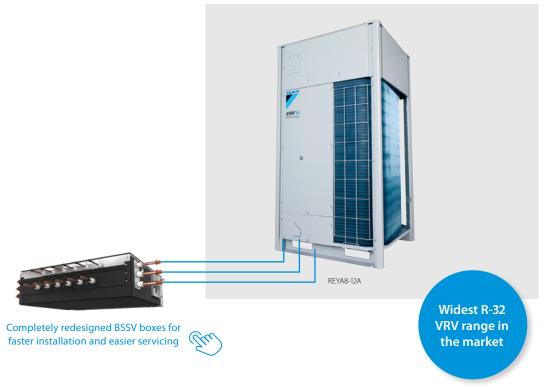


REYA-A

Outdoor unit			REYA	8A	10A	12A	14A	16A	18A	20A
Capacity range			HP	8	10	12	14	16	18	20
Cooling capacity	Prated,c		kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
Heating capacity	Prated,h		kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB	kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
Recommended cor	mbination			4 x FXFA50A2VEB	4 x FXFA63A2VEB	6 x FXFA50A2VEB	1 x FXFA50A2VEB + 5 x FXFA63A2VEB	4 x FXFA63A2VEB + 2 x FXFA80A2VEB		8 x FXFA63A2VE
ηs,c			%	290.8	282.6	285.3	306.1	281.0	280.6	262.2
ηs,h			%	161.5	170.2	176.4	168.3	167.5	172.5	162.7
SEER				7.35	7.14	7.21	7.73	7.10	7.09	6.63
SCOP				4.11	4.33	4.49	4.28	4.26	4.39	4.14
Maximum number	of connec	table indoor units					64			
Indoor index	Min.			100	125	150	175	200	225	250
connection	Max.			260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth	mm		1,685x930x765			1,685x1,	240x765	
Weight	Unit		kg		213		25	96	3	19
Sound power level	Cooling	Nom.	dBA	78.3	78.8	82.5	78.7	83.7	83.4	87.9
Sound pressure level	Cooling	Nom.	dBA	56.3	58.0	60.8	58.1	61.4	63.0	67.0
Operation range	Cooling	Min.~Max.	°CDB				-5~46			
	Heating	Min.~Max.	°CWB				-20~16			
Refrigerant	Type/GW	P					R-32/675.0			
	Charge		kg/TCO2Eq		9.00/6.08			10.6	/7.16	
Piping connections	Liquid	OD	mm	9.	52			12.7		
	Gas	OD	mm	19.1		22	2.2		28.6	
	HP/LP ga	s OD	mm	15	5.9		19	9.1		22.2
	Total piping length	g System Actual	m				1,000			
Power supply	Phase/Fre	equency/Voltage	Hz/V				3N~/50/380-41	5		
Current - 50Hz	Maximur	n fuse amps (MFA)	Α	20	25	3	2	4	10	50







Outdoor unit Syst	em		REYA	10A	13A	16A	18A	20A	22A	24A	26A	28A
System	Outdoor	unit module 1		REM	1A5A		REYA8A		REYA10A	REYA8A	REY	A12A
	Outdoor	unit module 2		REMA5A	REY	A8A	REYA10A	REY	A12A	REYA16A	REYA14A	REYA16A
Capacity range			HP	10	13	16	18	20	22	24	26	28
Cooling capacity	Prated,c		kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
Heating capacity	Prated,h		kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
	Max.	6°CWB	kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5
Recommended cor	nbination				3 x FXFA50A2VEB + 3 x FXFA63A2VEB		4 x FXFA50A2VEB + 4 x FXFA63A2VEB	10 x FXFA50A2VEB	6 x FXFA50A2VEB + 4 x FXFA63A2VEB	4xFXFA50A2VEB+ 4xFXFA63A2VEB+ 2xFXFA80A2VEB	7 x FXFA50A2VEB + 5 x FXFA63A2VEB	4 x FXFA63A2VEB 2 x FXFA80A2VE
ηs,c			%	301.9	296.5	293.0	287.5	287.6	283.6	283.4	296.2	282.8
ηs,h			%	160.6	161.5	170.9	170.5	172.2	173.3	165.2	172.0	171.5
SEER				7.62	7.49	7.40	7.26	7.27	7.17	7.16	7.48	7.15
SCOP				4.09	4.11	4.35	4.34	4.38	4.41	4.20	4.38	4.36
Maximum number	of connec	table indoor units						64				
Indoor index	Min.			125	163	200	225	250	275	300	325	350
connection	Max.			325	423	520	585	650	715	780	845	910
Piping connections	Liquid	OD	mm	9.52			12	2.7			15	5.9
	Gas	OD	mm	19.1		22.2				28.6		
	HP/LP gas	OD	mm	15.90		19.10				22.20		
	Total piping length	System Actual	m			500				1,0	000	
Power supply	Phase/Fre	equency/Voltage	Hz/V				31	N~/50/380-4	15			
Current - 50Hz	Maximur	n fuse amps (MFA)	А		40		5	0		6	i3	
Outdoor unit mod	lule		REMA					5A				
Dimensions	Unit	HeightxWidthxDepth	mm				1,	,685x930x76	55			
Weight	Unit		kg					213				
Fan	External static pressure	Max.	Pa					78				
Sound power level	Cooling	Nom.	dBA					78.3				
Sound pressure level	Cooling	Nom.	dBA					56.3				
Operation range	Cooling	Min.~Max.	°CDB					-5~46				
	Heating	Min.~Max.	°CWB					-20~16				
Refrigerant	Type/GW	P						R-32/675.0				
-	Charge		kg					9.00/6.08				
Power supply		equency/Voltage	Hz/V				18	N~/50/380-4	15			
Current - 50Hz		n fuse amps (MFA)	Α					20				

Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system ( $50\% \le CR \le 120\%$ ) | Contains fluorinated greenhouse gases

# Multi branch selector (BSSV) for VRV 5 Heat Recovery

## Specifically developed for lower GWP R-32

- Reduced CO<sub>2</sub> equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Unique range of multi BS boxes allowing efficient 3-pipe heat recovery
- CO2



Reduced CO, equivalent

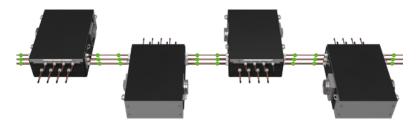
Flexibility to take care of every room

No limitation on room size, thanks to **Shîrudo Technology** (1)
The integrated shut-off valves in the BSSV box ensure that in case of a refrigerant leak only the specific branch is closed off.

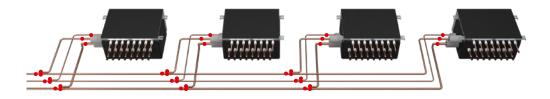
# Completely redesigned for faster installation and easier servicing

> Faster installation thanks to **Refrigerant Flow Through** reducing the number of brazing points and joint kits

### VRV 5: only 24 brazings point and no joint kits



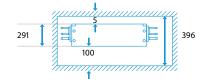
VRV IV: 39 brazing points and 3 joint kits



> Easy servicing in false ceillings thanks to **sliding down PCB** 



 Limited ceiling void required as the box can be installed at just 5mm from the ceiling







- Unique range of multi BS boxes allowing efficient 3-pipe heat recovery
- > NEW No limitation on room size, thanks to Shîrudo Technology (1)
- > NEW Faster installation thanks to Refrigerant Flow Through reducing the number of brazing points and joint kits
- > NEW Easy servicing in false ceilings thanks to sliding down PCB
- > NEW Limited ceiling void required as the box can be installed at just 5mm from the ceiling
- NEW Quick on-site settings, indication of service parameters and easy read out of errors thanks to 7 segment display
- > Up to 16kW capacity available per port
- > Connect up to 250 class unit (28kW) by combining 2 ports
- > No limit on unused ports allowing phased installation
- > Faster installation thanks to open port connection
- > Allows multi tenant applications
- > Connectable to REYA-A heat recovery units



More details and final information can be found by scanning or clicking the QR codes.



BS-A14AV1B

Branch selector				BS	4A14AV1B	6A14AV1B	8A14AV1B	10A14AV1B	12A14AV1B						
Maximum number o	of connectable ind	oor units			20	30	40	50	60						
Maximum number o	of connectable ind	oor units p	er branch				5								
Number of branches	S				4	6	8	10	12						
Maximum capacity i	index of connectal	ole indoor	units		400	600		750							
Maximum capacity i	index of connectal	ole indoor	units per branch			140 (	250 if 2 ports are comb	ined)							
Dimensions	Unit	HeightxV	VidthxDepth	mm	291x600x845	291x1,0	000x845	291x1,4	00x845						
Weight	Unit			kg	40	56	65	83	89						
Casing	Material						Galvanised steel plate	1							
Piping connections	Outdoor unit or	Liquid	Туре				Brazing connection								
	Refrigerant Flow		OD	mm			9.52(2)/12.7(2)/15.9								
	Through	Gas	Туре				Brazing connection								
			OD	mm 15.9(2)/19.1(2)/22.2(2)/28.6											
Discharge Type Brazing connection															
		gas	OD	mm	12.7(2)/15.9(2)/19.1(2)/22.2										
	Indoor unit	Liquid	Туре				Brazing connection								
			OD	mm			6.35(3)/9.52(4)								
		Gas	Туре												
			OD	mm			9.52(5)/12.7(6)/15.9(4)								
	Drain						VP20 (I.D. 20/O.D. 26)								
BS units connected	Maximum allowe	d amount	of BS units				4								
in Refrigerant Flow	Maximum total n	umber of p	oorts of BS units				16								
Through	Maximum total ca	apacity inc	lex of indoor unit				750								
Sound absorbing th	ermal insulation					Ureth	ane foam, polyethylen	e foam							
BS box system	Dust connection		on unit	mm			160.0								
safety requirements	Dust connection	positions					Left/Right								
Power supply	Phase						1~								
	Frequency			Hz			50								
	Voltage			V			220-440								
	Maximum fuse ar	nps (MFA)		Α			15								

Contains fluorinated greenhouse gases | (1) Refer to Xpress selection software to ensure compliance to specific product standard. Field supplied duct and fan might be required to install the BS box in very small spaces | (2) Accessory pipe required | (3) When connecting indoor units smaller or equal to 80 class (no need to cut the outlet pipe) | (4) When connecting indoor units larger or equal to 100 class (the outlet pipe needs to be cut) | (5) When connecting indoor units smaller or equal to 32 class (no need to cut the outlet pipe) | (6) When connecting indoor units between 40 & 80 class (the outlet pipe needs to be cut)

# **VRV 5 Heat Pump**

# Purpose-built to support the decarbonisation of commercial buildings

- > Reduced CO<sub>2</sub> equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- > Single component refrigerant, easy to re-use and recycle
- Greatest sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- Tackle small room applications without any additional measures, thanks to Shîrudo Technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency
- > Like for like R-410A installation flexibility with piping lengths up to 165 meters and a total length of 1,000 meters
- > Sound pressure down to 40 dB(A) thanks to 5 low sound steps
- > ESP up to 78 Pa to allow ducting
- > Wide operation range of up to +46°C in cooling and down to -20°C in heating
- > Incorporates VRV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB



**Lower CO<sub>2</sub> equivalents** 



5 low sound steps

More details and final information can be found by scanning or clicking the QR codes.



Outdoor unit			RXYA	8A	10A	12A	14A	16A	18A	20A			
Capacity range			HP	8	10	12	14	16	18	20			
Cooling capacity	Prated,c		kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0			
Heating capacity	Prated,h		kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0			
	Max.		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0			
Recommended cor	nbination			4xFXFA50A2VEB	4xFXFA63A2VEB	6xFXFA50A2VEB	1xFXFA50A2VEB + 5xFXFA63A2VEB	4xFXFA63A2VEB + 2xFXFA80A2VEB	3xFXFA50A2VEB + 5xFXFA63A2VEB	8xFXFA63A2VEE			
ηs,c			%	287.3	279.3	278.7	302.2	276.6	271.6	257.6			
ηs,h			%	161.1	170.4	179.5	170.2	170.2	170.2	161.4			
SEER				7.26	7.06	7.04	7.67	6.99	6.87	6.52			
SCOP				4.11	4.33	4.49	4.28	4.26	4.39	4.14			
Maximum number	of connec	table indoor units					64						
Indoor index	Min.			100	125	150	175	200	225	250			
connection	Max.			260	325	390	455	520	585	650			
Dimensions	Unit	HeightxWidthxDepth	mm		1,685x930x765			1,685x1,	240x765				
Weight	Unit		kg		214		2	97	3:	20			
Sound power level	Cooling	Nom.	dBA	78.3	78.8	82.5	79.5	83.7	83.4	87.9			
	Heating	Nom.	dBA	79.4	80.7	83.3	82.9	86.3	85.1	89.6			
Sound pressure leve	l Cooling	Nom.	dBA	56.3	58.0	60.8	8 59.0 61.6 63.0						
Operation range	Cooling	Min.~Max.	°CDB				-5 ~46						
	Heating	Min.~Max.	°CWB				-20 ~16						
Refrigerant	Type/GW	Р					R-32/675.0						
	Charge		kg/TCO2Eq		9.00/6.08			10.6	/7.16				
Piping connections	Liquid	OD	mm	9.	52			12.7					
	Gas	OD	mm	19	9.1	22	2.2		28.6				
	Total piping length	g System Actual	m				1,000						
	Phase/Fre	equency/Voltage	Hz/V				3N~/50/380-41	5					
Current - 50Hz	Current - 50Hz Maximum fuse amps (MFA)				25	3	2	4	10	50			







<b>Outdoor unit Syst</b>	em		RXYA	10A	13A	16A	18A	20A				
System	Outdoor	unit module 1		RYN	1A5A		RXYA8A					
	Outdoor	unit module 2		RYMA5A	RXYA8A		RXYA10A	RXYA12A				
Capacity range			HP	10	13	16	18	20				
Cooling capacity	Prated,c		kW	28	36.4	44.8	50.4	55.9				
Heating capacity	Prated,h		kW	28	36.4	44.8	50.4	55.9				
	Max.		kW	32	41	50	56.5	62.5				
Recommended cor	nbination			4xFXFA63A2VEB	3xFXFA50A2VEB + 3xFXFA63A2VEB	4xFXFA63A2VEB + 2xFXFA80A2VEB	4xFXFA50A2VEB + 4xFXFA63A2VEB	10xFXFA50A2VEB				
ηs,c			%	299.1%	293.8%	281.9%	284.1%	283.2%				
ηs,h			%	160.6%	161.5%	170.9%	170.5%	172.2%				
SEER				7.55	7.42	7.12	7.18	7.16				
SCOP				4.09	4.11	4.35	4.34	4.38				
Maximum number	of connec	table indoor units				64						
Indoor index	Min.			125	163	200	225	250				
connection	Max.			325	423	520	585	650				
Sound power level	Cooling		dBA	81.3	81.3	81.3	81.6	83.9				
Sound pressure level	Cooling		dBA	59.3	59.3	59.3	60.2	62.1				
Piping connections	Liquid	OD	mm	9.5	12.7	12.7	12.7	12.7				
	Gas	OD	mm	19.1	22.2	28.6	28.6	28.6				
	Equilizing	g pipe		19.1	19.1	19.1	19.1	19.1				
	Total piping length	g System Actual	m			500						
Power supply	Name					Y1						
	Phase/Fre	equency/Voltage	Hz/V			3N~/50/380-415						
Current - 50Hz	Maximur	n fuse amps (MFA)	A	40	40	40	50	50				
Outdoor unit			RXMA			5A						
Dimensions	Unit	HeightxWidthxDepth	mm			1,685x930x765						
Weight	Unit		kg			214						
Sound power level	Cooling	Nom.	dBA			78.3						
	Heating	Nom.	dBA			79.4						
Sound pressure level	Cooling	Nom.	dBA			56.3						
Operation range	Cooling	Min.~Max.	°CDB			-5 ~46						
	Heating	Min.~Max.	°CWB			-20 ~16						
Refrigerant	Type/GW	P				R-32/675.0						
	Charge		kg/TCO2Eq			9.00/6.08						
	Phase/Fre	equency/Voltage	Hz/V			3N~/50/380-415						
Current - 50Hz	Maximur	n fuse amps (MFA)	Α	A 20								

Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%) | Contains fluorinated greenhouse gases





### **VRV 5 S-series**

### Lower CO<sub>2</sub> equivalent and market-leading flexibility

- > Reduced CO<sub>2</sub> equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- > Low-height single fan range
- > Easy to transport thanks to lightweight and compact design
- > Wide access area to easily reach all key components
- > Tackle small room applications without any additional measures, thanks to Shîrudo technology
- > Specially designed indoor units for R-32, ensuring low sound and maximum efficiency







Reduced CO<sub>2</sub> equivalent

Flexibility to take care of every room

More details and final information can be found by scanning or clicking the QR codes.



RXYS A-AV



									NEW	NEW	NEW		
Outdoor unit			RXYSA	4AV1	5AV1	6AV1	4AY1	5AY1	6AY1	8AY1	10AY1	12AY1	
Capacity range			HP	4	5	6	4	5	6	8	10	12	
Cooling capacity	Prated,c		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5	
Heating capacity	Prated,h		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5	
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5	
Recommended con	nbination			3x FXSA25A2VEB + 1x FXSA32A2VEB	4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB		4x FXSA32A2VEB	2x FXSA32A2VEB + 2x FXSA40A2VEB	4xFXSA50A2VEB	4 x FXSA63A2VEB	6 x FXSA50A2VEB	
ηs,c			%	324.5	306.1	301.0	312.5	294.8	289.9	251.4%	274.2%	255.8%	
ηs,h			%	200.5	185.7	183.6	193.1	178.8	176.8	173.8%	173.8%	182.6%	
SEER				8.2	7.7	7.6	7.9	7.4	7.3	6.4	6.9	6.5	
SCOP				5.1	4	l.7	4.9	4	.5	4.4	4.4	4.6	
Maximum number	of connect	table indoor units		13 (1)	16 (1)	18 (1)	13 (1)	16 (1)	18 (1)	26 (1)	32 (1)	39 (1)	
Indoor index					62.5	70.0	50.0	62.5	70.0	100.0	125.0	150.0	
connection	Max.			130.0	162.5	182.0	130.0	162.5	182.0	260.0	325.0	390.0	
Dimensions	Unit	HeightxWidthxDepth	mm			869x1,1	00x460			1,430x940x320	1,615x9	40x460	
Weight	Unit		kg			10		144	18	30			
Sound power level	Cooling	Nom.	dBA	67.0	68.1	69.0	67.0	68.1	69.0	73.2	74.0	76.1	
	Heating	Prated,h	dBA	69.0	70.0	71.0	69.0	70.0	71.0	73.5	74.0	76.0	
Sound pressure level	Cooling	Nom.	dBA	49.0	5	1.0	49.0	51	1.0	58.1	57.0	60.0	
Operation range	Cooling	Min.~Max.	°CDB			-5 -	~46				-5~52		
	Heating	Min.~Max.	°CWB			-20	~16				-20~15.5		
Refrigerant	Type/GW	P				R-32/	675.0				R-32/675.0		
	Charge		kg/TCO2Eq			3.40		5.2/3.51	7/4.73	7.1/4.79			
Piping connections	mm			9.		9.5	9.5	12.7					
	Gas	OD	mm			15		19.1 19.1 22.2					
	Total piping length	System Actual	m	m 300						300			
Power supply	Phase/Fre	equency/Voltage	Hz/V	/V 1~/50/220-240 3N~/50/380-415					<b>1</b> 15	3N~	/50-60/380	-415	
Current - 50Hz	Α	A 32 16						2	5	32			

(1)The actual number of units depends on the connection ratio (CR) and the restrictions for the system. | Contains fluorinated greenhouse gases







# Optional Shut off valve box (SV) for VRV 5 Heat Pump

# To tackle even the most stringent applications in a future proof way

- > For the vast majority of applications the factory integrated measures tackle the IEC requirements.
- In case of very small rooms an optional SV box ensures compliance to IEC60335-2-40 for any room.



- > No limitation on room size
- > Fast installation thanks to Refrigerant Flow Through reducing the number of brazing points and joint kits
- > Easy servicing in false ceilings thanks to sliding down PCB
- Limited ceiling void required as the box can be installed at just5mm from the ceiling
- > Up to 16kW capacity available per port
- > Connect up to 250 class unit (28kW) by combining 2 ports
- > Connectable to RXYA-A and RXYSA8-10-12AY1 units



### Combination table

	RXYSA4-5-6AV1/AY1	RXYSA8-10-12AY1	RXYA-A
SV1A25A	-	✓	✓
SV6A14A	-	✓	✓
SV8A14A		✓	✓

More details and final information can be found by scanning or clicking the QR codes.



SV-A

Branch selector				BS	SV1A25AJV1B		SV*A14AJV1B						
Amount of ports					1	4	6	8					
Maximum numbe	r of connectable ir	ndoor unit	S		5	20	30	40					
Maximum numbe	r of connectable ir	ndoor unit	s per branch		5	5	5	5					
Number of branch	ies				1	4	6	8					
Maximum capacit	y index of connec	table indo	or units		250	400	600	650					
Maximum capacit	y index of connec	table indo	or units per brar	ich	250	2	140 per port 50 if 2 ports are combined	1					
Dimensions	Unit	HeightxW	/idthxDepth	mm	291x600x845 291x1,000x845								
Piping	Outdoor unit or		Туре			Brazing connection							
connections	Through												
	Through	Gas	Туре			Brazing co	nnection						
		.2											
	Indoor unit	Liquid											
			OD	mm									
		Gas	Туре			Brazing co	nnection						
			OD	mm	9.52/12.7(1)/15.9(1)/19.1(2)		9.52/12.7(1)/15.9(1)						
	Drain					VP20 (I.D. 2	20/O.D. 26)						
	Maximum allowed	ed amount	of BS/SV units.			4							
Refrigerant Flow	Maximum total nu	umber of po	orts of BS/SV units	5		1	5						
Through	Maximum total c	apacity inc	lex of indoor unit	t	650								
ound absorbing	thermal insulation					Urethane foam, p	olyethylene foam						
ower supply Phase						1.	~						
Frequency Hz						5	0						
Frequency         Hz         50           Voltage         V         220-440           Maximum fuse amps (MFA)         A         15													

(1) Can be used by cutting pipe | (2) Accessory pipe needed







## VRV 5 indoor unit overview

Capacity class (kW)

Туре	Model	Prod	uct name	10	15	20	25	32	40	50	63	71	80	100	125	140	200	250	
cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort > Auto cleaning function ensures high efficiency > Intelligent sensors save energy and maximize comfort > Flexibility to suit every room layout > Lowest installation height in the market! > Widest choice ever in decoration panel designs and colors	FXFA-A			•	•	•	•	•	•		•	•	•			S	UV treamer kit
Ceiling mounted o	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling  > Perfect integration in standard architectural ceiling tiles  > Blend of iconic design and engineering excellence    Intelligent sensors save energy and maximize comfort  > Small capacity unit developed for small or well-insulated rooms  > Flexibility to suit every room layout	FXZA-A		•	•	•	•	•	•									
Cei	NEW 1-way blow cassette	1-way blow unit for corner installation     Compact dimensions enable installation in narrow ceiling voids     Flexible installation thanks to different air discharge options     New modern decoration panel	<b>Г</b> ХКА-А			•	•	•	•	•									vailable nmer '2
ō	Slim concealed ceiling unit	Slim design for flexible installation  Compact dimensions enable installation in narrow ceiling voids  Medium external static pressure up to 44Pa  Only grilles are visible  Small capacity unit developted for small of well-insulated rooms  Reduced energy consumption thanks to DC fan motor	FXDA-A	•	•	•	•	•	•	•	•								Auto aning filt option
Concealed ceiling	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market!  > Slimmest unit in class, only 245mm  > Low operating sound leve!  > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths  > Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSA-A	QUE R-32	•	•	•	•	•	•	•		•	•	•	•			
	NEW Concealed ceiling unit with high ESP	ESP up to 270 Pa, ideal for extra large sized spaces  > Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment  > Large capacity unit: up to 31.5 kW heating capacity	FXMA-A							•	•		•	•	•		•	•	
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space  > Flat, stylish front panel is more easy to clean  > Small capacity unit developted for small of well-insulated rooms  > Reduced energy consumption thanks to DC fan motor  The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAA-A		•	•	•	•	•	•	•								
pepued	NEW Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space  > Ideal for comfortable air flow in wide rooms thanks to Coanda effect > Rooms with ceilings up to 3.8m can be heated or cooled very easily! > Can easily be installed in both new and refurbishment projects > Can even be mounted in corners or narrow spaces without any problem	FXНА-А					•		•	•			•					
Ceiling suspended	NEW & UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space  > Rooms with ceilings up to 3.5m can be heated up or cooled down very easily!  > Can easily be installed in both new and refurbishment projects  > Flexibility to suit every room layout	FXUA-A							•		•		•					
Cooling	g capacity (kW	ŋ <sup>ı</sup>		-	_	-	-	-	_				9.0						
Heating	g capacity (kW	<sup>(1)2</sup>		1.3	1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5	

- (1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m
- $(2) \ Nominal \ heating \ capacities \ are \ based \ on: indoor \ temperature: 20^{\circ}CDB, outdoor \ temperature: 7^{\circ}CDB, 6^{\circ}CWB, equivalent \ refrigerant \ piping: 5m, level \ difference: 0m \ difference:$

## Biddle air curtains

Туре	Product name	Model				3.0m						
Free- hanging	CYA-S/M/L-DK-F	Easy wall mounted installation Connectable to ERQ and VRV units Unified range for R-32 and R-410A refrigerant Payback period of less then 1.5 years compared to installing an electric air curtain	Door height (m)	2.3m	2.5m		2.15m	2.4m	2.75m	2.0m	2.3m	2.5m
Cassette	CYA-S/M/L-DK-C	Mounted into a false ceiling leaving only the decoration panel visible  > Connectable to ERQ and VRV units  > Unified range for R-32 and R-410A refrigerant  > Payback period of less then 1.5 years compared to installing an electric air curtain	1-	S	М	L	S	М	L	S	М	L
Recessed	HXHD-A8	Neatly concealed in the ceiling Connectable to ERQ and VRV units Unified range for R-32 and R-410A refrigerant Payback period of less then 1.5 years compared to installing an electric air curtain	Installation condition	ex: cov	ourab vered sho r revolvir entrance	opping ng	no opp doors, l	nal e direct v osite op building I floor or	en with	ex: loc corner multip	avour ation at or squa le floors or open	a re,

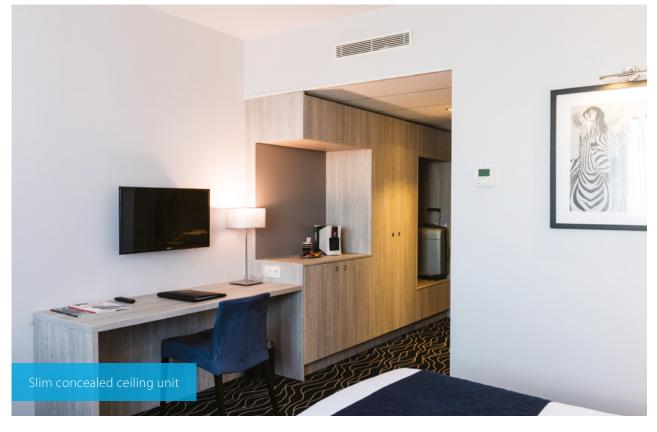


we care	Home leave operation Fan only  Auto cleaning	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.	FXFA-A	FXZA-A	FXDA-A	FXSA-A	NEW EXMA-A	FXAA-A	FXHA-A	EVIIA A
5	operation Fan only			M				FAAA-A	глпа-а	FXUA-A
5	operation Fan only									
We care	_	conflort level during absence, thus saving energy.	•	•	•	•	•	•	•	•
We care	Auto cleaning	The unit can be used as fan, blowing air without heating or cooling.	•	•	•	•	•	•	•	•
ונונט	filter filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.	0		0					
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.	0	0						NEW o
2	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. fter warming up, air discharge and fan speed are set as desired.	•	•						•
Comfort	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.	•	•	•	•		•		
Į <u>A</u>	Auto cooling- heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	•	•	•	•	•	•	•	•
STREAM		Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment	•							
Air treatment	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.	(Optional high efficiency filter ePM10 60%)	• (2)	• (2)	• (2)	(2) Optional pre filter and high efficien- cy filter available (200-250)		• (2)	• (2)
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.	•	•	•	•	•	•	•	•
\$\langle\$	Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains.	•	•						
>	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room.	•	•				•	•	•
Air flow	Fan speed steps	Allows to select up to the given number of fan speed.	5 + auto	3 + auto	3	3 + auto	3 (50-125) 3 + auto (200-250)	3 + auto	3	3 + auto
×	Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.	•	•						•
ner Form	Onecta controller (BRP069C51)	Control your indoor climate from any location via smartphone or tablet.	0	0	0	0	0	0	0	0
ol & tjr	Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis.	0	0	o	0	0	0	0	0
contr	Infrared remote control	Starts, stops and regulates the air conditioner from a distance.	<b>o</b> (1)	<b>o</b> (1)	<b>o</b> (1)	<b>o</b> (1)	<b>o</b> (1)	o (1)	<b>o</b> (1)	o (1)
Semote control & timer	Wired remote control	Starts, stops and regulates the air conditioner.	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)	• (3)
	Centralised control	Starts, stops and regulates several air conditioners from one central point.	0	0	0	0	o	0	0	0
\$ 4 AVE	Auto-restart	The unit restarts automatically at the original settings after power failure.	•	•	•	•	•	•	•	•
ntcions	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.	•	•	•	•	•	•	•	•
Other funtcions	Drain pump kit	Facilitates condensation draining from the indoor unit.	•	•	•	•	•	•	0	•
	Multi tenant	The indoor unit's main power supply can be turned off when leaving the hotel or office building.	<b>o</b> (4)	<b>o</b> (4)	<b>o</b> (4)	<b>o</b> (4)	<b>o</b> (4)	<b>o</b> (4)	<b>o</b> (4)	

<sup>(1)</sup> Must be combined with Madoka wired remote controller.
(2) Pre filter
(3) BRC1H52W/S/K is a required option
(4) Only in combination with REYA outdoors













# The round flow cassette

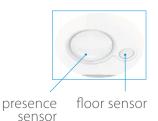
- > Maximum comfort thanks to 360° air discharge and intelligent sensors
- > Widest ever choice in panels to match any interior













- > Auto cleaning panel keeps the filter free of dust for maximum efficiency
- > UV streamer kit
- Purifies the air of pollutants such as viruses, bacteria, fine dust PM1, oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment
  - Unique catch & clean approach includes an ISO ePM1 60% (F7) filter, UV-C light and Streamer technology
  - > Can be retrofitted into existing installations



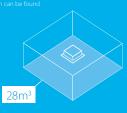


### **Tested at Intertek**

the laboratories of Intertek, in a 28m<sup>3</sup> room Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

\* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room





View full test report



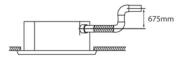




### Round flow cassette

### 360° air discharge for optimum efficiency and comfort

- > Optimised design for R-32 refrigerant
- > Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- > Bigger flaps and unique swing pattern improve equal air distribution
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Lowest installation height in the market: 214mm for class 20-63
- NEW > UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
  - > Optional fresh air intake
  - > Standard drain pump with 675mm lift increases flexibility and installation speed













White panel

White auto cleaning panel

Black panel

Black design panel

More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit		FXFA				25A	32A	40A	50A	63A	80A	100A	125A		
Cooling capacity	Total capacity	At high fa	an speed	kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00		
Heating capacity	Total capacity	At high fa	an speed	kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00		
Power input - 50Hz	Cooling	At high fa	an speed	kW		0.017		0.018	0.023	0.028	0.045	0.078	0.103		
	Heating	At high fa	an speed	kW		0.017		0.018	0.023	0.028	0.045	0.078	0.103		
Dimensions	Unit	HeightxV	WidthxDepth	mm			204x8	340x840			246x84	288x840x840			
Weight	Unit			kg		18		19		21	2	.4	26		
Casing	Material							Galva	anised steel	plate					
Decoration panel	Model				Standard p	tandard panels: BYCQ140E2W1 - white with grey louvers / BYCQ140E2W1W - full white / BYCQ140E2W1B - blac Auto cleaning panels: BYCQ140E2GFW1 - white / BYCQ140E2GFW1B - black Designer panels: BYCQ140E2P - white / BYCQ140E2PB - black									
	Dimensions	HeightxV	WidthxDepth	mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x95										
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5										
	Air flow rate - 50Hz	Cooling	At high / medium high / medium / medium low / low fan speed	m³/min	12.8/11.8/10.7/9.8/8.9			14.8/13.7/12.6/ 11.5/10.4	15.1/14.0/12.8/ 11.8/10.7	16.6/15.0/13.3/ 12.0/10.7	23.3/21.7/19.3/ 16.5/13.8	28.8/25.1/21.2/ 17.5/13.8	33.0/30.2/27.4/ 24.0/20.6		
		Heating	At high / medium high / medium / medium low / low fan speed	m³/min	12.8/11.8/10.7/9.8/8.9		14.8/13.7/12.6/ 11.5/10.4	15.1/14.0/12.8/ 11.8/10.7	16.6/15.0/13.3/ 12.0/10.7	23.3/21.7/19.3/ 16.5/13.8	29.0/25.1/21.2/ 17.5/13.8	33.0/30.2/27.4/ 24.0/20.6			
Air filter	Type				Resinnet										
Sound power level	Cooling	At high fa	an speed	dBA		49.0			51.0 53			60.0	61.0		
Sound pressure level	Cooling		medium high / / medium low / peed	31.0/3	31.0/30.0/29.0/29.5/28.0			33.0/32.0/31.0/30.0/29.0 35.0/34. 32.0/			43.0/41.0/37.0/ 34.0/30.0	45.0/43.0/41.0/ 39.0/36.0			
	Heating		medium high / / medium low / peed	31.0/3	31.0/30.0/29.0/29.5/28.0 33.0/32.0/31.0/30.0/2			1.0/30.0/29.0	35.0/34.0/33.0/ 32.0/30.0	38.0/36.0/34.0/ 32.0/30.0	43.0/41.0/37.0/ 34.0/30.0	45.0/43.0/41.0/ 39.0/36.0			
Refrigerant	Type/GW	Р			R-32/675.0										
Piping connections	Liquid	OD		mm		6.35							52		
	Gas	OD		mm		9.52 12.70						15	.90		
	Drain			VP25 (O.D. 32 / I.D. 25)											
Power supply	Phase/Fre	equency/V	oltage/	Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximun	n fuse amp	os (MFA)	Α	6										
Control systems	Infrared r	emote cor	ntrol			BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB									
	Wired rer	note contr	rol			BRC1H52W/S/K									



# Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- > Advanced technology and top efficiency combined
- > Most quiet cassette available on the market

## **FXZQ-A**



Choice between grey or white panel

## Benefits for the installer

- > Unique product in the market!
- > Most quiet unit (25dBA)
- The user-friendly remote control, available in severa languages, enables the easy set-up of sensor option and control of the individual flap position
- > Meeting Furopean design taste

### Benefits for the consultant

- > Unique product in the market!
- Blends seamlessly in any modern office interior design
- Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA\*) or VRV IV heat pump units (FXZQ\*).

## Benefits for the end user

- > Engineering excellence and unique design in one
- Most quiet unit (25dBA)
- > Perfect working conditions: no more cold draughts
- > Save up to 27% on your energy bill thanks to the optional sensors
- Flexible usage of space and suits any room configuration thanks to individual flap contro
- > User-friendly remote control, available in several languages.

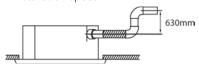
# **Fully flat cassette**

# Unique design in the market that integrates fully flat into the ceiling

- > Optimised design for R-32 refrigerant
- > Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- > Two optional intelligent sensors improve energy efficiency and comfort
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- > Optional fresh air intake
- > Standard drain pump with 630mm lift increases flexibility and installation speed



FXZA-A

EXZA-A

EXZA-A

Amazon alexa

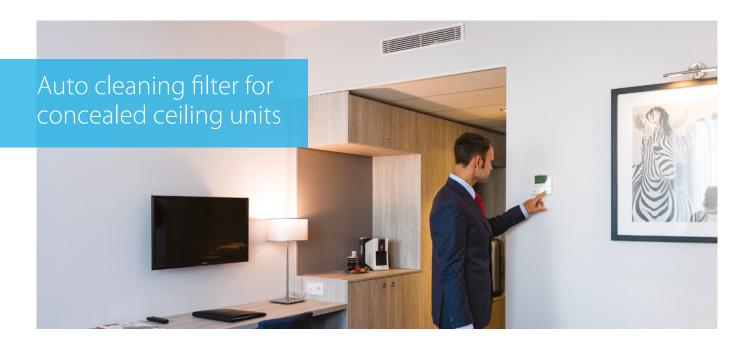
works with the Google Assistant

BRC1H52W, BRP069C51

More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				FXZA	15A	20A	25A	32A	40A	50A				
Cooling capacity	Total capacity	At high fa	an speed	kW	1.70	2.20	2.80	3.60	4.50	5.60				
Heating capacity	Total capacity	At high fa	an speed	kW	1.90	2.50	3.20	4.00	5.00	6.30				
Power input - 50Hz	Cooling	At high fa	an speed	kW	0.0	018	0.020	0.019	0.029	0.048				
	Heating	At high fa	an speed	kW	0.0	018	0.020	0.019	0.029	0.048				
Dimensions	Unit	HeightxV	VidthxDepth	mm	260x575x575									
Weight	Unit			kg	15.5 16.5 18.5									
Casing	Material						Galvanised	l steel plate						
Decoration panel	Model						BYFQ60	C4W1W						
	Colour						White	(N9.5)						
	Dimensions	HeightxV	VidthxDepth	mm			46x62	0x620						
	Weight			kg	2.8									
Decoration panel 2	Model						BYFQ6	0C4W1S						
	Colour				SILVER									
	Dimensions	HeightxV	VidthxDepth	mm	46x620x620									
	Weight			kg	2.8									
Decoration panel 3	Model				BYFQ60B3W1 + wire harness EKRS23									
	Colour				WHITE (RAL9010)									
	Dimensions	HeightxV	VidthxDepth	mm			55x70	0x700						
	Weight			kg	2.7									
Fan	Air flow rate -	Cooling At high / medium / m <sup>3</sup> low fan speed			8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0				
	50Hz Heating		At high / medium / I low fan speed	m³/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0				
Air filter	Type				Resin net									
Sound power level	Cooling	At high fa	an speed	dBA	4	19	50	51	54	60				
Sound pressure	Cooling	At high / m	nedium / low fan speed	dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0				
level	Heating	At high / m	nedium / low fan speed	dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0				
Refrigerant	Type/GW	Р					R-32/	/675.0						
Piping connections	Liquid	OD		mm			6.	35						
	Gas	OD		mm	9.52 12.70									
	Drain				VP20 (I.D. 20/O.D. 26)									
Power supply	Phase/Fre	quency/V	oltage	Hz/V	1~/50/60/220-240/220									
Current - 50Hz	Maximum	n fuse amp	s (MFA)	Α	6									
Control systems	Infrared r	emote cor	itrol		BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel) (1)									
Control systems	Wired ren	note contr	ol				BRC1H5	52W/S/K						



The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs

12 months

### Reduce running costs

> Automatic filter cleaning ensures low maintenance costs because the filter is always clean

Efficiency profile change for duct indoor unit during operation

100%

Gradual loss of efficiency due to dirty filter

0%

Energy saved thanks to automatic filter cleaning

6 months

### Minimal time required for filter cleaning

- > The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
- > No more dirty ceilings

### Improved indoor air quality

start

> Optimum airflow eliminates draft and insulates sound

#### Superb reliability

> Prevents clogged filters for seamless operation

### Unique technology

 Unique and innovative filter technology inspired by the Daikin auto cleaning cassette



### Combination table

	S	plit/	Sky A	ir	VRV									
		FDX	M-F9		FXDA-A/FXDQ-A3									
	25	35	50	60	15	20	25	32	40	50	63			
BAE20A62	•	•			•	•	•	•						
BAE20A82									•	•				
BAE20A102			•	•							•			

## How does it work?

1 Scheduled automatic filter cleaning

UNIQUE

Patents pending

- 2 Dust collects in a dust box that's integrated into the unit
- 3 The dust can easily be removed with a vacuum cleaner





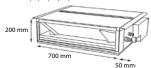
Specifications	BAE20A62	BAE20A82	BAE20A102					
Height (mm)		210						
Width (mm)	830	1,030	1,230					
Depth (mm)	188							

# Slim concealed ceiling unit

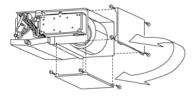
### Slim design for flexible installation

- > Optimised design for R-32 refrigerant
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm

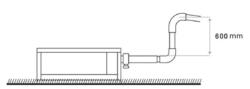
SERIE A (15, 20, 25, 32)



- > Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > Optional auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Flexible installation, as the air suction direction can be altered from rear to bottom suction



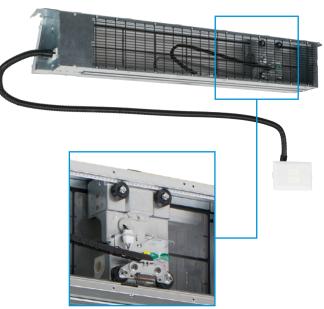
> Standard drain pump with 600mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.







Auto cleaning filter option

Indoor Unit				FXDA	10A	15A	20A	25A	32A	40A	50A	63A			
Cooling capacity	Total capacity	At high fa	an speed	kW	1.10	1.70	2.20	2.80	3.60	4.50	5.60	7.10			
Heating capacity	Total capacity	At high fa	an speed	kW	1.30	1.90	2.50	3.20	4.00	5.00	6.30	8.00			
Power input - 50Hz	Cooling	At high fan speed			0.026	0.035	0.	.030	0.035	0.038	0.049	0.058			
	Heating	At high fa	n speed	kW	0.026	0.035	0.	.030	0.035	0.038	0.049	0.058			
Required ceiling voi	id >			mm				24	40						
Dimensions	Unit	HeightxV	VidthxDepth	mm		:	200x750x62	0		200x9	50x620	200x1,150x620			
Weight	Unit			kg	22	2.0		23.0		20	5.5	30.5			
Casing	Material							Galvani	sed steel						
Fan	Air flow Cooling At high / medium / mrate - 50Hz low fan speed				5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0			
		Heating	At high / medium / low fan speed	m³/min	5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0			
	External static pressure - 50Hz	Factory s	et / High	Pa			10/30	15/44							
Air filter	Туре							Removable	/ washable						
Sound power level	Cooling	At high fa	n speed	dBA	48	50		51		52	53	54			
Sound pressure	Cooling	At high / m	nedium / low fan speed	dBA	29.0/28.0/26.0	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0 35.0/33.0/29.0 36.0/34.0/30.0					
level	Heating	ating At high / medium / low fan speed			29.0/28.0/26.0	32.0/31.0/27.0		34.0/32.0/28.0 35.0/33.0/29.0 36.0/34.0/30.0							
Refrigerant	Type/GWF	)			R-32/675.0										
Piping connections	Liquid	OD		mm	6										
	Gas	OD		mm			9.52	12.70							
	Drain				VP20 (I.D. 20/O.D. 26)										
Power supply	Phase/Fre	quency/V	oltage	Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum	fuse amp	s (MFA)	Α	6										
Control systems	Infrared remote control				BRC4C65 (1)										
	Wired remote control				BRC1H52W/S/K										

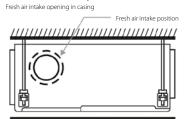
# Concealed ceiling unit with medium ESP

# Slimmest yet most powerful medium static pressure unit on the market

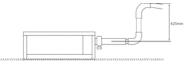
- > Optimised design for R-32 refrigerant
- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge



- > Quiet operation: down to 25dBA sound pressure level
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Optional fresh air intake
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed



- \* Brings in up to 10% of fresh air into the room
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed





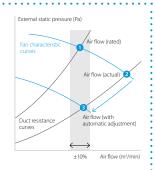
### Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within  $\pm 10\%$ 

### Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance \*\* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature

Automatic Áirflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.



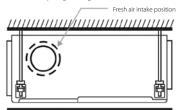
Indoor Unit				FXSA	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	At high fa	n speed	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	At high fa	n speed	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00	18.00
Power input - 50Hz	Cooling	ing At high fan speed kW		kW		0.046		0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
	Heating	eating At high fan speed kW				0.046		0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
Dimensions	Unit	HeightxW	/idthxDepth	mm		245x55	008x0		245x700x800			00x800	245x1,4	00x800	245x1,550x800
Weight	Unit			kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material								Galvar	nised stee	el plate				
Fan	Air flow rate - 50Hz Cooling low fan speed Heating At high / medium / low fan speed low fan speed		m³/min	8.7/7.5/6.5	9.0/7	.5/6.5	9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0	
			At high / medium / low fan speed	m³/min	8.7/7.5/6.5	9.0/7	.5/6.5	9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	42.5/34.0/28.0
	External static pressure - 50Hz	Factory se	et / High	30/150 40.								/150 50/150			
Air filter	Туре				Resin net										
Sound power level	Cooling	At high fa	n speed	dBA	54			55	60		59	59 61		64	
Sound pressure	Cooling	At high / m	edium / low fan speed	dBA	29.5/28.0/25.0	30.0/28	3.0/25.0	31.0/29.0/26.0	35.0/32	.0/29.0	33.0/30.0/27.0	35.0/32.0/29.0	36.0/34.0/31.0	39.0/36.0/33.0	41.5/38.0/34.0
level	Heating	At high / m	edium / low fan speed	dBA	31.5/29.0/26.0	32.0/29	0.0/26.0	33.0/30.0/27.0	37.0/34	.0/29.0	35.0/32.0/28.0	37.0/34.0/30.0	37.0/34.0/31.0	40.0/37.0/33.0	42.0/38.5/34.0
Refrigerant	Type/GWF				R-32/675.0										
Piping connections	Liquid	OD		mm	6.35								9.52		
	Gas	OD		mm		9.	52			12	.70		15.90		
	Drain							VP20 (I.	.D. 20/O.D	. 26), drai	n height 6	525 mm			
Power supply	Phase/Fre	quency/Vo	oltage	Hz/V	V 1~/50/60/220-240/220										
Current - 50Hz	Maximum	fuse amp	s (MFA)	Α	6										
Control systems	Infrared re	BRC4C65 / BRC4C66 (1)													

# Concealed ceiling unit with high ESP

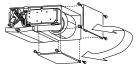
#### Ideal for large sized spaces ESP up to 250 Pa

- > Optimised design for R-32 refrigerant
- High external static pressure up to 250Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- > Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required (50-125 class)

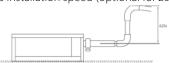
Fresh air intake opening in casing



- \* Brings in up to 10% of fresh air into the room
- Flexible installation, as the air suction direction can be altered from rear to bottom suction (50-125 class)



> Standard built-in drain pump with 625mm lift increases flexibility and installation speed (optional for 200-250)



> Large capacity unit: up to 31.5 kW heating capacity



#### Automatic Airflow Adjustment function

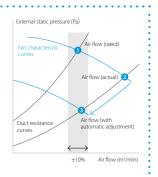
Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within  $\pm 10\%$ 

## Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance \*\* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature

Automatic Airflow Adjustment function will adapt

Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				<b>FXMA</b>	50A	63A	80A	100A	125A	200A	250A				
Cooling capacity	Total capacity	At high fa	n speed	kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0				
	Nom.			kW			-			22.4	28.0				
Heating capacity	Total capacity	At high fa	n speed	kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5				
	Nom.			kW			-			25.0	31.5				
Power input - 50Hz	Cooling	At high fa	n speed	kW	0.125	0.140	0.198	0.191	0.254	0.54	0.65				
	Heating	At high fa	n speed	kW	0.125	0.140	0.198	0.191	0.254	0.54	0.65				
Required ceiling vo	id >			mm			350								
Dimensions	Unit	HeightxV	VidthxDepth	mm		300x1,000x700		300x1,4	00x700	470x1,49	90x1,100				
Weight	Unit			kg		35		4	6	105	115				
Casing	Material						Gal	vanised steel p	late						
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m³/min	18.0/16.5/15.0	19.5/17.5/16.0	25.0/22.5/20.0	32.0/27.0/23.0	36.0/30.0/26.0	62/48/41	74/64/52				
		Heating	At high / medium / low fan speed	m³/min	18.0/16.5/15.0	19.5/17.5/16.0	25.0/22.5/20.0	32.0/27.0/23.0	36.0/30.0/26.0	62/48/41	74/64/52				
	External static pressure - 50Hz		et / High / Low	Pa			100/200/-			150/2	50/50				
Air filter	Туре						Resin net				-				
Sound power level	Cooling	At high / m	nedium / low fan speed	dBA	61.0/60.0/58.0	64.0/61.0/59.0	67.0/64.0/62.0	65.0/61.0/56.0	70.0/66.0/62.0	75/74/72	76/75/73				
Sound pressure level	Cooling	At high / m	nedium / low fan speed	dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41	.0/39.0	44.0/42.0/40.0	48/46	5.5/45				
	Heating	At high / m	nedium / low fan speed	dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41	.0/39.0	44.0/42.0/40.0	48/46	5.5/45				
Refrigerant	Type/GW	Р						R-32/675							
Piping connections	Liquid	OD		mm		6.35			9.5	52					
	Gas	OD		mm		12.70		15	.90	19	9.1				
	Drain					VP	25 (I.D. 25/O.D.	32)		BS	P1				
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/	50/60/220-240/	220		1~/50/60/220-240/220-2					
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α				6							
Control systems	Infrared r	emote con	itrol			BF	C4C65 / BRC4C	66		BRC4	1C65				
	Wired rer	note contr	ol					BRC1H52W/S/k							



## Wall mounted unit

## For rooms with no false ceilings nor free floor space

- > Optimised design for R-32 refrigerant
- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to
   5 different discharge angles that can be programmed via the remote control
- > Maintenance operations can be performed easily from the front of the unit



More details and final information can be found by scanning or clicking the QR codes.



FXAA-A

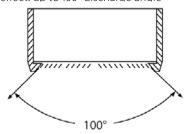
Indoor Unit				FXAA	15A	20A	25A	32A	40A	50A	63A			
Cooling capacity	Total capacity	At high fa	an speed	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1			
Heating capacity	Total capacity	At high fa	an speed	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0			
Power input – 50Hz	Cooling	At high fa	an speed	kW	0.017	0.019	0.028	0.030	0.025	0.033	0.050			
	Heating	At high fa	an speed	kW	0.025	0.029	0.034	0.035	0.030	0.039	0.060			
Dimensions	Unit	HeightxV	VidthxDepth	mm		290x79	95x266			290x1,050x269				
Weight	Unit			kg		1	2			15				
Fan	Air flow rate – 50Hz	Cooling	At high/medium/ low fan speed	m³/min	7.1/6.8/6.5	7.9/7.2/6.5	8.3/7.4/6.5	9.4/8.0/6.5	12.2/11.0/9.8	14.2/12.6/10.9	18.2/15.5/12.9			
		Heating	At high/medium/ low fan speed	m³/min	7.8/7.1/6.5	8.6/7.5/6.5	9.0/7.7/6.5	9.9/8.2/6.5	12.2/11.0/9.8	15.2/13.7/12.1	18.7/16.4/14.1			
Air filter	Туре						Rem	ovable / washa	able	vle				
Sound power level	Cooling	At high fa	an speed	dBA	51.0	52.0	53.0	55	.0	58.0	63.0			
Sound pressure	Cooling	At high/m	edium/low fan speed	dBA	32.0/30.5/28.5	33.0/31.0/28.5	35.0/32.0/28.5	37.5/33.0/28.5	37.0/35.5/33.5	41.0/38.5/35.5	46.5/42.5/38.5			
level	Heating	At high/m	edium/low fan speed	dBA	33.0/31.0/28.5	34.0/31.5/28.5	36.0/32.5/28.5	38.5/33.5/28.5	38.0/36.0/33.5	42.0/39.0/35.5	47.0/43.0/38.5			
Refrigerant	Type/GWF							R-32/675.0						
Piping connections	Liquid	OD		mm				6.35						
	Gas	OD		mm		9.	52			12.70				
	Drain						VP	13 (I.D. 15/O.D. 1	18)					
Power supply	Phase/Fre	quency/V	'oltage	Hz/V				1~/50/220-240						
Current – 50Hz	Maximum	fuse amp	s (MFA)	Α				6						
Control systems	Infrared re	emote cor	ntrol					BRC7EA630 (1)		711.0/9.8 14.2/12.6/10.9 18.2/13 711.0/9.8 15.2/13.7/12.1 18.7/10 85.5/33.5 41.0/38.5/35.5 46.5/43 86.0/33.5 42.0/39.0/35.5 47.0/43				
	Wired rem	note contr	ol					BRC1H52W/S/K						

<sup>(1)</sup> Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

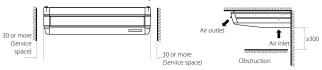
## Ceiling suspended unit

#### For wide rooms with no false ceilings nor free floor space

- > Optimised design for R-32 refrigerant
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



- > Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



 Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required Fresh air intake opening in casing



- \* Brings in up to 10% of fresh air into the room
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.



More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				FXHA	32A	50A	63A	100A
Cooling capacity	Total capacity	At high f	an speed	kW	3.6	5.6	7.1	11.2
	Nom.			kW	3.6	5.6	7.1	11.2
Heating capacity	Total capacity	At high fa	an speed	kW	4.0	6.3	8.0	12.5
	Nom.			kW	4.0	6.3	8.0	12.5
Power input - 50Hz	Cooling	At high fa	an speed	kW	0.033	0.037	0.051	0.086
	Heating	At high fa	an speed	kW	0.033	0.037	0.051	0.086
Dimensions	Unit	HeightxV	WidthxDepth	mm	235x960x690	235x1,2	70x690	235x1,590x690
Weight	Unit			kg	28	3	6	43
Casing	Material					Resin, sh	eet metal	
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m³/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
		Heating	At high / medium / low fan speed	m³/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
Air filter	Туре					Resi	nnet	,
Sound power level	Cooling	At high / n	nedium / low fan speed	dBA	54.0/52.0/49.0	54.0/52.0/50.0	55.0/53.0/52.0	62.0/55.0/52.0
Sound pressure	Cooling	At high / n	nedium / low fan speed	dBA	36.0/34.0/31.0	36.5/34.5/33.0	37.0/35.0/34.0	44.0/37.0/34.0
level	Heating	At high / n	nedium / low fan speed	dBA	36.0/34.0/31.0	36.5/34.5/33.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GW	P				R-32	/675	
Piping connections	Liquid	OD		mm		6.35		9.52
	Gas	OD		mm	9.52	12	1.7	15.9
	Drain					VF	20	
Power supply	Phase/Fre	equency/V	oltage/	Hz/V		1~/50/60/2	20-240/220	
Current - 50Hz	Maximun	n fuse amp	os (MFA)	Α			5	
Control systems	Infrared r	emote cor	ntrol			BRC7GA56 /	BRC7GA53-9	
	Wired rer	note contr	rol			BRC1H52W/S/K	BRC1H82W/S/K	

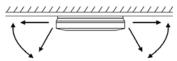
# 4-way blow ceiling suspended unit

## Unique Daikin unit for high rooms with no false ceilings nor free floor space

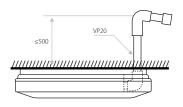
- > Optimised design for R-32 refrigerant
- > Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- > Two optional intelligent sensors improve energy efficiency and comfort
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!



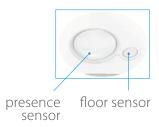
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating.
- > Optimum comfort guaranteed with automatic air flow adjustment to the required load
- > 5 different discharge angles between 0 and 60°can be programmed via the remote control



> Standard drain pump with 720mm lift increases flexibility and installation speed







More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				FXUA	50A	71A	100A
Cooling capacity	Total capacit	At high fa	an speed	kW	5.6	8.0	11.2
	Nom.			kW	5.6	8.0	11.2
Heating capacity	Total capacit	y At high fa	an speed	kW	6.3	9.0	12.5
	Nom.			kW	6.3	9.0	12.5
Power input - 50Hz	Cooling	At high fa	an speed	kW	0.029	0.055	0.117
	Heating	At high fa	an speed	kW	0.029	0.055	0.117
Dimensions	Unit	HeightxV	VidthxDepth	mm		198x950x950	
Weight	Unit			kg	2	7	28
Casing	Material					Resin	
Fan	Air flow rate - 50H	Cooling	At high / medium / low fan speed	m³/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
		Heating	At high / medium / low fan speed	m³/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
Air filter	Туре					Resin net	
Sound power level	Cooling	At high / m	nedium / low fan speed	dBA	55.0/53.0/51.0	58.0/56.0/54.0	65.0/62.0/58.0
Sound pressure	Cooling	At high / m	nedium / low fan speed	dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
level	Heating	At high / m	nedium / low fan speed	dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GW	Р				R-32/675	
Piping connections	Liquid	OD		mm	6.	35	9.52
	Gas	OD		mm	12	2.7	15.9
	Drain					VP20	
Power supply	Phase/Fre	equency/V	'oltage	Hz/V		1~/50/60/220-240/220	
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α		6	
Control systems	Infrared r	emote cor	ntrol			BRC7CB58 / BRC7CB59	
	Wired rer	note contr	ol			BRC1H52W/S/K	









# Supporting a circular economy of refrigerants



# Towards a circular economy of refrigerants

With L∞P by Daikin we want to step away from producing more waste. Instead we will reuse what is already available, in a qualitative way.

- Saves over 400,000 kg of virgin refrigerant being produced every year
- Greatly reduces the CO<sub>2</sub> footprint of refrigerant production with 72%!

# For units produced and sold in Europe

- > Exclusive to Daikin reclaimed gas is now used in our units
- > Administratively allocated to VRV and chillers produced and sold in Europe

# The most extensive VRV range on the market



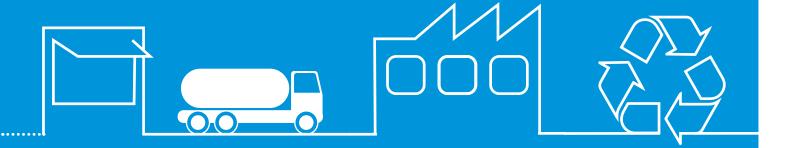
VRV i-series VRV S-series



VRV W-series



Heat recovery, heat pump and replacement series



## Recover

We recover your old refrigerant for you from any unit and any brand.

## Reclaim

The refrigerant is reclaimed in Europe, meaning regenerated in a **high-quality** way, in line with F-gas regulation definition.

## Reuse

The reclaimed refrigerant is mixed with virgin refrigerant. The refrigerant's quality is **certified** by an independent laboratory. It meets AHRI 700 certified standards.





72% lower CO<sub>2</sub> fooprint for production

## For every application, a solution



Heat recovery with unique 3-pipe technology



Heat pump models with unique continuous heating during defrost



Dedicated **hot and cold climate** heat pumps offering efficient cooling up to 52°C and heating down to -25°C



**Space saving** mini VRV solutions, offering the most compact VRV



The invisible VRV,
a unique solution when
the outdoor unit must
be compact and completely
invisible



Replacement solutions to replace existing systems in the most cost-effective way



Water-cooled heat recovery and heat pump units, ideal for high rise buildings using water as heat source



A complete total solution integrating a wide range of indoor units, air curtains, hot water hydroboxes and ventilation units including air handling units

## Products overview IN IV LOOP (1)





	Model		Product name	4	5	6	8	10	12	13	14	16	18	20	22	24	26	28	30
Air cooled - heat recovery	VRV IV heat recovery	Best efficiency & comfort solution  Fully integrated solution with heat recovery for maximum efficiency  Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains  Free heating and hot water through heat recovery  The perfect personal comfort for guests/tenants via simultaneous cooling and heating  Incorporates VRV IV standards & technologies such as  Variable Refrigerant temperature and continuous heating  Allows technical cooling  Widest range of BS boxes on the market	REYQ-U VRV IV*				•	•	•	•	•	•	•	•	•	•	•	•	•
	VRV IV heat pump with continuous heating	Daikin's optimum solution with top comfort Continuous heating during defrost Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains Connectable to stylish indoor units (Daikin Emura, Stylish,) Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature and continuous heating	RYYQ-U*				•	•	•		•	•	•	•	•	•	•	•	•
-	VRV IV heat pump without continuous heating	Daikin's solution for comfort & low energy consumption Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains Connectable to stylish indoor units (Daikin Emura, Stylish,) Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQ-U*				•	•	•		•	•	•	•	•	•	•	•	•
at pump	VRVIV-S series Compact	The most compact VRV  > Compact and lightweight single fan design saves space and is easy to install > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains > Either connect VRV of stylish indoor units (Daikin Emura, Stylish) > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSCQ-TV1  VRV IV S-series  Compact	•	•	•													
Air cooled - heat pump	VRVIV-5 series	Space saving solution without compromising on efficiency  > Space saving trunk design for flexible installation  > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains  > Either connect VRV of stylish indoor units (Daikin Emura, Stylish,)  > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYSQ-TV9/ TY9/TY1 YRY IV S-series TY9, TY1	•	•	•	•	•	•										
	VRV IVheat pump for indoor installation DIA	The invisible VRV  > Unique VRV heat pump for indoor installation  > Total flexibility for any shop location and building type as the outdoor unit is invisible and split up in 2 parts  > Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature  > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation and Biddle air curtains	SB.RKXYQ-T(8)  VRV IV i-series		•		•												
	VRV IV heat pump, optimised for cold climates	Where heating is priority without compromising on efficiency  > Suitable for single source heating  > Extended operation range down to -25°C in heating  > Stable heating capacity without any capacity loss down to -15°C  > Very economical solution as a smaller outdoor unit model can be used compared to the standard series	RXYLQ-T  VRV IV C <sup>†</sup> series					•	•		•	•	•	•	•	•	•	•	•
ent	heat recovery	Quick & quality replacement for R-22 and R-407C systems Cost-effective and fast replacement through re-use of exisiting piping Cost-effective and fast replacement through re-use of exisiting piping Costing the provided in the provided replacing your system Interruption of daily business while replacing your system Replace Daikin and other manufacturers systems safely	RQCEQ-P3					•		•		•	•	•	•	•	•	•	•
Replacement	heat pump	Quick & quality replacement for R-22 and R-407C systems Cost-effective and fast replacement through re-use of exisiting piping Drastically improve your comfort, efficiency and reliability No interuption of daily business while replacing your system Replace Daikin and other manufacturers systems safely Incorporates VRV IV standards & technologies such as Variable Refrigerant temperature	RXYQQ-U YRY IV Q*series		•		•	•	•		•	•	•	•	•	•	•	•	•
Water cooled	Water cooled VRV IV	Ideal for high rise buildings, using water as heat source	RWEYQ-T9 <sup>(2)</sup> VRV IV W series				•	•	•		•	•	•	•	•	•	•	•	•

<sup>(1)</sup> LOOP by Daikin is applicable for VRV units produced and sold in Europe (EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland). RXYSCQ-TVI, RXYSQ8-10-12TYI and RQCEQ-P3 are not part of the LOOP by Daikin programme.

(2) Range not Eurovent certified.

(3) Multi combinations are not in scope of the Eurovent certificaton programme

																			岁	ä	
22	24	26	30	40	42	44	46		apac				Description / Combination	VRV indoor units	esidential indoor nits	LT Hydrobox HXY-A	HT Hydrobox HXHD-A	HRV units VAM-, VKM-	AHU connection	Air curtains CYV-DK-	Remarks
32	34	30	38	40	42	44	40	48	5 50	) 3.	2 :	54	VRV IV+ Heat Recovery REYQ	0	æ 5			0		<b>4</b> 0	> Standard total system connection ratio limit: 50 ~ 130%
													·			0	0		0	0	3 Standard total system connection ratio innic 30 ** 130%
													with only VRV indoor units	<b>√</b>				_			> Max 32 indoor units, even on 16HP and larger systems
													with LT/HT Hydroboxes	✓		<b>√</b>	<b>√</b>	<b>√</b>			> Total system connection ratio with HT hydroboxes up to 200% possible
													HRV units VAM-, VKM-	✓		<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	Dedicated systems (with only ventilation units) not allowed –     a mix with standard VRV indoor units is always necessary
	•	•	•	•	•	•		•	•	1			AHU connection	✓				✓	<b>√</b>	✓	a mix with standard vity indoor dines is diways necessary
									-	1	4		Biddle air curtain	✓				<b>✓</b>	<b>√</b>	✓	> Total system connection ratio with AHU is 50 ~ 110%
													VRV IV+ Heat Pump (RYYQ/RXYQ)	0	0	0		0	0	0	> Standard total system connection ratio limit: 50 ~ 130%
													with only VRV indoor units	✓							> 200% total system connection ratio possible under special circumstances
•	•	•	•	•	•	•	•	•	•			•	with residential indoor units	✓	✓			✓			<ul> <li>Only single-module systems (RYYQ 8~20 T / RXYQ 8~20 T)</li> <li>Max 32 indoor units, even on 16HP, 18HP and 20HP systems</li> <li>Connection ratio: 80 ~ 130%</li> </ul>
			ļ.,			ļ	ļ	ļ.,					with LT Hydroboxes	✓		✓		✓			<ul> <li>Max 32 indoor units, even on 16HP and larger systems</li> <li>Contact Daikin in case of multi-module systems (&gt;20HP)</li> </ul>
													HRV units VAM-, VKM-	✓	✓	✓		✓	✓	✓	
													AHU connection	✓				✓	✓	✓	> Total system connection ratio with AHU is 50 $\sim$ 110%
•	•	•	•	•	•	•	•	•	•			•	Biddle air curtain	✓				✓	✓	✓	
													VRV IV-S RXYSQ-/RXYSCQ-	0	0			0	0	0	> Standard total system connection ratio limit: 50 ~ 130%
													with VRV indoor units only	✓				✓	✓	✓	
													with residential indoor units only		✓						> With residential indoor: connection ratio limit: 80 ~ 130%
													<b>VRV IV i series</b> SB.RKXYQ	✓				✓	✓	<b>✓</b>	> Standard total system connection ratio limit: 50 ~ 130%
													VRV IV-C+ series RXYLQ	0	0	0		0	0	0	> Standard total system connection ratio limit: 70 ~ 130%
													with VRV indoor units only	✓				✓		✓	
•	•	•		•	•								with residential indoor units only		✓						> With residential indoor: connection ratio limit: 80 ~ 130%
-													with LT hydroboxes	✓		✓		$\checkmark$			> Max. 32 indoor units, contact Daikin in case of multi-module systems (> 14HP)
													AHU connection	✓				✓	✓	✓	> Total system connection ratio is 70~110% > with AHU only, connection ratio = 130%
													VRV III-Q+ series Replacement H/R RQCEQ	✓				✓			Standard total system connection ratio limit: 50 ~ 130%
•	•	•	•	•	•								VRV IV-Q Replacement H/P RXYQQ	✓				✓	✓	<b>✓</b>	> Standard total system connection ratio limit: 50 ~ 130%
													VRV IV-W <sup>+</sup> series Water-cooled VRV RWEYQ	0	0		0	0	0	0	> Standard total system connection ratio limit: 50 ~ 130%
													with VRV indoor units	✓			✓	✓	✓	✓	
													with split indoor units	✓	✓			✓			Only single-module systems (RWEYQ8-14T9) Max 32 indoor units Connection ratio: 80 ~ 130% only in heat pump version
	•	•	•	•	•								with HT hydrobox	<b>√</b>			<b>√</b>				only in reat pump version
													AHU connection	<b>✓</b>					<b>✓</b>		> Total system connection ratio with AHU + X indoor is 50 ~ 110% > Total system connection ration with AHU only is 90~ 110%
					_					_											. Total System connection ration with All to only is 50° - 11070

 $<sup>{</sup>f O}_-$  connection of indoor unit possible, but not neccessarily simultaneously with other allowed indoor units  ${f v}_-$  connection of indoor unit possible even simultaneously with other checked units in the same row  ${f x}_-$  connection of indoor not possible on this outdoor unit system

## **VRV IV+ heat recovery**

## Best efficiency & comfort solution

- > Fully integrated solution with heat recovery for maximum efficiency with COPs of up to 8!
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- "Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- The perfect personal comfort for guests/tenants via simultaneous cooling and heating
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- > Outdoor unit display for quick on-site settings and easy read out

- of errors together with the indication of service parameters for checking basic functions
- > Free combination of outdoor units to meet installation space or efficiency requirements
- > Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 1,000m
- > Possibility to extend the operation range in cooling down to -20°C for technical cooling operation such as server rooms
- > Contains all standard VRV features



Outdoor unit			REYQ	8U		10U	12	U	14U	1	6U	18U		20U
Capacity range			HP	8		10	12	2	14		16	18		20
Cooling capacity	Prated,c		kW	22.4		28.0	33.	.5	40.0	4	15.0	50.4		52.0
Heating capacity	Prated,h		kW	22.4		28.0	33.	.5	40.0	4	15.0	50.4		56.0
	Max. 6	CWB	kW	25.0		31.5	37.	.5	45.0	5	0.0	56.5		63.0
Recommended co	mbination			4 x FXFQ50	AVEB 4 x F	XFQ63AVE	B 6 x FXFQ		1 x FXFQ50AVE 5 x FXFQ63AV					
ης,ς			%	286.1		264.8	257	7.0	255.8	2	43.1	250.6		246.7
ηs,h			%	165.1		169.7	183	3.8	168.3	10	67.5	172.5		162.7
SEER				7.2		6.7		6.5	5		6.2	6.3		6.2
SCOP				4.2		4.3	4.	7		4.3		4.4		4.1
Maximum number	r of connectab	le indoor unit							64(1)					
Indoor index	Min.			100.0	)	125.0	150	0.0	175.0	20	0.00	225.0		250.0
connection	Max.			260.0	)	325.0	390	0.0	455.0	5	20.0	585.0		650.0
Dimensions	Unit H	eightxWidthxl	Depth mm		1,68	5x930x76	5				1,685x1,2	240x765		
Weight	Unit		kg			230				314			317	
Sound power leve	l Cooling N	om.	dBA	78.0		79.1	83	.4	80.9	8	35.6	83.8		87.9
	Heating P	rated,h	dBA	79.6		80.9	83	.5	83.9	8	36.9	85.3		89.8
Sound pressure leve	el Cooling N	om.	dBA		57.0		61.	.0	60.0	6	53.0	62.0		65.0
Operation range	Cooling N	lin.~Max.	°CDB						-5.0~43.0					
		lin.~Max.	°CWB						-20.0~15.5					
Refrigerant	Type/GWP							F	R-410A/2,08	7.5				
	Charge		kg/TCO2Eq	9.7/20		9.8/20.5	9.9/2	20.7			11.8/	24.6		
Piping connection			mm		9.52				12.7				15.9	
	Gas O		mm	19.1		22.2					28.6			
	HP/LP gas O		mm	15.9			19.1			2	22.2			28.6
	Total piping Sylength	ystem Actua	ıl m						1,000					
Power supply	<u>.</u>	iency/Voltage	Hz/V						N~/50/380-	415				
Current - 50Hz	Maximum fu	ise amps (MFA	) A	20		25		32			4	0		50
Outdoor unit Sys	tem		REYQ	10U	13U	16U	18U	20U	22U	24U	26U	28U	30U	32U
System	Outdoor un			REM			REYQ8U		REYQ10U			REYQ12U		REYQ16L
	Outdoor un	it module 2		REMQ5U		Q8U	REYQ10U		YQ12U		-	J REYQ16U	_	-
Capacity range			HP	10	13	16	18	20	22	24	26	28	30	32
Cooling capacity	Prated,c		kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
Heating capacity	Prated,h		kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5	83.9	90.0
		CMB	kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5	94.0	100.0
Recommended co	mbination			4x FXFQ63AVEB	3 x FXFQ50AVEB + 3 x FXFQ63AVEB	4xFXFQ63AVEB+ 2xFXFQ80AVEB	4xFXFQ50AVEB+ 4xFXFQ63AVEB	10 x FXFQ50AV	/EB 6 x FXFQ50AVEB + 4 x FXFQ63AVEB			+ 6 x FXFQ50AVEB + 4 x FXFQ63AVEB + 2 x FXFQ80AVEB		
ης,ς			%	275.1	301.3	288.6	272.9	266.0	260.4	257.7	257.5	251.9	266.8	243.1
ηs,h			%	158.8	160.6	168.2	167.9	175.7	178.5	167.6	175.5	174.8	179.4	169.1
SEER				7.0	7.6	7.3	6.9	6.7	6.6	6	5.5	6.4	6.7	6.2
SCOP				4.0	4.1	4	.3		4.5	4.3	4.5	4.4	4.6	4.3
Maximum number	r of connectab	le indoor unit	i						64 (1)					
Indoor index	Min.			125.0	163.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0	375.0	400.0
connection	Max.			325.0	423.0	520.0	585.0	650.0	715.0	780.0	845.0	910.0	975.0	1,040.0
Piping connection	s Liquid O	D	mm	9.5	12	2.7			15.9			19	9.1	
	Gas O	D	mm	22.2			28.6					34.9		
	HP/LP gas O	D	mm	19	).1	22	2.2				28.6			
	Total piping S	ystem Actua	l m			500					1,	000		
	length													
Power supply	length Phase/Frequ	iency/Voltage ise amps (MFA	Hz/V					31	N~/50/380-	415				







More details and final information can be found by scanning or clicking the QR codes.





<b>Outdoor unit Syst</b>	em		REYQ	34U	36U	38U	40U	42U	44U	46U	48U	50U	52U	54U			
System	Outdoor	unit module 1		REY	Q16U	REYQ8U	REY	Q10U	REYQ12U	REYQ14U		REYQ16U		REYQ18			
	Outdoor	unit module 2		REYQ18U	REYQ20U	REY	Q12U			REYQ16U			REY	Q18U			
	Outdoor	unit module 3			-	REY	Q18U		REY	Q16U			REYQ18U				
Capacity range			HP	34	36	38	40	42	44	46	48	50	52	54			
Cooling capacity	Prated,c		kW	95.4	97.0	106.3	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2			
Heating capacity	Prated,h		kW	95.4	101.0	106.4	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2			
	Max.	6°CWB	kW	106.5	113.0	119.0	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5			
Recommended cor	mbination			9 x FXFQ63AVEB + 2 x FXFQ80AVEB		10 x FXFQ63AVEB	9 x FXFQ63AVEB	4 x FXFQ80AVEB	8 x FXFQ63AVEB + 4 x FXFQ80AVEB	13 x FXFQ63AVEB + 4 x FXFQ80AVEB	6 x FXFQ80AVEB	3 x FXFQ50AVEB + 13 x FXFQ63AVEB + 4 x FXFQ80AVEB	14 x FXFQ63AVEB + 2 x FXFQ80AVEB	15 x FXFQ63AVE			
ηs,c			%	259.2	255.3	269.2	259.6	250.2	249.3	246.8	243.1	254.4	265.7	275.2			
ηs,h			%	172.0	166.3	176.0	176.1	167.8	171.9	168.8	168.5	170.3	171.7	173.3			
SEER				6.6	6.5	6.8	6.6	6	.3	6	.2	6.4	6.7	7.0			
SCOP				4.4	4.2	4	.5	4.3	4.4		4.3		4	.4			
Maximum number	of connec	table indoor units							64(1)								
Indoor index	Min.			425.0	450.0	475.0	500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0			
connection	Max.			1,105.0	1,170.0	1,235.0	1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0			
Piping connections	Liquid	OD	mm						19.1								
	Gas	OD	mm	34.9					4	1.3							
	HP/LP gas	OD	mm	28	8.6					34.9							
	Total piping length	g System Actual	m						1,000								
Power supply	Phase/Fre	equency/Voltage	Hz/V					3N	~/50/380-	-415							
Current - 50Hz	Maximun	n fuse amps (MFA)	Α	8	30			100				12	25				
Outdoor unit mod	lule		REMQ						5U								
Dimensions	Unit	HeightxWidthxDepth	mm					1,6	85x930x7	765							
Weight	Unit		kg						230								
Fan	External static pressure	Max.	Pa						78								
Sound power level	Cooling	Nom.	dBA						78.0								
Sound pressure level	Cooling	Nom.	dBA						57.0								
Operation range	Cooling	Min.~Max.	°CDB						-5.0~43.0								
	Heating	Min.~Max.	°CWB						-20.0~15.5	5							
Refrigerant	Type/GW	P						R-	410A/2,08	37.5							
	Charge		kg/TCO2Eq						9.7/20.2								
Power supply	Phase/Fre	equency/Voltage	Hz/V					3N	~/50/380-	-415							
Current - 50Hz	Maximun	n fuse amps (MFA)	Α						20								

(1)Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system to the EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

## VRV IV+ heat pump

#### Daikin's optimum solution with top comfort

- By choosing a LOOP by Daikin product you support the reuse of refrigerant, for more information visit www.daikin.eu/loop-bydaikin
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, hot water, air handling units and Biddle air curtains
- > Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, continuous heating (RYYQ\* models), VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor
- > Outdoor unit display for quick on-site settings and easy read out of errors together with the indication of service parameters for checking basic functions.

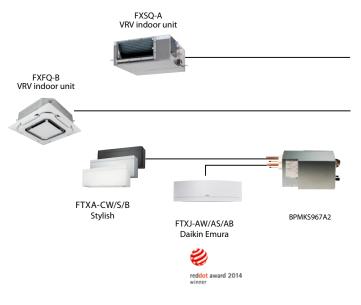
- Free combination of outdoor units to meet installation space or efficiency requirements
- > Available as heating only by irreversible field setting
- > Contains all standard VRV features



Outdoor unit			RYYQ/RXYQ	8U*	10	U*	12U*	14U*	16U*	1	8U*	20U*
Capacity range			HP	8	10	0	12	14	16		18	20
Cooling capacity	Prated,c		kW	22.4	28	3.0	33.5	40.0	45.0		50.4	52.0
Heating capacity	Prated,h		kW	22.4	28	3.0	33.5	40.0	45.0		50.4	56.0
	Max.	6°CWB	kW	25.0	31	.5	37.5	45.0	50.0		56.5	63.0
Recommended cor	mbination			4 x FXFQ50A\	/EB 4 x FXFQ	63AVEB	6 x FXFQ50AVEB	1x FXFQ50AVEB 5 x FXFQ63AVEB				x FXFQ50AVEB - 6 x FXFQ63AVEB
ηs,c			%	302.4	26	7.6	247.8	250.7	236.5	. 2	238.3	233.7
ηs,h			%	167.9	168	3.2	161.4	155.4	157.8		163.1	156.6
SEER				7.6	6.	.8	6	.3		6.0		5.9
SCOP					4.3		4.1		4.0		4.2	4.0
Maximum number	of connec	table indoor units						64(1)				
Indoor index	Min.			100.0	125	5.0	150.0	175.0	200.0	) 2	25.0	250.0
connection	Max.			260.0	325	5.0	390.0	455.0	520.0	. 5	85.0	650.0
Dimensions	Unit	HeightxWidthxDepth	mm		1,685x9	30x765			1,6	85x1,240x7	65	
Weight	Unit	·	kg		RXYQ- RXYQ-U5 RYYQ	5/UD: 201		RXYQ-l	Q-U: 275 J5/UD: 281 (Q: 319		RXYQ-U RXYQ-U5, RYYQ	'UD: 314
Sound power level	Cooling	Nom.	dBA	78.0	79	9.1	83.4	80.9	85.6		83.8	87.9
	Heating	Prated,h	dBA	79.6	80	).9	83.5	83.1	86.5		85.3	89.8
Sound pressure level	l Cooling	Nom.	dBA		57.0		61.0	60.0	63.0		62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB					-5.0~43.0				
	Heating	Min.~Max.	°CWB					-20.0~15.5				
Refrigerant	Type/GW	P						R-410A/2,087.	5			
3	Charge		kg/TCO2Eq	5.9/12.3	6.0/	12.5	6.3/13.2	10.3/21.5	10.4/21	.7 11.	7/24.4	11.8/24.6
Piping connections		OD	mm		9.52			12.7			15.	9
, ,	Gas	OD	mm	19.1	22	.2			28.6			
	Total piping	g System Actual	m					1,000				
Power supply	Phase/Fre	equency/Voltage	Hz/V					3N~/50/380-4	15			
Current - 50Hz		n fuse amps (MFA)	Α	20	2	5	3	32		40		50
Outdoor unit syst	em		RYYQ/RXYQ	22U*	24U*	26U <sup>3</sup>	* 28U*	30U*	32U*	34U*	36U*	38U*
System	Outdoor	unit module 1		10	8		12			16		8
	Outdoor	unit module 2		12	16	14	16	18	16	18	20	10
	Outdoor	unit module 3			'			-		'		20
Capacity range			HP	22	24	26	28	30	32	34	36	38
Cooling capacity	Prated,c		kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4
Heating capacity	Prated,h		kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	106.4
	Max.	6°CWB	kW	69.0	75.0	82.5	87.5	94.0	100.0	106.5	113.0	119.5
Recommended cor	mbination					5 x FXFQ63/	VEB+ 6xFXFQ50AVE 4xFXFQ63AVE 2xFXFQ80AVI				+ 10 x FXFQ63AVE	B + 10 x FXFQ63AVEB
ης,ς			%	274.5	269.9	264.2		256.8	251.7	253.3	250.8	272.4
ηs,h			%	171.2	167.0	164.6	_	169.8	163.1	166.2	162.4	167.5
SEER				6.9	6.8	6.7		6.5	6	.4	6.3	6.9
SCOP				4.4	4.3		4.2	4.3		.2	4.1	4.3
Maximum number	of connec	table indoor units						64(1)				
Indoor index	Min.			275.0	300.0	325.0	350.0	375.0	400.0	425.0	450.0	475.0
connection	Max.			715.0	780.0	845.0		975.0	1,040.0	1,105.0	1,170.0	1,235.0
Piping connections		OD	mm	15		130			19.1	, ,	, , 2.0	, ,
	Gas	OD	mm	28.6		1		34.9				41.3
	Total piping System Actual m 1,000											
	Total piping	g System Actual	m					1,000				
Power supply	length	g System Actual equency/Voltage	m Hz/V					1,000 3N~/50/380-4	15			









## Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit	FTXA-CW/B/S	•	•	•	•	•		
Perfera wall mounted	FTXM-R	•	•	•	•	•	•	•
Perfera floor standing	FVXM-A9	•	•	•		•		

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.





RXYQ-U

Outdoor unit syst	em		RYYQ/RXYQ	40U*	42U*	44U*	46U*	48U*	50U*	52U*	54U*
System	Outdoor	unit module 1		1	0	12	14		16		18
	Outdoor	unit module 2		12			16			1	8
	Outdoor	unit module 3		18		1	6			18	
Capacity range			HP	40	42	44	46	48	50	52	54
Cooling capacity	Prated,c		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
Heating capacity	Prated,h		kW	111.9	118.0	123.5	130.0	135.0	140.4	145.8	151.2
	Max.	6°CWB	kW	125.5	131.5	137.5	145.0	150.0	156.5	163.0	169.5
Recommended cor	nbination			9 x FXFQ50AVEB + 9 x FXFQ63AVEB			1x FXFQ50AVEB + 13 x FXFQ63AVEB + 4 x FXFQ80AVEB		13 x FXFQ63AVEB +	6 x FXFQ50AVEB + 14 x FXFQ63AVEB + 2 x FXFQ80AVEB	
ης,ς			%	263.5	261.2	255.9	254.9	251.7	252.8	253.7	254.1
ηs,h			%	170.0	165.5	164.5	162.0	162.8	165.2	167.2	169.4
SEER				6.7	6.6	6.5			6.4		
SCOP				4.3	4	.2	4	.1	4.2	4	.3
Maximum number	of connec	table indoor units					64	I(1)			
Indoor index	Min.			500.0	525.0	550.0	575.0	600.0	625.0	650.0	675.0
connection	Max.			1,300.0	1,365.0	1,430.0	1,495.0	1,560.0	1,625.0	1,690.0	1,755.0
Piping connections	Liquid	OD	mm				19	9.1			
	Gas	OD	mm				4	1.3			
	Total piping length	g System Actual	m				1,0	000			
Power supply	Phase/Fre	equency/Voltage	Hz/V				3N~/50	/380-415			
Current - 50Hz	Maximun	n fuse amps (MFA)	Α		1	00			1:	25	
Outdoor unit mod	lule for R\	YQ combinations	RYMQ	8U*	10U*	12U	* 14	U*	16U*	18U*	20U*
Dimensions	Unit	HeightxWidthxDepth	mm		1,685x930x	765			1,685x1,240	x765	
Weight	Unit	· ·	kg		RYMQ-U: RYMQ-U5:			RYMQ-U: 27 RYMQ-U5: 2		RYMQ-L RYMQ-U	
Fan	External stati pressure	c Max.	Pa				7	8			
Sound power level	Cooling	Nom.	dBA	78.0	79.1	83.4	1 80	).9	85.6	83.8	87.9
Sound pressure level	Cooling	Nom.	dBA	57.0	57.0	61.0	) 60	0.0	63.0	62.0	65.0
Operation range	Cooling	Min.~Max.	°CDB				-5.0	-43.0			
	Heating	Min.~Max.	°CWB				-20.0	~15.5			
Refrigerant	Type/GW	P					R-410A	/2,087.5			
	Charge		kg/TCO2Eq	5.9/12.3	6.0/12.5	6.3/1	3.2 10.3	/21.5 11	.3/23.6	11.7/24.4	11.8/24.6
Power supply	Phase/Fre	equency/Voltage	Hz/V				3N~/50	/380-415			
Current - 50Hz	Maximun	n fuse amps (MFA)	Α	20	25	32	3	2	40	40	50

(1) Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | Contains fluorinated greenhouse gases

\* Depending on the region different model codes are sold: Continuous heating: RYYQ-U, RYYQ-U5, RYMQ-U, RYMQ-U5, standard heat pump RXYQ-U, RXYQ-U5, RXYQ-UD

\*\* U and U5 models in EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland





# VRV IV S-series compact heat pump

#### The most compact VRV

- > Compact & lightweight single fan design makes the unit almost unnoticeable
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains
- > Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Perfera ...
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- > Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- > Night quiet mode reduces sound pressure with up to 8dBa
- > Contains all standard VRV features



## Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				•		•	•	•
Fully flat cassette	FFA-A9			•	•		•	•	
Slim concealed ceiling unit	FDXM-F9			•	•		•	•	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			•	•		•	•	
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB		•	•	•		•		
Stylish - Wall mounted unit	FTXA-CW/B/S		•	•	•	•	•		
Perfera wall mounted	FTXM-R	•	•	•	•	•	•	•	•
Ceiling suspended unit	FHA-A(9)				•		•	•	•
Perfera floor standing	FVXM-A9		•	•	•		•		
Concealed floors tanding unit	FNA-A9			•	•		•	•	

More details and final information can be found by scanning or clicking the QR codes.



RXYSCQ-TV1

Outdoor unit			RXYSCQ	4TV1	5TV1	6TV1			
Capacity range			HP	4	5	6			
Cooling capacity	Prated,c		kW	12.1	14.0	15.5			
Heating capacity	Prated,h		kW	12.1	14.0	15.5			
	Max.	6°CWB	kW	14.2	16.0	18.0			
Recommended cor	nbination			3 x FXSQ25A2VEB + 1 x FXSQ32A2VEB	4 x FXSQ32A2VEB	2 x FXSQ32A2VEB + 2 x FXSQ40A2VEB			
ηs,c			%	322.8	303.4	281.3			
ηs,h			%	182.3	185.1	186.0			
SEER				8.1	7.7	7.1			
SCOP				4.6	4	.7			
Maximum number	of connec	table indoor units			64(1)				
Indoor index	Min.			50.0	62.5	70.0			
connection	Max.			130.0	162.5	182.0			
Dimensions	Unit	HeightxWidthxDepth	mm		823x940x460				
Weight	Unit		kg		89				
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0			
	Heating	Prated,h	dBA	69.0	70.0	71.0			
Sound pressure level	Cooling	Nom.	dBA	51.0	52.0	53.0			
Operation range	Cooling	Min.~Max.	°CDB		-5.0~46.0				
	Heating	Min.~Max.	°CWB		-20.0~15.5				
Refrigerant	Type/GW	P			R-410A/2,087.5				
	Charge		kg/TCO2Eq		3.7/7.7				
Piping connections	Liquid	OD	mm		9.52				
	Gas	OD	mm	15	.9	19.1			
	Total piping length	System Actual	m		300				
Power supply	Phase/Fre	equency/Voltage	Hz/V	V 1~/50/220-240					
Current - 50Hz	Maximun	n fuse amps (MFA)	Α		32				

(1) Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being;  $50\% \le CR \le 130\%$ ). | Contains fluorinated greenhouse gases





## **VRV IV S-series heat pump**

## Space saving solution without compromising on efficiency

- By choosing this product with LOOP by Daikin you support the reuse of refrigerant
- > Space saving trunk design for flexible installation
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains
- > Wide range of indoor units: either connect VRV or stylish indoor units such as Daikin Emura, Perfera ...
- > Wide range of units (4 to 12HP) suitable for projects up to 200m² with space limitations
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature and full inverter compressors
- > Possibility to limit peak power consumption between 30 and 80%, for example during periods with high power demand
- > Contains all standard VRV features





## For units made and sold in Europe\*

## Connectable stylish indoor units

		15 CLASS	20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Round flow cassette	FCAG-B				•		•	•	•
Fully flat cassette	FFA-A9			•	•		•	•	
Slim concealed ceiling unit	FDXM-F9			•	•		•	•	
Concealed ceiling unit with inverter driven fan	FBA-A(9)			•	•		•	•	
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB		•	•	•		•		
Stylish - Wall mounted unit	FTXA-CW/B/S		•	•	•	•	•		
Perfera wall mounted	FTXM-A	•	•	•	•	•	•	•	•
Ceiling suspended unit	FHA-A(9)				•		•	•	•
Perfera floor standing	FVXM-A9		•	•	•		•		
Concealed floors tanding unit	FNA-A9			•	•		•	•	

More details and final information can be found by scanning or clicking the QR codes.



RXYSQ-TV9



RXYSQ-TY9



RXYSQ-TY1

Outdoor unit			RXYSQ	4TV9	5TV9	6TV9	4TY9	5TY9	6TY9	8TY1	10TY1	12TY1
Capacity range			HP	4	5	6	4	5	6	8	10	12
Cooling capacity	Prated,c		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
Heating capacity	Prated,h		kW	12.1	14.0	15.5	12.1	14.0	15.5	22.4	28.0	33.5
	Max.	6°CWB	kW	14.2	16.0	18.0	14.2	16.0	18.0	25.0	31.5	37.5
Recommended cor	nbination			3 x FXSQ25A2VEB+ 1x FXSQ32A2VEB	4 x FXSQ32A2VEB	2 x FXSA32A2VEB + 2 x FXSA40A2VEB	3 x FXSQ25A2VEB + 1x FXSQ32A2VEB	4 x FXSQ32A2VEB	2 x FXSQ32A2VEB + 2 x FXSQ40A2VEB	4 x FXMQ50P7VEB	4 x FXMQ63P7VEB	6 x FXMQ50P7VEB
ηs,c			%	278.9	270.1	278.0	269.2	260.5	268.3	247.3	247.4	256.5
ηs,h			%	171.6	182.9	192.8	154.4	164.5	174.1	165.8	162.4	169.6
SEER				7.0	6.8	7.0	6.8	6.6	6.8	6	.3	6.5
SCOP				4.4	4.6	4.9	3.9	4.2	4.4	4.2	4.1	4.3
Maximum number	of connec	table indoor units						64(1)				
Indoor index	Min.			50.0	62.5	70.0	50.0	62.5	70.0	100.0	125.0	150.0
connection	Max.			130.0	162.5	182.0	130.0	162.5	182.0	260.0	325.0	390.0
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320 1,430x940x32						1,430x940x320	1,615x9	40x460
Weight	Unit		kg			10	)4			144	175	180
Sound power level	Cooling	Nom.	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
	Heating	Prated,h	dBA	68.0	69.0	70.0	68.0	69.0	70.0	73.0	74.0	76.0
Sound pressure level	Cooling	Nom.	dBA	50.0	51	1.0	50.0	51	1.0	55	5.0	57.0
Operation range	Cooling	Min.~Max.	°CDB			-5.0	46.0				-5.0~52.0	
	Heating	Min.~Max.	°CWB					-20.0~15.5				
Refrigerant	Type/GW	P					R	-410A/2,087	.5			
	Charge		kg/TCO2Eq			3.6	/7.5			5.5/11.5	7.0/14.6	8.0/16.7
Piping connections	Liquid	OD	mm				9.	52				12.7
	Gas	OD	mm	15	5.9	19.1	15	i.9	19	9.1	22.2	25.4
	Total piping length	System Actual	m					300				
Power supply	Phase/Fre	equency/Voltage	Hz/V	Iz/V 1N~/50/220-240 3N~/50/380-415								
Current - 50Hz	Maximun	n fuse amps (MFA)	Α		32			16		2	5	32

<sup>(1)</sup>Actual number of units depends on the indoor unit type (VRV DX indoor, RA DX indoor, etc.) and the connection ratio restriction for the system (being;  $50\% \le CR \le 130\%$ ). Contains fluorinated greenhouse gases \*EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland





## SB.RKXYQ-T(8)

# Keep looking you'll never find me

You can install highly efficient, reliable Daikin air conditioning systems in the most demanding locations while remaining invisible from street level.

## Invisible

- > Completely invisible only the grilles are visible
- > Seamless integration into surrounding architecture
- > Highly suited to densely populated areas thanks to the low operation sound

## Intuitive

- Total flexibility as the outdoor unit is split up in 2 parts
- Easy and quick to transport and install by just 2 persons
- > Easy servicability, all components can be easily reached

#### Intelligent

- Patented V-shape heat exchanger for the most compact unit (400 mm high) ever
- > Connectable to all VRV indoor units
- > Provides a total solution when combined with ventilation units, Biddle air curtains and controls



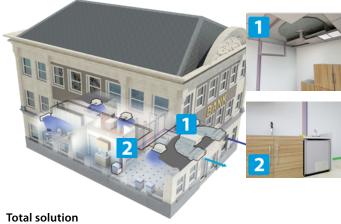


#### Invisible





## Unique outdoor unit in 2 parts













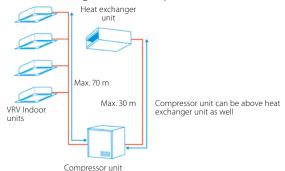
## **VRV IV heat pump for** indoor installation

#### The invisible VRV

> Unique VRV heat pump for indoor installation



> Unrivalled flexibility because the unit is split up into two elements: the heat exchanger and the compressor



- > Highly suited to densely populated areas thanks to the low operation sound and seamless integration into surrounding architecture as only the grille is visible
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator and full inverter compressors
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains



- > Lightweight units (max. 105kg) can be installed by two people
- > Unique V-shape heat exchanger results in compact dimensions (h/e unit only 400mm high) allowing false ceiling installation, while ensuring top efficiency
- > Super efficient centrifugal fans (over 50% efficiency increase compared to sirocco fan)
- > Small footprint compressor unit (760 x 554 mm) maximizing useable floor space
- > Connectable to all VRV control systems





For units made and sold in Europe

**Published data with** real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.



SB RKXYO-T



SB.RKXYO-T8

<b>Outdoor unit sys</b>	tem		SB.RK	XYQ	5T8	8T
System	Heat exchanger unit				RDXYQ5T8	RDXYQ8T
	Compressor unit				RKXYQ5T8	RKXYQ8T
Capacity range				HP	5	8
Cooling capacity	Prated,c			kW	14.0	22.4
Heating capacity	Prated,h			kW	10.4	12.9
	Max.	6°CWB		kW	16.0	25.0
Recommended co	mbination				4x FXSQ32A2VEB	4x FXMQ50P7VEB
ηs,c				%	200.1	191.1
ηs,h				%	149.3	140.9
SEER					5.1	4.9
SCOP					3.8	3.6
Maximum numbe	r of connectable indoo	r units			10 (1)	17 (1)
Indoor index	Min.				62.5	100.0
connection	Max.				162.5	260.0
Piping connection	s Between Compressor module (CM)	Liquid	OD	mm	12	.7
	and heat exchanger module (HM)	Gas	OD	mm	19.1	22.2
	Between Compressor module (CM)	Liquid	OD	mm	9	52
	and indoor units (IU)	Gas	OD	mm	15.9	19.1
	Total piping length	System	Actual	m	140	300

				Heat exchange	r module - RDXYQ	Compressor module - RKXYQ			
Outdoor unit mod	lule			5T8	8T	5T8	8T		
Dimensions	Unit	HeightxWidthxDepth	mm	397x1,4	156x1,044	701x600x554	701x760x554		
Weight	Unit		kg	95	103	79	105		
Sound power level	Cooling	Nom.	dBA	77.0	81.0	60.0	64.0		
Sound pressure leve	l Cooling	Nom.	dBA	47.0	54.0	47.0	48.0		
Refrigerant	Type/GWP			R-410A/-		R-410A	/2,087.5		
	Charge		kg/TCO2Eq		-/-	2.00/4.20	4.00/8.35		
Power supply	Phase/Frequency/\	Voltage	Hz/V	1N~/50	)/220-240	3N~/50/	/380-415		
Current - 50Hz	Maximum fuse ami	ps (MFA)	Α		10	16	20		



## **RXYLQ-T**

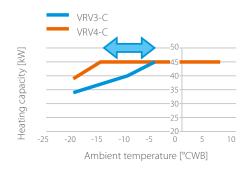


# Where heating is priority without compromising on efficiency



## High heating capacity at low ambient temperatures

> Stable heating capacity available down to -15°C WB!



# \*\*\*

## High partial load efficiency

- > New vapour injection scroll compressor optimised for low load
  - UNIQUE back-pressure control: Pressure port increases pressure below the scroll in low load operation, preventing refrigerant leak and increasing efficiency
  - UNIQUE Injection structure with check valve: Prevents volume backflow during low load operation typically occuring with standard vapour injection compressors
- > Variable Refrigerant Temperature adjusts refrigerant temperature to match the load



Lower pressure



## High reliability down to -25°C WB

Hot gas bypass prevents ice buildup at the bottom of the heat exchanger



## High seasonal efficiency

- > Measured with indoor units for real applications!
- > ALL information for indoor units used available on our eco-design website: Already fully compliant https://energylabel.daikin.eu/eu/en\_US/lot21.html



## The known VRV IV standards

- ☑ Variable Refrigerant Temperature
- ✓ VRV configurator

## **Total solution**



Daikin Emura Wall mounted unit



Fully flat cassette



Biddle air curtain



Intelligent Manager



Air handling unit for ventilation



Low temperature hydrobox

## VRV IV heat pump, optimised for heating

#### Where heating is priority without compromising on efficiency

- > By choosing this product with LOOP by Daikin you support the reuse of refrigerant
- > Specifically developed for heating operation in low ambient conditions, making it suitable for single source heating
- > Stable heating capacity down to -15°C, thanks to vapour injection compressor
- > Extended operation range down to -25°C in heating
- > High reliability in severe conditions, thanks to hot gas bypass circuit in the heat exchanger
- > 15% increased heating capacity at high relative humidity (2°CDB/1°CWB and RH=83%) vs previous model
- > Shorter defrost and heat up time, compared to standard VRV heat
- > Very economical solution as a smaller outdoor unit model can be used compared to the standard series
- > Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units and Biddle air curtains

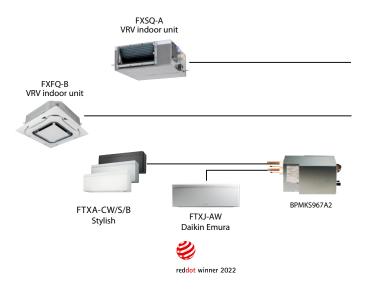
- > Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7 segment display and full inverter compressors, 4-side heat exchanger, refrigerant cooled PCB, new DC fan motor, ...
- > Free combination of outdoor units to meet installation space or efficiency requirements
- > Wide piping flexibility: 30m indoor height difference, maximum piping length: 190m, total piping length: 500m
- > Very economical solution as a smaller outdoor unit model can be used compared to the standard series
- > Less installation time and smaller footprint compared to previous model thanks to removal of function unit



Outdoor unit			RXYLQ		10T		12T		14T			
Capacity range			HP		10		12		14			
Cooling capacity	Prated,c		kW		28.0		33.5		40.0			
Heating capacity	Prated,h		kW		28.0		33.5		40.0			
	Max.	6°CWB	kW		31.5		37.5		45.0			
Recommended cor	mbination			4 x FXI	MQ63P7VEB	6	x FXMQ50P7VI	ЕВ	1 x FXMQ50 5 x FXMQ6			
ηs,c			%		251.4		274.4		270.1			
ηs,h			%		144.3		137.6		137.1			
SEER					6.4		6.9		6.8			
SCOP					3.7			3.5				
Maximum number	of connec	table indoor units					64(1)					
Indoor index	Min.				175		210		245			
connection	Nom.				250		300		350			
	Max.				325		390		455			
Dimensions	Unit	HeightxWidthxDepth	mm				1,685x1,240x765					
Weight	Unit	· · ·	kg				302					
Sound power level	Cooling	Nom.	dBA		77.0			81.0				
Sound pressure leve	l Cooling	Nom.	dBA		56.0			59.0				
Operation range	Cooling	Min.~Max.	°CDB				-5~43					
,	Heating	Min.~Max.	°CWB				-25~16					
Refrigerant	Type/GW	P					R-410A/2,087.5	.5				
•	Charge		kg/TCO2Eq				11.8/24.6	24.6				
Piping connections	Liquid	OD	mm	9.52				12.7				
	Gas	OD	mm		22.2 28.6							
	Total piping length	System Actual	m				500					
Power supply	Phase/Fre	equency/Voltage	Hz/V				3N~/50/380-41	5				
Current - 50Hz	Maximun	n fuse amps (MFA)	Α		25			32				
Outdoor unit syst	em		RXYLQ	16T	18T	20T	22T	24T	26T	28T		
System	Outdoor	unit module 1		RXMLQ8T		RXYLQ10T		RXYI	LQ12T	RXYLQ14T		
Jystein				RXM	LQ8T	RXYLQ10T	RXYL	Q12T	RXY	_Q14T		
System	Outdoor	unit module 2			40	20	22	24	26	28		
Capacity range	Outdoor	unit module 2	HP	16	18	20						
Capacity range	Outdoor Prated,c	unit module 2	HP kW	16 44.8	50.4	56.0	61.5	67.0	73.5	80.0		
		unit module 2					61.5 61.5	67.0 67.0	73.5 73.5	80.0		
Capacity range Cooling capacity	Prated,c	6°CWB	kW	44.8	50.4	56.0			-			
Capacity range Cooling capacity	Prated,c Prated,h Max.		kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+	50.4 50.4 56.5 3xFXMQ50P7VEB+	56.0 56.0 63.0 2xFXMQ50P7VEB+	61.5	67.0 75.0 4 x FXMQ50P7VEB +	73.5 82.5 7x FXMQ50P7VEB+	80.0 90.0 6 x FXMQ50P7VEB+		
Capacity range Cooling capacity Heating capacity	Prated,c Prated,h Max.		kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+	50.4 50.4 56.5 3xFXMQ50P7VEB+	56.0 56.0 63.0 2xFXMQ50P7VEB+	61.5 69.0 6 x FXMQ50P7VEB+	67.0 75.0 4 x FXMQ50P7VEB + 4 x FXMQ63P7VEB +	73.5 82.5 7x FXMQ50P7VEB+	80.0 90.0 6 x FXMQ50P7VEB - 4 x FXMQ63P7VEB -		
Capacity range Cooling capacity Heating capacity Recommended cor	Prated,c Prated,h Max.		kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB	50.4 50.4 56.5 3 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB	67.0 75.0 4xFXMQ50P7VEB+ 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB	73.5 82.5 7xFXMQ50P7VEB+ 5xFXMQ63P7VEB	80.0 90.0 6xFXMQ50P7VEB - 4xFXMQ63P7VEB - 2xFXMQ80P7VEB		
Capacity range Cooling capacity Heating capacity Recommended cor	Prated,c Prated,h Max.		kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB + 2xFXMQ80P7VEB	50.4 50.4 56.5 3 x F X M Q 50 P 7 V E B + 5 x F X M Q 63 P 7 V E B 255.7	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4	73.5 82.5 7x FXMQ50P7VEB + 5x FXMQ63P7VEB 270.8	80.0 90.0 6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB 270.1		
Capacity range Cooling capacity Heating capacity Recommended cor ns,c ns,h	Prated,c Prated,h Max.		kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0	50.4 50.4 56.5 3 x FXMQ50P7VEB + 5 x FXMQ63P7VEB 255.7 140.5	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB 251.4 144.3	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0 140.3	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4 137.6	73.5 82.5 7x FXMQ50P7VEB + 5x FXMQ63P7VEB 270.8	80.0 90.0 6xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 270.1		
Capacity range Cooling capacity Heating capacity Recommended cor  ns,c ns,h SEER	Prated,c Prated,h Max. mbination	6°CWB	kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0 6.6	50.4 50.4 56.5 3xFXMQ50P7VEB+ 5xFXMQ63P7VEB 255.7 140.5 6.5	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB 251.4 144.3 6.4	61.5 69.0 6xFXMQS0P7VEB+ 4xFXMQ63P7VEB 263.0 140.3 6.6	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4 137.6	73.5 82.5 7xFXMQ50P7VEB + 5xFXMQ63P7VEB 270.8	80.0 90.0 6xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 270.1		
Capacity range Cooling capacity Heating capacity Recommended cor  ns,c ns,h SEER SCOP	Prated,c Prated,h Max. mbination	6°CWB	kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0 6.6	50.4 50.4 56.5 3xFXMQ50P7VEB+ 5xFXMQ63P7VEB 255.7 140.5 6.5	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB 251.4 144.3 6.4	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0 140.3 6.6 3.6	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4 137.6	73.5 82.5 7xFXMQ50P7VEB + 5xFXMQ63P7VEB 270.8	80.0 90.0 6xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 270.1		
Capacity range Cooling capacity Heating capacity Recommended cor  ŋs,c ŋs,h SEER SCOP Maximum number	Prated,c Prated,h Max. mbination	6°CWB	kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0 6.6 3.5	50.4 50.4 56.5 3xFXMQ50P7VEB+ 5xFXMQ63P7VEB 255.7 140.5 6.5 3.6	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB 251.4 144.3 6.4 3.7	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0 140.3 6.6 3.6 64(1)	67.0 75.0 4xFXMQ50P7VEB+ 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 274.4 137.6 6.9	73.5 82.5 7xFXMQ50P7VEB+ 5xFXMQ63P7VEB 270.8 13 6 3.5	80.0 90.0 6 x FXMQ50P7VEB - 4 x FXMQ63P7VEB - 2 x FXMQ80P7VEB 270.1 37.1		
Capacity range Cooling capacity Heating capacity Recommended cor ns.c ns.h SEER SCOP Maximum number Indoor index	Prated,c Prated,h Max. mbination of connect	6°CWB	kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0 6.6 3.5	50.4 50.4 56.5 3xFXMQ50P7VEB+ 5xFXMQ63P7VEB 255.7 140.5 6.5 3.6	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB 251.4 144.3 6.4 3.7	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0 140.3 6.6 3.6 64(1) 385	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4 137.6 6.9	73.5 82.5 7xFXMQ50P7VEB + 5xFXMQ63P7VEB 270.8 13 6 3.5	80.0 90.0 6 x FXMQ50P7VEB - 4 x FXMQ63P7VEB - 2 x FXMQ80P7VEB 270.1 57.1 .8		
Capacity range Cooling capacity Heating capacity Recommended cor  ns,c ns,h SEER SCOP Maximum number Indoor index connection	Prated,c Prated,h Max. nbination of connect Min. Nom.	6°CWB	kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0 6.6 3.5	50.4 50.4 56.5 3xFXMQ50P7VEB + 5xFXMQ63P7VEB 255.7 140.5 6.5 3.6	56.0 56.0 63.0 2xFXMQS0P7VEB+ 6xFXMQ63P7VEB 251.4 144.3 6.4 3.7 350 500 650	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0 140.3 6.6 3.6 64(1) 385 550	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4 137.6 6.9	73.5 82.5 7xFXMQ50P7VEB + 5xFXMQ63P7VEB 270.8 13 6 3.5	80.0 90.0 6xFXMQ50P7VEB 4xFXMQ63P7VEB 2xFXMQ80P7VEB 270.1 57.1 .8		
Capacity range Cooling capacity Heating capacity Recommended cor  ns,c ns,h SEER SCOP Maximum number Indoor index	Prated,c Prated,h Max. nbination of connect Min. Nom.	6°CWB	kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0 6.6 3.5	50.4 50.4 56.5 3xFXMQ50P7VEB+ 5xFXMQ63P7VEB 255.7 140.5 6.5 3.6 315 450 585	56.0 56.0 63.0 2xFXMQS0P7VEB+ 6xFXMQ63P7VEB 251.4 144.3 6.4 3.7 350 500 650	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0 140.3 6.6 3.6 64(1) 385 550 715	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4 137.6 6.9	73.5 82.5 7xFXMQ50P7VEB + 5xFXMQ63P7VEB 270.8 13 6 3.5	80.0 90.0 6xFXMQ50P7VEB - 4xFXMQ50P7VEB - 2xFXMQ80P7VEB - 270.1 37.1 .8		
Capacity range Cooling capacity Heating capacity Recommended cor  ns,c ns,h SEER SCOP Maximum number Indoor index connection	Prated,c Prated,h Max. nbination of connect Min. Nom. Max. s Liquid	6°CWB  table indoor units  OD OD	kW kW kW	44.8 44.8 50.0 4xFXMQ63P7VEB+ 2xFXMQ80P7VEB 261.8 138.0 6.6 3.5	50.4 50.4 56.5 3xFXMQ50P7VEB+ 5xFXMQ63P7VEB 255.7 140.5 6.5 3.6 315 450 585	56.0 56.0 63.0 2xFXMQ50P7VEB+ 6xFXMQ63P7VEB 251.4 144.3 6.4 3.7 350 500 650	61.5 69.0 6xFXMQ50P7VEB+ 4xFXMQ63P7VEB 263.0 140.3 6.6 3.6 64(1) 385 550 715	67.0 75.0 4xFXMQ50P7VEB + 4xFXMQ63P7VEB + 2xFXMQ80P7VEB 274.4 137.6 6.9	73.5 82.5 7xFXMQ50P7VEB + 5xFXMQ63P7VEB 270.8 13 6 3.5	80.0 90.0 6xFXMQ50P7VEB - 4xFXMQ50P7VEB - 2xFXMQ80P7VEB - 270.1 37.1 .8		









## Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit	FTXA-CW/B/S	•	•	•	•	•		
Perfera wall mounted	FTXM-R	•	•	•	•	•	•	•
Perfera floor standing	FVXM-A9	•	•	•		•		

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

More details and final information can be found by scanning or clicking the QR codes.

Current - 50Hz



RXYLQ-T

<b>Outdoor unit syst</b>	em		RXYLQ	30T	32T	34T	36T	38T	40T	42T	
System	Outdoor	unit module 1			RXYLQ10T			RXYLQ12T		RXYLQ14T	
	Outdoor	unit module 2		RXYI	Q10T		RXYLQ12T		RXYL	_Q14T	
	Outdoor	unit module 3		RXYLQ10T		RXYLQ12T			RXYLQ14T		
Capacity range			HP	30	32	34	36	38	40	42	
Cooling capacity	Prated,c		kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0	
Heating capacity	Prated,h		kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0	
	Max.	6°CWB	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0	
Recommended cor	mbination			5 x FXMQ63P7VEB		9 x FXMQ63P7VEB +			9 x FXMQ50P7VEB + 9 x FXMQ63P7VEB	4 x FXMQ80P7VEE	
ηs,c			%	251.4	259.1	266.8	274.4	271.6	270.3	270.1	
ηs,h			%	144.3	141.6	139.2	137.6		137.1		
SEER				6.4	6.6	6.7	6	5.9	6	.8	
SCOP				3.7	3	3.6		3.5			
Maximum number	of connec	table indoor units		64(1)							
Indoor index	Min.			525	560	595	630	665	700	735	
connection	Nom.			750	800	850	900	950	1,000	1,050	
	Max.			975	1,040	1,105	1,170	1,235	1,300	1,365	
Piping connections	Liquid	OD	mm	19.1							
	Gas	OD	mm		34.9			4	1.3		
	Total piping length	g System Actual	m				500				
Current - 50Hz	Maximur	n fuse amps (MFA)	Α		8	30			90		
Outdoor unit mod	lule		RXMLQ				8T				
Dimensions	Unit	HeightxWidthxDepth	mm				1,685x1,240x76	5			
Weight	Unit		kg				302				
Fan	External static pressure	Max.	Pa				78				
Sound power level	Cooling	Nom.	dBA				75.0				
Sound pressure leve	l Cooling	Nom.	dBA	dBA 55.0							
Operation range	Cooling	Min.~Max.	°CDB	-5~43							
	Heating	Min.~Max.	°CWB	°CWB -25~16							
Refrigerant	Type/GW	'P					R-410A/2,087.5	i			
	Charge		kg/TCO2Eq				11.8/24.6				
Power supply	Phase/Fr	equency/Voltage	Hz/V				3N~/50/380-41	5			
		· · · · · · · · · · · · · · · · · · ·									

Maximum fuse amps (MFA) (1)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (70% <= CR <= 130%) | Contains fluorinated greenhouse gases
\* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

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# Replacement technology



# The quick and quality way of upgrading R-22, R-407C and R-410A systems

## These benefits will convince your customer:

Drastically improve your efficiency, comfort and reliability

## No disturbance of daily operations

- Reuse of existing pipework results in fast installation
- > Plan phases to avoid loss of business
- > Replace any VRF system

#### Lower installation costs

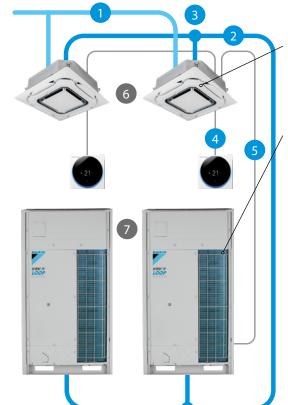
- > Shorter installation time
- > Use of existing piping and wiring
- > Reuse of materials

## Lower investment and reduced running costs

- > CAPEX: Lower initial investment
- OPEX: Lower energy consumption and maintenance costs
- > Keep your business running seamlessly

## Higher property value

- > Higher property value
- > Improved facilities
  - Subsidies
  - Certifications (BREEAM, LEED and WFII)

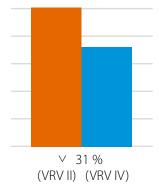


## The Daikin upgrade solution:

#### Replace indoor units (optional)

 Depending on model type and condition the indoor units can be kept.

Replace outdoor units



31 % less energy used



## VRV-Q benefits to increase your profit:

## Optimise your business

#### Less installation time

Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

#### Lower installation costs

Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

#### Replace non-Daikin systems

#### NON DAIKIN DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

#### Easy as one-two-three

A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody wins.

Watch our online seminar on replacement VRV now!



	<b>VRV-Q</b> , keeping indoor units	<b>VRV-Q</b> , replacing indoor units	Completely new installation with standard VRV
Remove outdoor unit	21 %	21 %	21 %
Install new outdoor unit	14 %	14 %	14 %
Clean cooling circuit and leak test	14 %	14 %	14 %
Remove indoor units	-	8 %	8 %
Remove refrigerant pipes and other tasks	-	-	8 %
Install new refrigerant pipes	-	-	14 %
Install new indoor units and other tasks	_	21 %	21 %
Total installation time	49 %	78 %	100 %

# Technology insight – Pipe cleaning and automatic refrigerant charging

Pipe cleaning and automatic refrigerant charging ensures a trouble-free operation.

Thanks to the pipe cleaning, possible contamination in the pipes is collected ensuring a trouble-free operation as with a completely new system.

The automatic charging ensures the correct amount of refrigerant is charged, so knowledge of the exact piping layout is not needed!

## One touch convenience:

- Measure and charge refrigerant
- > Test operation







## Replacement VRV, heat recovery

## Quick & quality replacement for R-22 and R-407C systems

- > Cost effective and fast replacement as only the outdoor and indoor unit needs to be replaced, meaning almost no work has to be carried out inside the building
- > Efficiency gains of more than 40% can be realized, thanks to technological developments in heat pump technology and the more efficient R-410A refrigerant
- > Less intrusive and time consuming installation compared to installing a new system, as the refrigerant piping can be maintained
- > Unique automatic refrigerant charge eliminates the need to calculate refrigerant volume and allows safe replacement of competitor replacement
- > Automatic cleaning of refrigerant piping ensures a clean piping network, even when a compressor breakdown has occurred
- > Possibility to add indoor units and increase capacity without changing the refrigerant piping
- > Possibility to spread the various stages of replacement thanks to the modular design of the VRV system
- > Accurate temperature control, fresh air provision, air handling units and Biddle air curtains all integrated in a single system requiring only one single point of contract (RXYQQ-U only)
- > Incorporates VRV IV standards & technologies: Variable Refrigerant
- > Temperature and full inverter compressors (RXYQQ-U only)
- > Free combination of outdoor units to meet installation space or efficiency requirements (RXYQQ-U only)



More details and final information can be found by scanning or clicking the QR codes.



<b>Outdoor unit Syst</b>	em		RQCEQ	280P3	460P3	500P3	540P3	712P3	744P3	816P3
System	Outdoor	unit module 1			RQEQ140P3		RQEQ180P3	RQEC	)140P3	RQEQ180P3
•	Outdoor	unit module 2		RQE	Q140P3		RQEC	180P3		RQEQ212P3
	Outdoor	unit module 3		-		RQEC	180P3		RQEQ	212P3
	Outdoor	unit module 4				-			RQEQ212P3	
Capacity range			HP	10	16	18	20	24	26	28
Cooling capacity	Prated,c		kW	28.0	46.0	50.0	54.0	70.0	72.0	78.0
Heating capacity	Prated,h		kW	32.0	52.0	56.0	60.0	78.4	80.8	87.2
Recommended con	nbination			4 x FXMQ63P7VEI	3 4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	4 x FXSQ32A2VEB + 8 x FXSQ40A2VEB	12 x FXSQ40A2VEB		6 x FXSQ40A2VEB +	
ηs,c			%	200	191	201	198	19	94	204
ηs,h			%	159	161	150	148	153	15	55
Maximum number	of connec	table indoor units		21	34	39	43	52	56	60
Indoor index	Min.			140	230	250	270	356	372	408
connection	Nom.			280	50	00	540	712	744	816
	Max.			364	598	650	702	926	967.0	1,061
Piping connections	oing connections Liquid OD			9.52	12.7		15.9		19	9.1
	Gas	OD	mm	22.2		28	3.6		34	1.9
	Total piping length	g System Actual	m				300			
Power supply	Phase/Fre	equency/Voltage	Hz/V				3~/50/400			
Current - 50Hz	Maximur	n fuse amps (MFA)	Α	30	50	6	0	8	30	90
Outdoor unit mod	lule		RQEQ-P3		140P3		180P3		212P3	3
Dimensions	Unit	HeightxWidthxDepth	mm				1,680x635x765			
Weight	Unit		kg			175			179	
Fan	Air flow rat	e Cooling Nom.	m³/min		95			110		
	Туре						Propeller fan			
Sound power level	Cooling	Nom.	dBA		79		83		87	
	Heating	According to ENER LOT21	dBA		79			84		
Sound pressure level	Cooling	Nom.	dBA				-			
Operation range	Cooling	Min.~Max.	°CDB	°CDB -5~43						
	Heating	Min.~Max.	°CWB	°CWB -20~15.5						
Refrigerant	Type/GW	Р					R-410A/2,087.5			
	Charge		kg/TCO2Eq	1	0.3/21.5		10.6/22.1		11.2/23	.4
Power supply	Phase/Fre	equency/Voltage	Hz/V				3~/50/380-415			
Current - 50Hz	Maximur	n fuse amps (MFA)	Α		15		20		22.5	





## Replacement VRV, heat pump





More details and final information can be found by scanning or clicking the QR codes.







RXYQQ-U



Outdoor unit			RXYQQ	RQYQ14	0P 8	BU	10U	12U		14U	16U	18	U	20U
Capacity range			HP	5		8	10	12		14	16	18	3	20
Cooling capacity	Prated,c		kW	14.0	2	2.4	28.0	33.5	;	40.0	45.0	50	.4	52.0
Heating capacity	Prated,h		kW	16.0	2	2.4	28.0	33.5		40.0	45.0	50	.4	56.0
3,	Max.	6°CWB	kW	-	_	5.0	31.5	37.5		45.0	50.0	56		63.0
Recommended cor				4 x FXSQ32A					OAVEB 1xFX	FQ50AVEB+	4 x FXFQ63AVE 2 x FXFQ80AVI	B + 3 x FXFQ5	OAVEB + 2	x FXFQ50AVEE
ηs,c			%	194	30	2.4	267.6	247.8		250.7	236.5	238		233.7
ns,h			%	137		57.9	168.2	161.4		155.4	157.8	16:		156.6
SEER			/0	-				6.3	133.4	137.0	6.0	J.1	5.9	
SCOP				-		4.3		4.1	0.5	4.	n	4.	2	4.0
	- <b>f</b>			10		4.3		4.1		64	U	4.	2	4.0
Maximum number		able indoor units			10	0.0	125.0	150.6			200.0	221	- 0	250.0
Indoor index	Min.			62.5	10	0.0	125.0	150.0	)	175.0	200.0	22!	0.0	250.0
connection	Nom.			125						-				
	Max.			162.5		0.0	325.0	390.	0	455.0	520.0	58		650.0
Dimensions	Unit	HeightxWidthxDepth		1,680x635x	765	1,6	85x930x7	65				x1,240x76		
Weight	Unit		kg	175			198			27	75		308	1
Fan	Air flow rate	Cooling Nom.	m³/min	95						-				
Sound power level	Cooling	Nom.	dBA	79	7	8.0	79.1	83.4	.	80.9	85.6	83	.8	87.9
	Heating	Prated,h - According to ENER LO	T21 dBA	79	79	.6	80.9	83.5-	-	83.1	86.5	85.	3	89.8
Sound pressure leve	l Coolina	Nom.	dBA	-		57.0		61.0		60.0	63.0	62	.0	65.0
Operation range	Cooling	Min.~Max.	°CDB	-5~43						.0~43.0				
operation range	Heating	Min.~Max.	°CWB	-20~15.						0.0~15.5				
Refrigerant	Type/GW		CIID	20 15.	J			R	410A/2,08					
nemgerant	Charge		kg/TCO2Eq	11.1/23.	2 50	/12.3	6.0/12.5	6.3/13		).3/21.5	11.3/23.6 11.7/24.4 11.8			11.8/24.6
Piping connections		OD		11.1/23.		.52	0.0/12.3	0.3/13	0.2	12.7	11.3/23.0	15.9		
riping connections			mm	45.0			22.2			12./	20.6			'
	Gas	OD	mm	15.9	1	9.1	22.2				28.6			
	Total piping length	System Actual	m	300						300				
Power supply	Phase/Fre	quency/Voltage	Hz/V	3~/50/380	-415				3N~/	50/380-41	5			
Current - 50Hz	Maximun	fuse amps (MFA)	A	15		20	25		32			40		50
Outdoor unit Syst	em		RXYQQ	22U	24U	26U	28U	30U	32U	34U	36U	38U	40U	42U
System	Outdoor	unit module 1		RXYOO10U	RXYQQ8U		RXYOO12U	J		RXYOO16	Ū	RXYOO8U	RX	/OO10U
,	Outdoor	unit module 2				RXYOO14U	RXYOO16U	RXYOO18U	RXYOO16L	RXYOO18L	J RXYQQ20U	RXYOO10U	RXYOO12	U RXYOO16L
		unit module 3					,	-						BU RXYQQ16U
Capacity range	Outdoor	anic module 5	HP	22	24	26	28	30	32	34	36	38	40	42
Cooling capacity	Prated,c		kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	97.0	102.4	111.9	118.0
Heating capacity	Prated,h		kW	61.5	67.4	73.5	78.5	83.9	90.0	95.4	101.0	102.4	111.9	118.0
пеанид сарасну		COCIMID	kW	69.0				94.0	100.0	106.5		119.5	125.5	
2 1 1	Max.	6°CWB	KVV		75.0	82.5	87.5				113.0			131.5
Recommended cor	nbination			6 x FXFQ50AVEB + 4 x FXFQ63AVEB	4xFXFQ50AVEB+ 4xFXFQ63AVEB+	7 x FXFQ50AVEB+ 5 x FXFQ63AVEB	4xFXFQ63AVEB+	9 x FXFQ50AVEB + 5 x FXFQ63AVEB	8 x FXFQ63AVEB 4 x FXFQ80AVEB		+ 10 x FXFQ63AVEB +	6 x FXFQ50AVEB + 10 x FXFQ63AVEB	9 x FXFQ50AVE 9 x FXFQ63AV	
				I A I A I A I A I A I A I A I A I A I A	2 x FXFQ80AVEB		2 x FXFQ80AVEB				_			261.2
ns.c			%		2xFXFQ80AVEB	264.2	-	256.8	251.7	253.3	250.8	272.4	263.5	
ηs,c ns h			%	274.5	2xFXFQ80AVEB 269.9	264.2	257.8	256.8 169.8	251.7 163.1	253.3 166.2	250.8 162.4	272.4 167.5	263.5 170.0	
ηs,h			% %	274.5 171.2	2xFXFQ80AVEB 269.9 167.0	164.6	257.8 166.0	169.8	163.1	166.2	162.4	167.5	170.0	165.5
ηs,h SEER				274.5 171.2 6.9	2xFXFQ80AVEB 269.9 167.0 6.8	164.6 6.7	257.8 166.0	169.8 .5	163.1	166.2 5.4	162.4 6.3	167.5 6.9	170.0 6.7	165.5 6.6
ηs,h SEER SCOP	of sonnos	nabla indoor units		274.5 171.2	2xFXFQ80AVEB 269.9 167.0	164.6 6.7	257.8 166.0	169.8	163.1	166.2	162.4	167.5 6.9	170.0	165.5
ns,h SEER SCOP Maximum number		able indoor units		274.5 171.2 6.9 4.4	2xFXFQ80AVEB 269.9 167.0 6.8 4.3	164.6 6.7	257.8 166.0 6	169.8 .5 4.3	163.1	166.2 5.4 1.2	162.4 6.3 4.1	167.5 6.9 4	170.0 6.7 .3	165.5 6.6 4.2
ns,h SEER SCOP Maximum number Indoor index	Min.	able indoor units		274.5 171.2 6.9	2xFXFQ80AVEB 269.9 167.0 6.8	164.6 6.7	257.8 166.0	169.8 .5	163.1 64 400.0	166.2 5.4	162.4 6.3	167.5 6.9	170.0 6.7	165.5 6.6 4.2
ns,h SEER SCOP Maximum number Indoor index	Min. Nom.	able indoor units		274.5 171.2 6.9 4.4 275.0	2xFXFQ80AVEB 269.9 167.0 6.8 4.3	164.6 6.7 4 325.0	257.8 166.0 6 1.2	169.8 .5 4.3 375.0	163.1 64 400.0	166.2 5.4 1.2 425.0	162.4 6.3 4.1 450.0	167.5 6.9 4 475.0	170.0 6.7 .3	165.5 6.6 4.2 525.0
ns,h SEER SCOP Maximum number Indoor index connection	Min. Nom. Max.		%	274.5 171.2 6.9 4.4 275.0	2xFXFQ80AVEB 269.9 167.0 6.8 4.3 300.0	164.6 6.7	257.8 166.0 6	169.8 .5 4.3	163.1 64 400.0	166.2 6.4 6.2 425.0	162.4 6.3 4.1	167.5 6.9 4	170.0 6.7 .3	165.5 6.6 4.2 525.0
ns,h SEER SCOP Maximum number	Min. Nom. Max. Liquid	OD	% mm	274.5 171.2 6.9 4.4 275.0 715.0	2xFXFQ80AVEB 269.9 167.0 6.8 4.3	164.6 6.7 4 325.0	257.8 166.0 6 1.2 350.0	169.8 .5 4.3 375.0	163.1 64 400.0	166.2 5.4 1.2 425.0	162.4 6.3 4.1 450.0	167.5 6.9 475.0	170.0 6.7 .3 500.0	165.5 6.6 4.2 525.0
ns,h SEER SCOP Maximum number Indoor index connection	Min. Nom. Max.		%	274.5 171.2 6.9 4.4 275.0	2xFXFQ80AVEB 269.9 167.0 6.8 4.3 300.0	164.6 6.7 4 325.0	257.8 166.0 6 1.2 350.0	169.8 .5 4.3 375.0	163.1 64 400.0	166.2 6.4 6.2 425.0	162.4 6.3 4.1 450.0	167.5 6.9 475.0	170.0 6.7 .3	165.5 6.6 4.2 525.0
ns,h SEER SCOP Maximum number Indoor index connection	Min. Nom. Max. Liquid	OD	% mm	274.5 171.2 6.9 4.4 275.0 715.0	2xFXFQ80AVEB 269.9 167.0 6.8 4.3 300.0	164.6 6.7 4 325.0	257.8 166.0 6 1.2 350.0	169.8 .5 4.3 375.0	163.1 64 400.0	166.2 6.4 6.2 425.0	162.4 6.3 4.1 450.0	167.5 6.9 475.0	170.0 6.7 .3 500.0	165.5 6.6 4.2 525.0
ns,h SEER SCOP Maximum number Indoor index connection Piping connections	Min. Nom. Max. Liquid Gas Total piping length	OD OD System Actual	mm mm	274.5 171.2 6.9 4.4 275.0 715.0	2xFXFQ80AVEB 269.9 167.0 6.8 4.3 300.0	164.6 6.7 4 325.0	257.8 166.0 6 1.2 350.0	169.8 .5 4.3 375.0 975.0	163.1 64 400.0 - 1,040.0	166.2 5.4 1.2 425.0 1,105.0 19.1	162.4 6.3 4.1 450.0	167.5 6.9 475.0	170.0 6.7 .3 500.0	165.5 6.6 4.2 525.0
ns,h SEER SCOP Maximum number Indoor index connection	Min. Nom. Max. Liquid Gas Total piping length Phase/Fre	OD OD	mm mm m	274.5 171.2 6.9 4.4 275.0 715.0	2xFXFQ0MVB 269.9 167.0 6.8 4.3 300.0 780.0 .9	164.6 6.7 4 325.0	257.8 166.0 6 1.2 350.0	169.8 .5 4.3 375.0 975.0	163.1 64 400.0 - 1,040.0 300	166.2 5.4 1.2 425.0 1,105.0 19.1	162.4 6.3 4.1 450.0	167.5 6.9 475.0	170.0 6.7 .3 500.0	165.5 6.6 4.2 525.0

fluorinated greenhouse gases

\* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland



## Welcome a new range of features

#### More flexibility

- > Mixed connection of HT hydroboxes and VRV indoor units
- > Connects to stylish indoor units such as Daikin Emura, ... (no mixed connection with other indoors possible)
- > Extension of the range: 8-10-12-14HP, combinable up to 42HP while keeping the most compact casing in the market
- > Extended piping length up 165m (actual)
- > Extended indoor unit height difference to 30m

## Most compact casing in the market!







8 to 14 HP

16 to 28 HP

30 to 42 HP

#### More capacity

> Up to 72% increased capacity (!) per model thanks to new compressor and larger heat exchanger

#### Easier commissioning & customisation

- > 7 segment display
- > 2 analogue input signals allowing external control of
  - ON-OFF (e.g. compressor)
  - Operation mode (cooling / heating)
  - Limit of capacity
  - Error signal

## Unique zero heat dissipation principle



- No need for ventilation or cooling in the technical room
- > Control heat dissipation to achieve maximum efficiency: set target technical room temperature and unit regulates actual heat dissipation

## Total solution



Daikin Emura wall mounted unit



Biddle air curtain



FTXA-AW/BS/BB/BT Stylish



Air handling unit for ventilation



Fully flat cassette



Low temperature hydrobox



ntelligent Manager



High temperature hydrobox

## With all existing standard functions





#### Indoor installation makes unit invisible from the outside

- > Seamless integration in the surrounding architecture as you cannot see the unit
- > Highly suited for sound sensitive areas as there is no external operation sound
- > Very flexible indoor installation as there is no heat dissipation
- > Superior efficiency, even in the most extreme outside conditions, especially in geothermal operation

## 0'0'0 LOOP Unified range for heat pump & heat recovery and standard & geothermal

#### Variable water flow control

- > The variable water flow control option reduces excessive energy use by the circulation pump.
- > By controlling a variable water valve, the water flow is reduced when possible, saving energy.
- > Via 0~10 volt

## Lower refrigerant concentration levels

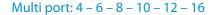
Water-cooled VRV systems typically have less refrigerant per system making it ideal to comply with the EN378 legislation limiting the amount of refrigerant in hospitals and hotels.

#### The refrigerant levels remain limited thanks to:

- > limited distance between outdoor and indoor unit
- > modularity: enabling small systems per floor instead of one big system. Thanks to the water circuit heat recovery is still possible in the entire building

# Flow Valve Input Signal low Control Valv

## Single port



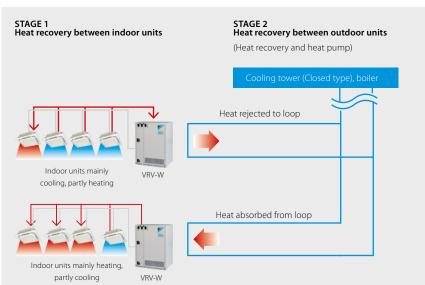




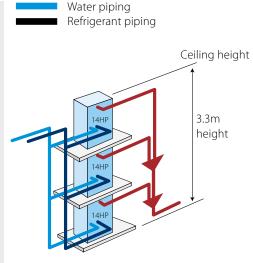
## Maximum design flexibility and installation speed

- > Quickly and flexibly design your system with a unique range of single and multi BS boxes.
- > A wide variety of compact and lightweight multi BS boxes greatly reduces installation time.
- > Free combination of single and multi BS boxes

## 2-stage heat recovery



#### Stacked configuration



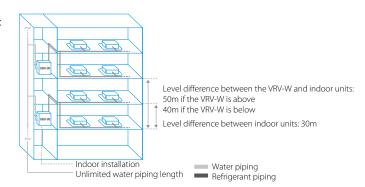
## VRV IV water cooled+ series

#### Ideal for high rise buildings, using water as heat source

- Environmental conscious solution: reduced CO<sub>2</sub> emissions thanks to the use of geothermal energy as a renewable energy source and typical lower refrigerant levels making it ideal to comply with FN378
- Covers all thermal needs of a building via a single point of contact: accurate temperature control, ventilation, air handling units, Biddle air curtains and hot water
- Unique zero heat dissipation principle obviates the need for ventilation or cooling in the technical room, maximising installation flexibility
- > Wide range of indoor units: possibility to combine VRV with stylish indoor units (Daikin Emura, Perfera)
- > Incorporates VRV IV standards & technologies: Variable Refrigerant Temperature, VRV configurator, 7-segment display and full inverter compressors
- > Developed for easy installation and servicing: choice between top or front connection for refrigerant piping and rotating switch box for easy access to serviceable parts
- > Compact & lightweight design can be stacked for maximum space saving: 42HP can be installed in less than 0.5m² floorspace
- 2-stage heat recovery: first stage between indoor units, second stage between outdoor units thanks to the storage of energy in the water circuit

- > Unified model for heat pump and heat recovery version and geothermal and standard operation
- > Variable Water Flow control option increases flexibility and control
- 2 analogue input signals allowing external control of ON-OFF, operation mode, error signal, ...
- > Contains all standard VRV features

1070





## Connectable stylish indoor units

		20 CLASS	25 CLASS	35 CLASS	42 CLASS	50 CLASS	60 CLASS	71 CLASS
Daikin Emura - Wall mounted unit	FTXJ-AW/AS/AB	•	•	•		•		
Stylish - Wall mounted unit	FTXA-CW/B/S	•	•	•	•	•		
Perfera wall mounted	FTXM-A	•	•	•	•	•	•	•
Perfera floor standing	FVXM-A9	•		•		•		

DWEVO

BPMKS box needed to connect RA indoors to VRV IV (RYYQ / RXYQ)

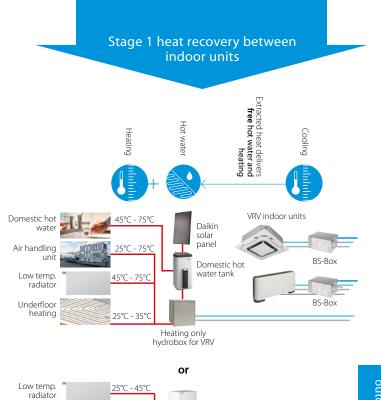
More details and final information can be found by scanning or clicking the QR codes.



Outdoor unit			RWEYQ	8T9	10T9	12T9	14T9
Capacity range			HP	8	10	12	14
Cooling capacity	Prated,c		kW	22.4	28.0	33.5	40.0
Heating capacity	Prated,h		kW	25.0	31.5	37.5	45.0
	Max.	6°CWB	kW	25.0	31.5	37.5	45.0
Recommended cor	mbination			4 x FXMQ50P7VEB	4 x FXMQ63P7VEB	6 x FXMQ50P7VEB	1 x FXMQ50P7VEB + 5 x FXMQ63P7VEB
ηs,c			%	326.8	307.8	359.0	330.7
ηs,h			%	524.3	465.9	436.0	397.1
SEER				8.4	7.9	9.2	8.5
SCOP				13.3	11.8	11.1	10.1
Maximum number	of connec	table indoor units			64	(1)	
Indoor index	Min.			100.0	125.0	150.0	175.0
connection	Max.			300.0	375.0	450.0	525.0
Dimensions	Unit	HeightxWidthxDepth	mm		980x76	57x560	
Weight	Unit	<u> </u>	kg	19	95	1'	97
Sound power level	Cooling	Nom.	dBA	65.0	71.0	72.0	74.0
Sound pressure level	Cooling	Nom.	dBA	48.0	50.0	56.0	58.0
Operation range	Inlet water	Cooling Min.~Max.	°CDB		10~	45	
,	temperature	Heating Min.~Max.	°CWB		10~	-45	
	Temperature around casing		°CDB		0~	40	
	Humidity around casing	Cooling~ Max. Heating	%		80-	-80	
Refrigerant	Type/GW	P			R-410A	/2,087.5	
	Charge		kg/TCO2Eq	7.9/	16.5	9.6/	20.0
Piping connections	s Liquid	OD	mm	9.	52	12	2.7
	Gas	OD	mm	19.1	22.2	28	3.6
	HP/LP gas	OD	mm	15.9/19.1	19.1/22.2	19.1/28.6	22.2/28.6
	Drain	Size			14mm OD	/ 10mm ID	
	Water	Inlet/Outlet Size			ISO 228-G1 1/4 B/	/ISO 228-G1 1/4 B	
	Total piping length	System Actual	m		50	00	
Power supply	Phase/Fre	equency/Voltage	Hz/V		3N~/50/	380-415	
Current - 50Hz	Maximun	n fuse amps (MFA)	Α	2	.0	2	25







Underfloor heating

Liquid pipe

Gas pipe Discharge gas pipe

25℃ - 35℃

Reversible low temperature hydrobox



Heat absorbed from loop

<b>Outdoor unit sys</b>	tem	RWEYQ	16T9	18T9	20T9	22T9	24T9	26T9	28T9
System	Outdoor unit module 1		RWE'	YQ8T	RWE	/Q10T	RWE	/Q12T	RWEYQ14T
•	Outdoor unit module 2		RWEYQ8T	RWE	YQ10T	RWE	YQ12T	RWE	YQ14T
Capacity range		HP	16	18	20	22	24	26	28
Cooling capacity	Prated,c	kW	44.8	50.4	56.0	61.5	67.0	73.5	80.0
Heating capacity	Prated,h	kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
	Max. 6°CWB	kW	50.0	56.5	62.5	69.0	75.0	82.5	90.0
Recommended co	mbination		4 x FXMQ63P7VEB + 2 x FXMQ80P7VEB	4 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	8 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	12 x FXMQ50P7VEB	7 x FXMQ50P7VEB + 5 x FXMQ63P7VEB	
ηs,c		%	307.6	308.7	298.1	311.3	342.6	322.5	306.1
ηs,h		%	459.2	491.1	466.8	447.9	434.5	406.9	387.9
SEER			7.	9	7.7	8.0	8.8	8.3	7.9
SCOP			11.7	12.5	11.9	11.4	11.1	10.4	9.9
Maximum numbe	r of connectable indoor units					64(1)			
Indoor index	Min.		200.0	225.0	250.0	275.0	300.0	325.0	350.0
connection	Max.		600.0	675.0	750.0	825.0	900.0	975.0	1,050.0
Piping connection	ns Liquid OD	mm	12.7		15	i.9		19	9.1
	Gas OD	mm		28	3.6			34.9	
	HP/LP gas OD	mm	22.2,	28.6	28.6	/28.6		28.6/34.9	
	Total piping System Actual length	m				500			
Power supply	Phase/Frequency/Voltage	Hz/V				3N~/50/380-41	5		
Current - 50Hz	Maximum fuse amps (MFA)	Α	3	2	35		10	5	50

Maximum fuse amps (MFA)	A	3	2	35	4	0	50				
tem	RWEYQ	30T9	32T9	34T9	36T9	38T9	40T9	42T9			
Outdoor unit module 1			RWEYQ10T			RWEYQ12T		RWEYQ14T			
Outdoor unit module 2		RWE	/Q10T		RWEYQ12T		YQ14T				
Outdoor unit module 3		RWEYQ10T		RWEYQ12T			RWEYQ14T				
	HP	30	32	34	36	38	40	42			
Prated,c	kW	84.0	89.5	95.0	100.5	107.0	113.5	120.0			
Prated,h	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0			
Max. 6°CWB	kW	94.5	100.5	106.5	112.5	120.0	127.5	135.0			
mbination		12 x FXMQ63P7VEB	6 x FXMQ50P7VEB + 8 x FXMQ63P7VEB	12 x FXMQ50P7VEB + 4 x FXMQ63P7VEB	18 x FXMQ50P7VEB	13 x FXMQ50P7VEB + 5 x FXMQ63P7VEB		3 x FXMQ50P7VEB + 15 x FXMQ63P7VEB			
	%	308.3	318.2	342.5	352.3	338.8	341.4	332.9			
	%	467.2	456.1	447.0	438.5	419.4	404.4	391.2			
		7.9	8.2	8.8	9.0	8	.7	8.5			
		11.9	11.6	11.4	11.2	10.7	10.3	10.0			
of connectable indoor units					64(1)						
Min.		375.0	400.0	425.0	450.0	475.0	500.0	525.0			
Max.		1,125.0	1,200.0	1,275.0	1,350.0	1,425.0	1,500.0	1,575.0			
s Liquid OD	mm				19.1						
Gas OD	mm		34.9			4	1.3				
HP/LP gas OD	mm		28.6/34.9		28.6/41.3		41.3/34.9				
Total piping System Actual length	m				500						
Phase/Frequency/Voltage	Hz/V				3N~/50/380-415	5					
Maximum fuse amps (MFA)	Α	50		6	53		8	0			
	Outdoor unit module 1 Outdoor unit module 2 Outdoor unit module 3  Prated,c Prated,h Max. 6°CWB mbination  of connectable indoor units Min. Max. s Liquid OD Gas OD HP/LP gas OD Total piping System Actual length Phase/Frequency/Voltage	Outdoor unit module 1 Outdoor unit module 2 Outdoor unit module 3  HP Prated,c kW Prated,h kW Max. 6°CWB kW mbination  of connectable indoor units Min. Max. s Liquid OD mm Gas OD mm HP/LP gas OD mm Total piping System Actual length Phase/Frequency/Voltage Hz/V	wem         RWEYQ         30T9           Outdoor unit module 1         RWEYQ           Outdoor unit module 2         RWEYQ10T           Prated,c         kW         84.0           Prated,h         kW         94.5           Max.         6°CWB         kW         94.5           mbination         12xFXMQ63P7VEB           %         308.3         %         467.2           7.9         11.9         11.9           of connectable indoor units         Min.         375.0           Max.         1,125.0         1,125.0           s Liquid         OD         mm           HP/LP gas         OD         mm           Total piping         System         Actual length           Phase/Frequency/Voltage         Hz/V	lem         RWEYQ         30T9         32T9           Outdoor unit module 1 Outdoor unit module 2 Outdoor unit module 3         RWEYQ10T           Prated,c         RWEYQ10T           Prated,c         RWEYQ10T           Prated,h         RWEYQ10T           Max. 6°CWB         RWW           Max. 6°CWB         RWW           94.5         100.5           Max. 6°CWB         RWW           94.5         100.5           8xFXMQ63P7VEB         8xFXMQ63P7VEB           9%         308.3         318.2           9%         467.2         456.1           7.9         8.2           11.9         11.6           of connectable indoor units         375.0         400.0           Max.         1,125.0         1,200.0           s Liquid         OD         mm           Gas         OD         mm         34.9           HP/LP gas         OD         mm         28.6/34.9           Total piping         System         Actual length           Phase/Frequency/Voltage         Hz/V	Note	lem         RWEYQ         30T9         32T9         34T9         36T9           Outdoor unit module 1 Outdoor unit module 2 Outdoor unit module 3         RWEYQ10T         RWEYQ12T           APP 30         32         34         36           Prated,c         kW         84.0         89.5         95.0         100.5           Prated,h         kW         94.5         100.5         106.5         112.5           Max.         6°CWB         kW         94.5         100.5         106.5         112.5           mbination         12xFXMQ63P7VEB         6xFXMQ50P7VEB+ 8xFXMQ63P7VEB         18xFXMQ50P7VEB+ 4xFXMQ63P7VEB         18xFXMQ50P7VEB+ 4xFXMQ63P7VEB         18xFXMQ50P7VEB+ 4xFXMQ63P7VEB         18xFXMQ50P7VEB+ 4xFXMQ63P7VEB         18xFXMQ50P7VEB+ 4xFXMQ63P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB         18xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4xFXMQ50P7VEB+ 4x	lem         RWEYQ         30T9         32T9         34T9         36T9         38T9           Outdoor unit module 1 Outdoor unit module 2 Outdoor unit module 3         RWEYQ10T         RWEYQ12T           Outdoor unit module 3         RWEYQ10T         RWEYQ12T           HP         30         32         34         36         38           Prated,c         kW         84.0         89.5         95.0         100.5         107.0           Prated,h         kW         94.5         100.5         106.5         112.5         120.0           Max.         6°CWB         kW         94.5         100.5         106.5         112.5         120.0           mbination         12xFXMQ63P7VEB         6xFXMQ50P7VEB+ 12xFXMQ50P7VEB + 12x	RWEYQ         3019         3219         3419         3619         3819         4019           Outdoor unit module 1         RWEYQ10T         RWEYQ12T         RWEYQ12T         RWEYQ14T           Outdoor unit module 3         RWEYQ10T         RWEYQ12T         RWEYQ14T           RWEYQ14T         A         40.0.5         19.1         SAFAMQ50PYEB 18 XFXMQ50PYEB 18 XFXMQ50PYEB 18 XFXMQ50PYEB 18 XFXMQ50PYEB 10x XFXMQ50PYEB 10x XFXMQ50PYEB 10x XFXMQ50PYEB 10x XFXMQ			

(I)Actual number of connectable indoor units depends on the indoor unit type (VRV indoor, Hydrobox, RA indoor, etc.) and the connection ratio restriction for the system (50% <= CR <= 130%) | Contains fluorinated greenhouse gases

<sup>\*</sup> EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland



# Individual branch selector for VRV IV heat recovery

- > Unique range of single and multi BS boxes for flexible and fast design
- > Compact & light to install
- > Ideal for remote rooms as no drain piping is needed
- Allows integration of server rooms into the heat recovery solution thanks to technical cooling function
- > Connect up to 250 class unit (28kW)
- > UNIQUE Faster installation thanks to open port connection
- > Allows multi tenant applications
- > Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T8 heat recovery units



More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				BS1Q	1Q10A	1Q16A	1Q25A			
Power input	Cooling	Nom.		kW		0.005				
	Heating	Nom.		kW		0.005				
Maximum number	of connect	able indo	or units		6	8	1			
Maximum capacity	index of c	onnectab	le indoor units		15 <x≤100< td=""><td>100<x≤160< td=""><td>160<x≤250< td=""></x≤250<></td></x≤160<></td></x≤100<>	100 <x≤160< td=""><td>160<x≤250< td=""></x≤250<></td></x≤160<>	160 <x≤250< td=""></x≤250<>			
Dimensions	Unit	Heightx\	WidthxDepth	mm		207x388x326				
Weight	Unit			kg	1	12	15			
Casing	Material					Galvanised steel plate				
Piping connections	Outdoor	Liquid	OD	mm		9.52				
	unit	Gas	OD	mm	15	5.9	22.2			
		Discharge g	as OD	mm	12	2.7	19.1			
	Indoor	Liquid	OD	mm		9.52				
	unit	Gas	OD	mm	15	5.9	22.2			
Sound absorbing th	nermal insu	ulation			Foamed polyurethane Flame-resistant needle felt					
Power supply	Phase/Fre	equency/\	/oltage	Hz/V		1~/50/220-240				
	Maximun	n fuse amı	os (MFA)	Α		15				

Contains fluorinated greenhouse gases

#### BS-Q14AV1B

# Multi branch selector for VRV IV heat recovery

- > Unique range of single and multi BS boxes for flexible and fast design
- Major reduction in installation time thanks to wide range, compact size and light weight multi BS boxes
- > Up to 70% smaller and 66% lighter than previous series
- Faster installation thanks to a reduced number of brazing points and wiring
- > All indoor units connectable to one BS box
- > Less inspection ports needed compared to installing single BS boxes
- > Up to 16kW capacity available per port
- > Connect up to 250 class unit (28kW) by combining 2 ports
- > No limit on unused ports allowing phased installation
- > UNIQUE Faster installation thanks to open port connection
- > **UNIQUE** Refrigerant filters for high reliability
- > Allows multi tenant applications
- > Connectable to REYQ-T, RQCEQ-P3 and RWEYQ-T8 heat recovery units



More details and final information can be found by scanning or clicking the QR codes.



BS-Q14AV1B

Indoor Unit				BS	4Q14AV1B	6Q14AV1B	8Q14AV1B	10Q14AV1B	12Q14AV1B	16Q14AV1B			
Maximum number	of connec	table indo	or units		20	30	40	50	60	64			
Maximum capacity	index of c	onnectab	le indoor units		400	600	50						
Dimensions	Unit	Heightx\	WidthxDepth	mm	298x370x430	298x5	80x430	298x8	20x430	298x1,060x430			
Weight	Unit			kg	17.0	24.0	26.0	35.0	38.0	50.0			
Casing	Material						Galvanised	steel plate					
Piping connections	Outdoor	Liquid	OD	mm	9.52	12.7	12.7/15.9	15.9	15.9/19.1	19.1			
	unit	Gas	OD	mm	22.2/19.1	28.6/22.2	28.6	28.6	/34.9	34.9			
		Discharge g	as OD	mm	19.1/15.9	19.1/22.2	19.1/22.2/28.6		28.6				
	Indoor	Liquid	OD	mm			6.35	/9.52					
	unit	Gas	OD	mm			12.7/	/15.9					
Sound absorbing th	nermal ins	ulation					Urethane foam, p	olyethylene foan	1				
Power supply	supply Phase/Frequency/Voltage				1~/50/220-240								
	Maximun	n fuse am	os (MFA)	Α			1	5					

## Products overview **JRJ IV**

Capacity class (kW)

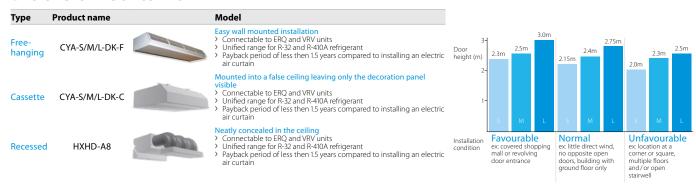
	Model	rı e	roduct name				32								140		
	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort  > Auto cleaning function ensures high efficiency  Intelligent sensors save energy and maximize comfort  > Flexibility to suit every room layout  Lowest installation height in the market!  > Widest choice ever in decoration panel designs and colors	FXFQ-B		•	•	•	•	•	•		•	•	•		St	U' trea ki
Ś	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling  > Perfect integration in standard architectural ceiling tiles  > Blend of iconic design and engineering excellence  > Intelligent sensors save energy and maximize comfort  > Small capacity unit developed for small or well-insulated rooms  > Flexibility to suit every room layout	FXZQ-A	•	•	•	•	•	•								
	2-way blow ceiling mounted cassette	Thin, lightweight design installs easily in narrow ceiling spaces  > Depth of all units is 620mm, ideal for narrow ceiling spaces  > Flexibility to suit every room layout  > Reduced energy consumption thanks to DC fan motor  > The flaps close entirely when the unit is not operating  > Optimum comfort with automatic air flow adjustment to the required load	FXCQ-A		•	•	•	•	•	•		•		•		1-i	N wa
	Ceiling mounted corner cassette	1-way blow unit for corner installation     Compact dimensions enable installation in narrow ceiling voids     Flexible installation thanks to different air discharge options	FXKQ-MA			•	•	•		•						Ne ! A	ew 50 va mr
	Slim concealed ceiling unit	Slim design for flexible installation  Compact dimensions enable installation in narrow ceiling voids  Medium external static pressure up to 44Pa  Only grilles are visible  Small capacity unit developted for small of well-insulated rooms  Reduced energy consumption thanks to DC fan motor	FXDQ-A3		•	•	•	•	•	•		cle		ito ng filt	ter	Mul	lti
)	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market!  > Slimmest unit in class, only 245mm  > Low operating sound level  > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths  > Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort	FXSQ-A		•	•	•	•	•	•		•	•	•	•	Mul	lti
	Concealed ceiling unit with high ESP	ESP up to 200, ideal for large sized spaces  > Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment  > Reduced energy consumption thanks to DC fan motor  > Flexible installation as the air suction direction can be altered from rear to bottom suction	FXMQ-P7	h					•	•		•	•	•			
	Concealed ceiling unit with high ESP	ESP up to 250, ideal for extra large sized spaces  > Only grilles are visible  Large capacity unit: up to 31.5 kW heating capacity	FXMQ-A													•	
	Wall mounted unit	For rooms with no false ceilings nor free floor space  > Flat, stylish front panel is more easy to clean  > Small capacity unit developted for small of well-insulated rooms  > Reduced energy consumption thanks to DC fan motor  > The air is comfortably spread up- and downwards thanks to 5 different discharge angles	FXAQ-A	•	•	•	•	•	•	•							
	Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space  Ideal for comfortable air flow in wide rooms thanks to Coanda effect Rooms with ceilings up to 3.8m can be heated or cooled very easily!  Can easily be installed in both new and refurbishment projects Can even be mounted in corners or narrow spaces without any problem Reduced energy consumption thanks to DC fan motor	FXHQ-A				•			•			•				
	UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space  > Rooms with ceilings up to 3.5m can be heated up or cooled down very easily!  > Can easily be installed in both new and refurbishment projects  > Flexibility to suit every room layout  > Reduced energy consumption thanks to DC fan motor	FXUQ-A								•		•				
	Floor standing unit	For perimeter zone air conditioning  > Can be installed in front of glass walls or free standing as both the front and the back are finished  > Ideal for installation beneath a window  > Requires very little installation space  > Wall mounted installation facilitates cleaning beneath the unit	FXLQ-P	]	•	•	•	•	•	•							
	Concealed floor standing	Ideal for installation in offices, hotels and residential applications  Discretely concealed in the wall, leaving only the suction and discharge grilles visible  Can even be installed underneath a window  Requires very little installation space as the depth is only 200mm	FXNQ-A		•	•	•	•	•	•							
	unit	› High ESP allows flexible installation															L

<sup>(1)</sup> Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m (2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

## Hydrobox range

Туре	Product name	Model	80	125	20	Leaving water temperature range
Low temperature hydrobox	НХҮ-А8	> Ideal for hot or cold w > Hot/Cold water from ! > Large operation rang > Fully integrated water	te heating and cooling ater in underfloor, air handling units, low temperature radiators * to 45°C (down to -20°C and up to 43°C) -side components save time on system design oorary wall hung design	•		5 °C - 45 °C
High temperature hydrobox	HXHD-A8	> Ideal for hot water in b > Hot water from 25 to > "Free" heating and ho	t water through heat recovery lology to produce hot water efficiently, providing up to 17% savings lier	•	•	25 °C - 80 °C

## Biddle air curtains



## Products overview Stylish indoor units

Depending on the application, Split and Sky Air Connectable outdoor unit indoor units can be connected to our VRV IV RXYSCQ-TV1<sup>2</sup> RXYSQ-TV9<sup>2</sup> RXYSQ-TY9/TY1<sup>3</sup> and VRV IV S-series outdoor units. Refer to the outdoor unit portfolio for combination restrictions. RXYQ-U RYYQ-U RXYLQ-T Capacity class (kW) 60 Model **Product name** 15 20 25 35 50 Type 42 Round flow cassette ROUND FLOW FCAG-B Ceiling mounted cassette Fully flat FFA-A9 cassette Slim concealed ceiling unit FDXM-F9 Concealed ceiling Concealed ceiling unit FBA-A(9) with inverter-driven fan FTXA-CW/ Daikin Emura Wall mounted unit CB/CS reddot award 2014 Wall Stylish FTXA-CW/S/B Wall mounted unit mounted Perfera CTXM-A / Wall mounted unit FTXM-A RXYS(C)Q Ceiling Ceiling suspended unit FHA-A(9) suspended Perfera FVXM-A9 Floor standing unit Floor standing Concealed floor standing unit FNA-A9

- 1 To connect stylish indoor units a BPMKS unit is needed
- 2 A mix of RA indoor units and VRV indoor units is not allowed.
- 3 Only in heat pump operation

## Benefits overview **JRV IV**

		Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy
We care	$\Im$	Fan only	The unit can be used as fan, blowing air without heating or cooling
We		Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance
		Presence & floor sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor
_			
	2 1	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired
Comfort	(- <u> -</u> )	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood
	[A]	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature
nent	STREAMER	UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment
Air treatment		Air filter	Removes airborne dust particles to ensure a steady supply of clean air
Humidity	DRY DRY	Dry programme	Allows humidity levels to be reduced without variations in room temperature
		Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains
Airflow		Vertical auto swing	Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room
Air		Fan speed steps	Allows to select up to the given number of fan speed
	×	Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well
	24/7	Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis
		Infrared remote control	Starts, stops and regulates the air conditioner from a distance
		Wired remote control	Starts, stops and regulates the air conditioner
		Centralised control	Starts, stops and regulates several air conditioners from one central point
		Multi zoning	Allows up to 6 individual climate zones with one indoor unit
_			
tions	Auro.	Auto-restart	The unit restarts automatically at the original settings after power failure
Other functions		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies
Othe	~ <b>J</b>	Drain pump kit	Facilitates condensation draining from the indoor unit
		Multi tenant	The indoor unit's main power supply can be turned off when leaving the hotel or office building

Ceiling mounte	ed cassette uni	ts		Concealed	ceiling units		Wall moun- ted unit	Ceiling susp	ended units	Floor star	iding units
FXZQ-A	FXCQ-A	FXKQ-MA	FXDQ-A3	FXSQ-A	FXMQ-P7	FXMQ-A	FXAQ-A	FXHQ-A	FXUQ-A	FXNQ-A	FXLQ-P
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•									0		
•		•							•		
•	•		•	•			•				
•	•	•	•	•	•	•	•	•	•	•	•
• (1)	• (1)	• (1)	• (1)	• (1)	• (1)	(1)     Optional pre filter and high efficiency filter available	• (1)	• (1)	• (1)	• (1)	• (1)
•	•	•	•	•	•	•	•	•	•	•	•
•	•										
•	•	•					•	•	•		
3 + auto	3 + auto	2	3	3 + auto	3	3 + auto	2	3	3 + auto	2	3
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	• (1)	FXZQ-A FXCQ-A	(1) (1) (1) (1)  (1) (1) (1)  (3) (1) (1)  (4) (1)  (5) (1)  (6) (1)  (7) (1)  (8) (1)  (9) (1)  (1)  (1)  (1)  (1)  (1)  (1)  (1)	FXZQ-A FXCQ-A FXKQ-MA FXDQ-A3	FXZQ-A FXCQ-A FXKQ-MA FXDQ-A3 FXSQ-A	FXZQ-A FXCQ-A FXKQ-MA FXDQ-A3 FXSQ-A FXMQ-P7	FXZQ-A FXCQ-A FXKQ-MA FXDQ-A3 FXSQ-A FXMQ-P7 FXMQ-A	FXZQ-A	FXCQ-A	FX2QA   FXCQA   FXCQAM   FXDQA3   FXSQA   FXMQ-P7   FXMQA   FXAQA   FXQA   FXQA   FXQA	FXQ-A   FXQ-A   FXQ-M   FXDQ-A3   FXSQ-A   FXMQ-P7   FXMQ-A   FXAQ-A   FXHQ-A   FXUQ-A   FXNQ-A

• standard, o optional

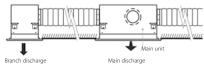




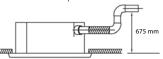
## Round flow cassette

## 360° air discharge for optimum efficiency and comfort

- > Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and
- > Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- > Bigger flaps and unique swing pattern improve equal air distribution
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Lowest installation height in the market: 214mm for class 20-63
- NEW > UV streamer kit, purifies the air of pollutants such as viruses,
  - bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
  - > Optional fresh air intake
  - > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



> Standard drain pump with 675mm lift increases flexibility and installation speed













White auto cleaning panel Black panel

Black design panel

More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				FXFQ	20B	25B	32B	40B	50B	63B	80B	100B	125B			
Cooling capacity	Total capacity	At high fa	an speed	kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00			
Heating capacity	Total capacity	At high fa	an speed	kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00			
Power input - 50Hz	Cooling	At high fa	an speed	kW		0.017		0.018	0.023	0.028	0.045	0.071	0.103			
	Heating	At high fa	an speed	kW		0.017		0.018	0.023	0.028	0.045	0.071	0.103			
Dimensions	Unit	HeightxV	VidthxDepth	mm			204x8	40x840			246x84	10x840	288x840x840			
Weight	Unit			kg		18		19	2	21	2	4	26			
Casing	Material							Galva	nised steel	plate						
Decoration panel	Model				Standar	Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black										
	Dimensions	HeightxV	VidthxDepth	mm	Standard	d panels: 65	x950x950/	Auto cleanir	ng panels: 1	48x950x950	/ Designer	panels: 106>	(950x950			
	Weight			kg		Stand	lard panels:	5.5 / Auto cl	eaning pan	els: 10.3 / De	signer pan	els: 6.5				
Fan	Air flow rate -	Cooling	At high / medium / low fan speed			12.8/10.7/8.9	)	14.8/12.6/10.4	15.1/12.9/10.7	16.6/13.4/10.7	23.3/19.2/13.5	27.8/20.4/13.0	31.6/26.0/19.8			
	50Hz	Heating	At high / medium / low fan speed	m³/min		12.8/10.7/8.9	)	14.8/12.6/10.4	15.1/12.9/10.7	16.6/13.4/10.7	22.5/18.5/13.0	27.8/20.4/13.0	30.3/24.9/18.9			
Air filter	Туре								Resin net							
Sound power level	Cooling	At high fa	an speed	dBA		49.0		51	.0	53.0	55.0	60.0	61.0			
Sound pressure	Cooling	At high / m	nedium / low fan speed	dBA	3	31.0/29.0/28.	.0	33.0/31	.0/29.0	35.0/33.0/30.0	38.0/34.0/30.0	43.0/37.0/30.0	45.0/41.0/36.0			
level	Heating	At high / m	nedium / low fan speed	dBA	3	31.0/29.0/28.	.0	33.0/31	.0/29.0	35.0/33.0/30.0	38.0/34.0/30.0	43.0/37.0/30.0	45.0/41.0/36.0			
Refrigerant	Type/GW	P						R	-410A/2,087	.5						
Piping connections	Liquid	OD		mm			6.35				9.	52				
	Gas	OD		mm			12.7				15.9					
	Drain							VP25	(O.D. 32 / I.	D. 25)						
Power supply	Phase/Fre	equency/V	oltage	Hz/V				1~/50	/60/220-24	0/220						
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α					16							
Control systems	Infrared r	emote con	itrol				BRC7FA532	2F / BRC7FB5	32F / BRC7F	A532FB / BF	RC7FB532FB					
	Wired ren	note contr	ol				3RC1H52W/	S/K / BRC1E5	3A / BRC1E5	3B / BRC1E5	3C / BRC1D5	2				

# **Fully flat cassette**

# Unique design in the market that integrates fully flat into the ceiling

- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- > Two optional intelligent sensors improve energy efficiency and comfort
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!



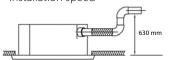
> Optional fresh air intake

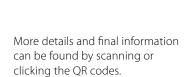
Indoor Unit

> Standard drain pump with 630mm lift increases flexibility and installation speed

FXZQ

15A





25A

32A

20A

BRC1H52W, BRC7F530W-S

FXZQ-A



40A

FXZQ-A

50A

indoor Unit				FXZQ	IDA	20A	ZDA	32A	40A	DUA			
Cooling capacity	Total capacity	At high fa	n speed	kW	1.70	2.20	2.80	3.60	4.50	5.60			
Heating capacity	Total capacity	At high fa	n speed	kW	1.90	2.50	3.20	4.00	5.00	6.30			
Power input - 50Hz	Cooling	At high fa	n speed	kW	0.0	018	0.020	0.019	0.029	0.048			
	Heating	At high fa	n speed	kW	0.0	018	0.020	0.019	0.029	0.048			
Dimensions	Unit	HeightxW	/idthxDepth	mm			260x5	75x575					
Weight	Unit			kg		15.5		16	5.5	18.5			
Casing	Material						Galvanised	l steel plate					
Decoration panel	Model						BYFQ60	C2W1W					
	Colour						White	(N9.5)					
	Dimensions	s HeightxW	/idthxDepth	mm			46x62	0x620					
	Weight			kg			2	.8					
Decoration panel 2	Model						BYFQ6	OC2W1S					
	Colour						SIL	VER					
	Dimensions	s HeightxW	/idthxDepth	mm			46x62	0x620					
	Weight			kg			2	.8					
Decoration panel 3	Model						BYFQ6	0B2W1					
	Colour						White (F	RAL9010)					
	Dimensions	s HeightxW	/idthxDepth	mm			55x70	0x700					
	Weight			kg			2	.7					
Decoration panel 4	Model						BYFQ6	0B3W1					
	Colour						WHITE (	RAL9010)					
	Dimensions	HeightxW	/idthxDepth	mm			55x70	0x700					
	Weight			kg			2	.7					
Fan	Air flow rate - 50Hz	Cooling z	At high / medium / low fan speed		8.5/7.00/6.5	8.7/7.50/6.5	9.0/8.00/6.5	10.0/8.50/7.0	11.5/9.50/8.0	14.5/12.5/10.0			
		Heating	At high / medium / low fan speed	m³/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.5/12.5/10.0			
Air filter	Type						Resi	n net					
Sound power level	Cooling	At high fa	n speed	dBA		19	50	51	54	60			
Sound pressure	Cooling	At high / m	edium / low fan speed	dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0			
level	Heating		edium / low fan speed	dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0			
Refrigerant	Type/GW	P					R-410A	/2,087.5					
Piping connections	Liquid	OD		mm			6.	35					
	Gas	OD		mm			12	2.7					
	Drain							20/O.D. 26)					
Power supply		equency/Vo		Hz/V			1~/50/60/2	220-240/220					
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α			1	16					
Control systems	Infrared r	emote con	trol		BRC7F	530W (white pane	el) / BRC7F530S (g	rey panel) / BRC7E	B530W (standard	panel)			
Control systems	Wired ren	note contro	ol			BRC1H52W/S	5/K / BRC1E53A / B	RC1E53B / BRC1E5	3C / BRC1D52				

# 2-way blow ceiling mounted cassette

#### Thin, lightweight design installs easily in narrow corridors

- > Depth of all units is 620mm, ideal for narrow spaces
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- > Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

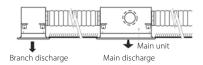
Fresh air intake opening in casing



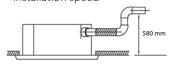
- \* Brings in up to 10% of fresh air into the room
- > Optimum comfort guaranteed with automatic air flow adjustment to the required load
- > Maintenance operations can be performed by removing the front panel



 Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



> Standard drain pump with 580mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.



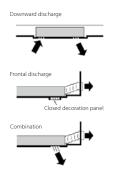
Indoor Unit				FXCQ	20A	25A	32A	40A	50A	63A	80A	125A
Cooling capacity	Total capacity	At high fa	ın speed	kW	2.2	2.8	3.6	4.5	5.6	7.1	9.0	14.0
Heating capacity	Total capacity	At high fa	ın speed	kW	2.5	3.2	4.0	5.0	6.3	8.0	10.0	16.0
Power input - 50Hz	Cooling	At high fa	in speed	kW	0.031	0.0	)39	0.041	0.059	0.063	0.090	0.149
	Heating	At high fa	in speed	kW	0.028	0.0	035	0.037	0.056	0.060	0.086	0.146
Dimensions	Unit	HeightxW	VidthxDepth	mm		305x7	75x620		305x9	90x620	305x1,4	145x620
Weight	Unit			kg		1	9		22	25	33	38
Casing	Material							Galvanised	l steel plate			
Decoration panel	Model					BYBCQ	40HW1		BYBCC	(63HW1	BYBCQ	125HW1
	Colour							Fresh white	(6.5Y 9.5/0.5)			
	Dimensions	HeightxW	VidthxDepth	mm		55x1,0	70x700		55x1,2	85x700	55x1,7	40x700
	Weight			kg		1	0			11		13
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m³/min	10.5/9/7.5	11.5/	9.5/8	12/10.5/8.5	15/13/10.5	16/14/11.5	26/22.5/18.5	32/27.5/22.5
Air filter	Type						Re	esin net with i	mold resistar	nce		
Sound power level	Cooling	At high / m	edium / low fan speed	dBA	48/46/44	50/47/45	50/48/46	52/49/47	53/51/47	55/53/48	58/54/49	62/58/54
Sound pressure	Cooling	At high / m	edium / low fan speed	dBA	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
level	Heating	At high / m	edium / low fan speed	dBA	32.0/30.0/28.0	34.0/31.0/29.0	34.0/32.0/30.0	36.0/33.0/31.0	37.0/35.0/31.0	39.0/37.0/32.0	42.0/38.0/33.0	46.0/42.0/38.0
Refrigerant	Type/GWI	Р						R-410A	/2,087.5			
Piping connections	Liquid	OD		mm			6.35				9.52	
	Gas	OD		mm			12.7				15.9	
	Drain				Ì			VP25 (O.D.	32 / I.D. 25)			
Power supply	Phase/Fre	quency/V	oltage	Hz/V				1~/50/2	220-240			
Current - 50Hz	Maximum	fuse amp	s (MFA)	Α				1	6			
Control systems	Infrared re	emote con	trol					BRC	7C52			
	Wired ren	note contr	ol			BRC	1H52W/S/K/	BRC1E53A / B	RC1E53B / BR	C1E53C / BRC	1D52	

Contains fluorinated greenhouse gases

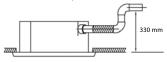
# Ceiling mounted corner cassette

#### 1-way blow unit for corner installation

- > Compact dimensions, can easily be mounted in a narrow ceiling void (only 220mm ceiling space required, 195 with panel spacer, available as accessory)
- Optimum air flow conditions are created by either downward air discharge or frontal air discharge (via optional grille) or a combination of both



- > Maintenance operations can be performed by removing the front panel
- > Standard drain pump with 330mm lift increases flexibility and installation speed





More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit			FXKQ	25MA	32MA	40MA	63MA
Cooling capacity	Total capacity	y At high fan speed	kW	2.8	3.6	4.5	7.10
Heating capacity	Total capacity	y At high fan speed	kW	3.2	4.0	5.0	8.00
Power input - 50Hz	Cooling	At high fan speed	kW	0.0	066	0.076	0.105
	Heating	At high fan speed	kW	0.0	)46	0.056	0.085
Dimensions	Unit	HeightxWidthxDepth	mm		215x1,110x710		215x1,310x710
Weight	Unit		kg		31		34
Casing	Material				Galvanised	d steel plate	
Decoration panel	Model				BYK45FJW1		BYK71FJW1
	Colour				W	hite	
	Dimensions	s HeightxWidthxDepth	mm		70x1,240x800		70x1,440x800
	Weight		kg		8.5		9.5
Fan	Air flow rate - 50Hz	Cooling At high fan spee z At low fan speed		11	/9	13/10	18/15
Air filter	Type				Resin net with	mold resistance	
Sound power level	Cooling	At high fan speed/ At low fan speed	dBA	54.	/49	56/50	58/53
Sound pressure level	Cooling	At high fan speed/ At low fan speed	dBA	38.0	/33.0	40.0/34.0	42.0/37.0
Refrigerant	Type/GW	Р			R-410A	/2,087.5	
Piping connections	Liquid	OD	mm		6.35		9.52
	Gas	OD	mm		12.7		15.9
	Drain				VP25 (O.D.	. 32 / I.D. 25)	
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/60/2	220-240/220	
Current - 50Hz	Maximun	n fuse amps (MFA)	Α		•	15	
Control systems	Infrared r	emote control			BRC	AC61	
	Wired rer	note control		BRC	1H52W/S/K / BRC1E53A / B	RC1E53B / BRC1E53C / BRC	C1D52



The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

#### Benefits

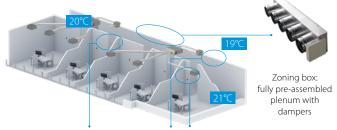
#### Increased comfort

- > Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

#### Easy to install

- > Automatic air flow adjustment according to the demand
- > Easy to install, integrates with the Daikin indoor units and system controls
- > Time saving as plenum comes fully pre-assembled with dampers, and control boards
- > Reduces the amount of refrigerant required in the installation

#### How does it work?



#### Individual zone thermostats

#### Bluezero - Airzone Main Thermostat

 Color graphic interface for controlling zones



AZCE6BLUEZEROCB (Wired)

Skylir

### Airzone Zone Thermostat > Graphic interface with

 Graphic interface with low-energy e-ink screen for controlling zones



AZCE6THINKRB (Wireless)

#### Airzone Zone Thermostat

 Thermostat with buttons for controlling the temperature



AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

ugu iv+

### Compatibility

Compatii	IJΙ	IILY							J	K,	<b>y</b> /-												-	7	疗		₹.	IJ	/					
•						FDXI	И-F9	Ţ		FE	BA-A	<b>A</b> (9)			Α	DEA	-A			FXI	DQ-	А3							FX	SQ-	Α			
Numb motorised dam		Reference	Dimensions H x W x D (mm)	Ø (mm)	25	35	50 6	0 3	5 50	60	71	100	125	140	71	100	125	15	20	25	32	40	50	63	15	20	25	32	40	50	63	80 1	00 1	25 140
	2	AZE(Z/R)6DAIST07XS2																							•	•	•	•						
	Ľ	AZE(Z/R)6DAIST07S2	300 x 930 x 454					•	•																				•	•				
	3	AZE(Z/R)6DAIST07XS3	300 X 930 X 434																						•	•	•	•						
		AZE(Z/R)6DAIST07S3							•																				•	•				
	4	AZE(Z/R)6DAIST07S4	300 x 1,140 x 454					•	•																				•	•				
6. 1 1 1	_	AZE(Z/R)6DAIST07M4	300 X 1,140 X 434							•	•				•																•	•		
Standard plenum	5	AZE(Z/R)6DAIST07M5	300 x 1,425 x 454	200						•	•				•																•	•		
		AZE(Z/R)6DAIST07L5	300 X 1,423 X 434	200								•	•	•		•	•																•	•
	6	AZE(Z/R)6DAIST07M6	300 x 1,638 x 454							•	•				•																•	•		
	L	AZE(Z/R)6DAIST07L6	300 X 1,030 X 434									•	•	•		•	•																•	•
	7	AZE(Z/R)6DAIST07L7										•	•	•		•	•																•	•
	Ľ	AZE(Z/R)6DAIST07XL7	515 x 1,425 x 454																															•
	8	AZE(Z/R)6DAIST07L8	313 X 1,423 X 434									•	•	•		•	•																•	•
		AZE(Z/R)6DAIST07XL8						$\perp$																										•
	2	AZEZ6DAIBS07XS2																							•	•	•	•						
	Ĺ	AZEZ6DAIBS07S2						•	•																				•	•				
		AZEZ6DAIBS07XS3	250 x 930 x 454																						•	•	•	•						
	3	AZEZ6DAIBS07S3							•																				•	•				
		AZEZ6DAIBS07M3								•	•				•																•	•		
		AZEZ6DAIBS07S4							•																				•	•				
Medium plenum	4	AZEZ6DAIBS07M4	250 x 1,140 x 454							•	•				•																•	•		
		AZEZ6DAIBS07L4		200								•	•	•		•	•																•	•
9999		AZEZ6DAIBS07S5							•																				•	•				
	5	AZEZ6DAIBS07M5	250 x 1,425 x 454							•	•				•																•	•		
	'	AZEZ6DAIBS07L5	230 X 1,423 X 434									•	•	•		•	•																•	•
		AZEZ6DAIBS07XL5																																•
		AZEZ6DAIBS07M6								•	•				•																•	•		
	6	AZEZ6DAIBS07L6	250 x 1,638 x 454									•	•	•		•	•																•	•
		AZEZ6DAIBS07XL6																																•
Slim plenum	2	AZE(Z/R)6DAISL01S2	210 x 720 x 444		•	•												•	•	•	•													
A Section 1	3	AZE(Z/R)6DAISL01S3	210 x /20 x 444	200	•	•												•	•	•	•													
	4	AZE(Z/R)6DAISL01M4	210 x 930 x 444	200				$\perp$														•	•											
	5	AZE(Z/R)6DAISL01L5	210 x 1,140 x 444				•	•																•										

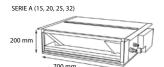
(1) Z models are reversible; R models are heating only

(2) Medium Ceiling Void reversible units can be blocked to heating only via AZX6MCS module

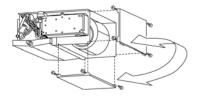
## Slim concealed ceiling unit

#### Slim design for flexible installation

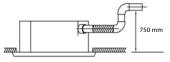
> Compact dimensions, can easily be mounted in a ceiling void of only 240mm



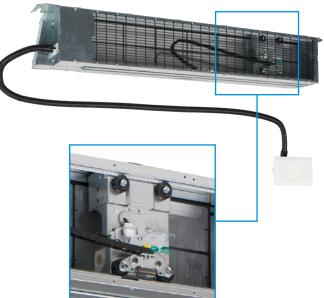
- Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Flexible installation, as the air suction direction can be altered from rear to bottom suction



> Standard drain pump with 600mm lift increases flexibility and installation speed







Auto cleaning filter option

More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				FXDQ	15A3	20A3	25A3	32A3	40A3	50A3	63A3
Cooling capacity	Nom.			kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Nom.			kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fa	an speed	kW		0.036		0.041	0.042	0.053	0.062
	Heating	At high fa	an speed	kW		0.036		0.041	0.042	0.053	0.062
Required ceiling vo	id >			mm				240			
Dimensions	Unit	HeightxV	VidthxDepth	mm		200x7	50x620		200x9	50x620	200x1,150x620
Weight	Unit			kg		2	22		2	!6	29
Casing	Material							Galvanised ste	el		
Fan	Air flow rate - 50Hz	Cooling	At high / mediu	m/m³/min	7.5/7.0/6.4		8.0/7.2/6.4		10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory s	et / High	Pa		10/	30.0			15/44.0	
Air filter	Type						Ren	novable / wash	able		
Sound power level	Cooling	At high fa	an speed	dBA	50		51		52	53	54
Sound pressure level	Cooling	At high / m	nedium / low fan spe	eed dBA	32.0/31.0/27.0		33.0/31.0/27.0		34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
Refrigerant	Type/GW	Р						R-410A/2,087.5	5		
Piping connections	Liquid	OD		mm			6.	.35			9.52
	Gas	OD		mm			12	2.7			15.9
	Drain						VP	20 (I.D. 20/O.D.	26)		
Power supply	Phase/Fre	equency/V	'oltage	Hz/V			1~/	50/60/220-240	/220		
Current - 50Hz	Maximun	n fuse amp	s (MFA)	Α				16			
Control systems	Infrared r	emote cor	ntrol				BF	RC4C65 / BRC40	266		
	Wired rer	note contr	ol				BF	RC1D528 / BRC1	E51		

# Concealed ceiling unit with medium ESP

# Slimmest yet most powerful medium static pressure unit on the market

> Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

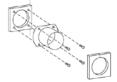


- > Quiet operation: down to 25dBA sound pressure level
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- > Optional fresh air intake

Fresh air intake opening in casing



\* Brings in up to 10% of fresh air into the room Optional fresh air intake kit

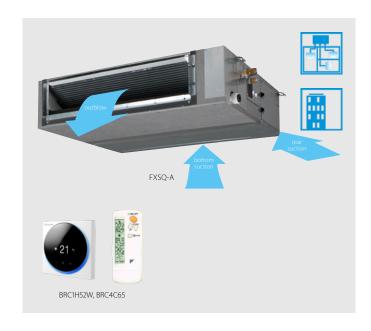


 Allow larger quantities of fresh air to be brought in

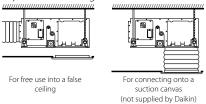
More details and final information can be found by scanning or clicking the QR codes.



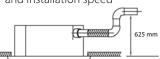
FXSQ-A



 > Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



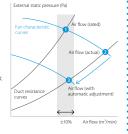
 Standard built-in drain pump with 625mm lift increases flexibility and installation speed



Automatic Airflow Adjustment function Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

#### Why

After installation the real ducting will frequently differ from the initially calculated air flow resistance \* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster

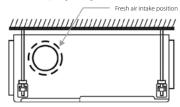


Indoor Unit				FXSQ	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	At high fa	n speed	kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	At high fa	an speed	kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.0	12.5	16.0	18.0
Power input - 50Hz	Cooling	At high fa	an speed	kW		0.041		0.045	0.087	0.089	0.101	0.135	0.173	0.237	0.247
	Heating	At high fa	n speed	kW		0.041		0.045	0.087	0.089	0.101	0.135	0.173	0.237	0.247
Dimensions	Unit	HeightxV	VidthxDepth	mm		245x5	50x800		245x70	008x00	245x1,0	008x00	245x1,4	00x800	245x1,550x800
Weight	Unit			kg		23.5		24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material								Galva	nised stee	el plate				
Fan	Air flow rate - 50Hz	Cooling	At high / medium / low fan speed	m³/min	8.7/7.50/6.5	9.0/7.	50/6.5	9.5/8.00/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
		Heating	At high / medium / low fan speed	m³/min	8.7/7.5/6.5	9.0/7	7.5/6.5	9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
	External static pressure - 50Hz	Factory s	et / High	Pa				30/150							150
Air filter	Туре									Resin net					
Sound power level	Cooling	At high fa	n speed	dBA		54		55	6	0	59	6	1	6	64
Sound pressure	Cooling	At high / m	nedium / low fan speed	dBA	29.5/28.0/25.0	30.0/2	8.0/25.0	26.0/29.0/26.0	35.0/32	2.0/29.0	33.0/30.0/27.0	35.0/32.0/29.0	36.0/34.0/31.0	39.0/36.0/33.0	41.5/38.0/34.0
level	Heating	At high / m	edium / low fan speed	dBA	31.5/29.0/26.0	32.0/29	9.0/26.0	33.0/30.0/27.0	37.0/34	.0/29.0	35.0/32.0/28.0	37.0/34.0/30.0	37.0/34.0/31.0	40.0/37.0/33.0	42.0/38.5/34.0
Refrigerant	Type/GWI	)							R-	410A/2,08	37.5				
Piping connections	Liquid	OD		mm			6	.35					9.52		
	Gas	OD		mm			1	2.7					15.9		
	Drain							VP20 (I	.D. 20/O.D	). 26), drai	n height 6	525 mm			
Power supply	Phase/Fre	quency/V	oltage	Hz/V					1~/50/	60/220-24	40/220				
Current - 50Hz	Maximum	n fuse amp	s (MFA)	Α						16					
Control systems	Infrared re	emote con	itrol							BRC4C65					
	Wired ren	note contr	ol					BRC1E5	3A / BRC1	E53B / BR	C1E53C / E	RC1D52			

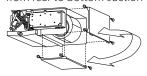
# Concealed ceiling unit with high ESP

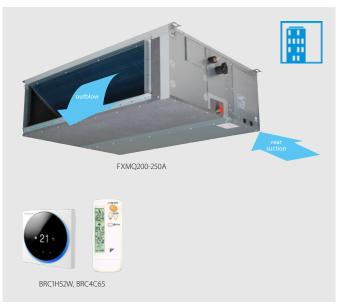
#### Ideal for large sized spaces: ESP up to 250 Pa

- > High external static pressure up to 250Pa facilitates extensive duct and grille network
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required (50-125 class)

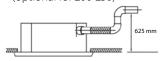


- > Flexible installation, as the air suction direction can be altered from rear to bottom suction





> Standard built-in drain pump with 625mm lift increases flexibility and installation speed (optional for 200-250)

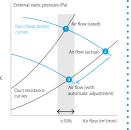


> Large capacity unit: up to 31.5 kW heating capacity

# Automatic Airflow Adjustment function Automatically selects the most appropriate fan curve to

achieve the units' nominal air flow within ±10%

After installation the real ducting will frequently differ from the initially calculated air flow resistance \* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation



More details and final information can be found by scanning or clicking the QR codes.





Indoor Unit			FXMQ	50P7	63P7	80P7	100P7	125P7	200A	250A
Cooling capacity	Total capacity	At high fan speed	kW			-			22.4	28.0
	Nom.		kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Heating capacity	Total capacity	At high fan speed	kW			-			25.0	31.5
	Nom.		kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Power input - 50Hz	Cooling	At high fan speed	kW	0.110	0.120	0.171	0.176	0.241	0.54	0.65
	Heating	At high fan speed	kW	0.098	0.108	0.159	0.164	0.229	0.54	0.65
Required ceiling voi	id >		mm			350				•
Dimensions	Unit	HeightxWidthxDepth	mm		300x1,000x700		300x1,4	00x700	470x1,49	90x1,100
Weight	Unit		kg		35		4	6	105	115
	Air flow	Cooling At high/medium/low far	speed m³/min	18.0/16.5/15.0	19.5/17.8/16.0	25.0/22.5/20.0	32.0/27.5/23.0	39.0/33.5/28.0	62/48/41	74/64/52
	rate - 50Hz	Heating At high/medium/low far	speed m³/min	18.0/16.5/15.0	19.5/17.8/16.0	25.0/22.5/20.0	32.0/27.5/23.0	39.0/33.5/28.0	62/48/41	74/64/52
	External static pressure - 50Hz	Factory set / High	Pa			100/200			150/	250
Air filter	Туре					Resin net				-
Sound power level	Cooling	At high/medium/low fan sp	oeed dBA	61.0/-/-	64.0/-/-	67.0/-/-	65.0/-/-	70.0/-/-	75/74/72	76/75/73
	Heating	At high/medium/low fan sp	peed			-			75/74/72	76/75/73
Sound pressure	Cooling	At high/medium/low fan sp	oeed dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41	.0/39.0	44.0/42.0/40.0	48/46	5.5/45
level	Heating	At high/medium/low fan sp	peed dBA	41.0/39.0/37.0	42.0/40.0/38.0	43.0/41	1.0/39.0	44.0/42.0/40.0	48/46	5.5/45
Refrigerant	Type/GWF	)				R-410A/-			R-410A	/2,087.5
Piping connections	Liquid	OD	mm	6.35			9.	52		
	Gas	OD	mm	12.7		15	i.9		19.1	22.2
	Drain				VP	25 (I.D. 25/O.D.	32)		BS	P1
Power supply	Phase/Fre	quency/Voltage	Hz/V		1~/50/6	50/220-240/220	+/-10%		1~/50/2	20-240
Current - 50Hz	Maximum	fuse amps (MFA)	Α				6			
Control systems	Infrared re	emote control					BRC4C65			
	Wired ren	note control			BRC1	H52W/S/K/BRC1	E53A/BRC1E53I	B/BRC1E53C/BRC	C1D52	



# Wall mounted unit

#### For rooms with no false ceilings nor free floor space

- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- > Maintenance operations can be performed easily from the front of the unit



More details and final information can be found by scanning or clicking the QR codes.



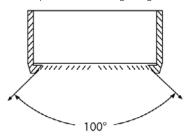
Indoor Unit				FXAQ	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fa	an speed	kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fa	an speed	kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fa	an speed	kW	0.	02	0.	03	0.02	0.03	0.05
	Heating	At high fa	an speed	kW		0.03		0.04	0.02	0.04	0.06
Dimensions	Unit	HeightxW	VidthxDepth	mm		290x7	95x266			290x1,050x269	
Weight	Unit			kg		1	12			15	
Fan	Air flow rate - 50Hz	Cooling	At high fan sp At low fan sp	peed/ m³/min eed	8.4/7.0	9.1/7.0	9.4/7.0	9.8/7.0	12.2/9.7	14.4/11.5	18.3/13.5
Air filter	Type						W	ashable resin r	net		
Sound power level	Cooling	At high fa	an speed	dBA	51.0	52.0	53.0	55	5.0	58.0	63.0
Sound pressure level	Cooling	At high fa At low far		dBA	32.0/28.5	33.0/28.5	35.0/28.5	37.5/28.5	37.0/33.5	41.0/35.5	46.5/38.5
	Heating	At high fa At low far		dBA	33.0/28.5	34.0/28.5	36.0/28.5	38.5/28.5	38.0/33.5	42.0/35.5	47.0/38.5
Refrigerant	Type/GWI	Р						R-410A/2,087.5			
Piping connections	Liquid	OD		mm			6.	.35			9.52
	Gas	OD		mm			12	2.7			15.9
	Drain						VI	P13 (I.D. 15/O.D.	18)		
Power supply	Phase/Fre	quency/V	oltage	Hz/V				1~/50/220-240			
Current - 50Hz	Maximum	fuse amp	s (MFA)	Α				16			
Control systems	Infrared r	emote con	itrol				BRC	7EA628 / BRC7E	A629		
	Wired ren	note contr	ol			BRC1H5	52W/S/K / BRC1E	53A / BRC1E53I	B / BRC1E53C / E	BRC1D52	

Contains fluorinated greenhouse gases

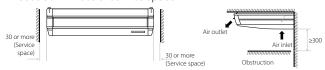
## Ceiling suspended unit

#### For wide rooms with no false ceilings nor free floor space

> Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



- > Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- > Two optional intelligent sensors improve energy efficiency and
- > Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



 Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required Fresh air intake opening in casing



- \* Brings in up to 10% of fresh air into the room
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit			FXHQ	32A	63A	100A
Cooling capacity	Total capacity	At high fan speed	kW	3.6	7.1	11.2
Heating capacity	Total capacity	At high fan speed	kW	4.0	8.0	12.5
Power input - 50Hz	Cooling	At high fan speed	kW	0.107	0.111	0.237
	Heating	At high fan speed	kW	0.107	0.111	0.237
Dimensions	Unit	HeightxWidthxDepth	mm	235x960x690	235x1,270x690	235x1,590x690
Weight	Unit		kg	27	35	42
Casing	Material				Resin, sheet metal	
Fan	Air flow rate - 50Hz	Cooling At high / medium / low fan speed	m³/min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
		Heating At high / medium / low fan speed	m³/min	14.0/12.0/10.0	20.0/17.0/14.0	29.5/24.0/19.0
Air filter	Type				Resin net	
Sound power level	Cooling	At high / medium / low fan speed	dBA	54.0/52.0/49.0	55.0/53.0/52.0	62.0/55.0/52.0
Sound pressure	Cooling	At high / medium / low fan speed	dBA	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
level	Heating	At high / medium / low fan speed	dBA	36.0/34.0/31.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GWI	>			R-410A/2,087.5	
Piping connections	Liquid	OD	mm	6.35	9.	52
	Gas	OD	mm	12.7	15	.9
	Drain				VP20	
Power supply	Phase/Fre	equency/Voltage	Hz/V		1~/50/60/220-240/220	
Current - 50Hz	Maximum	n fuse amps (MFA)	Α		16	
Control systems	Infrared re	emote control			BRC7GA53-9 / BRC7GA56	
	Wired ren	note control		BRC1H52W/S	/K / BRC1E53A / BRC1E53B / BRC1E53	BC / BRC1D52

Contains fluorinated greenhouse gases

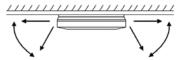
# 4-way blow ceiling suspended unit

# Unique Daikin unit for high rooms with no false ceilings nor free floor space

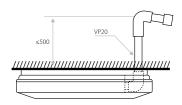
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!



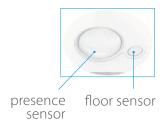
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- > Optimum comfort guaranteed with automatic air flow adjustment to the required load
- > 5 different discharge angles between 0 and 60°can be programmed via the remote control



> Standard drain pump with 720mm lift increases flexibility and installation speed







More details and final information can be found by scanning or clicking the QR codes.



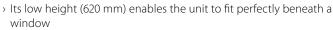
Indoor Unit			FXUQ	71A	100A
Cooling capacity	Total capacity	At high fan speed	kW	8.0	11.2
Heating capacity	Total capacity	At high fan speed	kW	9.0	12.5
Power input - 50Hz	Cooling	At high fan speed	kW	0.090	0.200
	Heating	At high fan speed	kW	0.073	0.179
Dimensions	Unit	HeightxWidthxDepth	mm	198x95	50x950
Weight	Unit		kg	26	27
Casing	Material			Re	sin
Fan	Air flow rate - 50Hz	Cooling At high / medium low fan speed	/ m³/min	22.5/19.5/16.0	31.0/26.0/21.0
		Heating At high / medium low fan speed	/ m³/min	22.5/19.5/16.0	31.0/26.0/21.0
Air filter	Type			Resin net with r	mold resistance
Sound power level	Cooling	At high / medium / low fan spee	d dBA	58/56/54	65/62/58
Sound pressure	Cooling	At high / medium / low fan spee	d dBA	40.0/38.0/36.0	47.0/44.0/40.0
level	Heating	At high / medium / low fan spee	d dBA	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GW	P		R-410A	/2,087.5
Piping connections	Liquid	OD	mm	9.	52
	Gas	OD	mm	15	.9
	Drain			I.D. 20/	O.D. 26
Power supply	Phase/Fre	equency/Voltage	Hz/V	1~/50/60/220	-240/220-230
Current - 50Hz	Maximun	n fuse amps (MFA)	Α	1	6
Control systems	Infrared r	emote control		BRC7CB58	BRC7CB59
	Wired ren	note control		BRC1H52W/S/K / BRC1E53A / B	RC1E53B / BRC1E53C / BRC1D52

# **Concealed floor standing unit**

#### Designed to be concealed in walls

- > Discretely concealed in the wall: only the suction and discharge grilles are visible
- > Requires very little installation space as the depth is only 200mm









More details and final information can be found by scanning or clicking the QR codes.



FXNQ-A

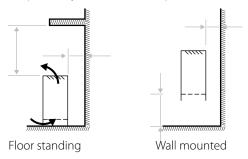
Indoor Unit				FXNQ	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fa	an speed	kW	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	At high fa	an speed	kW	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	At high fa	an speed	kW		0.071		0.078	0.099	0.110
	Heating	At high fa	an speed	kW		0.068		0.075	0.096	0.107
Dimensions	Unit	HeightxV	VidthxDepth	mm		620/720x790x200		620/720x	(990x200	620/720x1,190x20
Weight	Unit			kg		23.5		27	7.5	32.0
Casing	Material						Galvanise	d steel plate		
Fan	Air flow rate - 50Hz	Cooling	At high / medium low fan speed	/ m³/min		8.0/7.20/6.4		10.5/9.50/8.5	12.5/11.0/10.0	16.5/14.5/13.0
		Heating	At high / medium low fan speed	/ m³/min		8.0/7.2/6.4		10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory s	et / High	Pa	10	0/41.0	10/42.0	15/52.0	15/59.0	15/55.0
Air filter	Туре						Res	in net		
Sound power level	Cooling	At high fa	an speed	dBA		51		52	53	54
Sound pressure	Cooling	At high / m	nedium / low fan spee	d dBA		30.0/28.5/27.0		32.0/30.0/28.0	33.0/31.0/29.0	35.0/33.0/32.0
level	Heating	At high / m	nedium / low fan spee	d dBA		30.0/28.5/27.0		32.0/30.0/28.0	33.0/31.0/29.0	35.0/33.0/32.0
Refrigerant	Type/GWF						R-410	\/2,087.5		
Piping connections	Liquid	OD		mm			6.35			9.52
	Gas	OD		mm			12.7			15.9
	Drain						VP20 (I.D.	20/O.D. 26)		
Power supply	Phase/Fre	quency/V	oltage	Hz/V			1~/50/60/	220-240/220		
Current - 50Hz	Maximum	fuse amp	s (MFA)	Α				16		
Control systems	Infrared re	emote cor	ntrol				BRO	C4C65		
	Wired rem	note contr	ol			BRC1H52W/S	/K / BRC1E53A / I	3RC1E53B / BRC1E5	3C / BRC1D52	

Contains fluorinated greenhouse gases

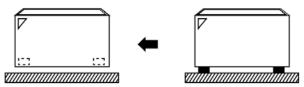
# Floor standing unit

#### For perimeter zone air conditioning

- > Unit can be installed as free standing model by use of optional back plate
- > Its low height enables the unit to fit perfectly beneath a window
- > Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7012) blends easily with any interior
- > Requires very little installation space



> Wall mounted installation facilitates cleaning beneath the unit where dust tends to accumulate



> Wired remote control can easily be integrated in the unit



More details and final information can be found by scanning or clicking the QR codes.



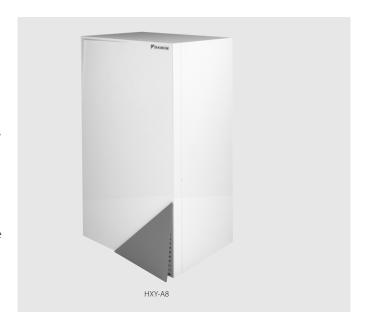
FXLQ-P

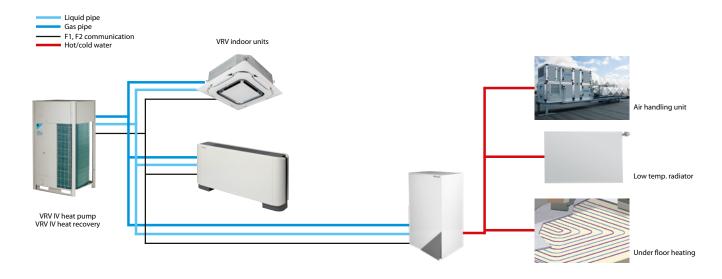
Indoor Unit			FXLQ	20P	25P	32P	40P	50P	63P
J , ,	Total capacity	At high fan speed	kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed	kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed	kW	0.	05	0.	09	0	.11
	Heating	At high fan speed	kW	0.	05	0.	09	0	.11
Dimensions	Unit	HeightxWidthxDepth	mm	600x1,0	000x232	600x1,1	40x232	600x1,4	120x232
Weight	Unit		kg	2	27	3	32	3	8
	Air flow rate - 50Hz	Cooling At high fan spe Z At low fan spe	eed/ m³/min ed	7/	6.0	8/6.0	11/8.5	14/11.0	16/12.0
Air filter	Туре					Resi	n net		
Sound power level	Cooling	At high fan speed	dBA		54		57	58	59
Sound pressure level	Cooling	At high fan speed/ At low fan speed	dBA		35/32		38/33	39/34	40/35
	Heating	At high fan speed/ At low fan speed	dBA		35/32		38/33	39/34	40/35
Refrigerant	Type/GW	Р				R-410A	/2,087.5		
Piping connections	Liquid	OD	mm			6.	35		
	Gas	OD	mm			12.7			15.9
	Drain					O.D. 21 (Vin	yl chloride)		
Power supply	Phase/Fre	equency/Voltage	Hz/V			1~/50/60/2	20-240/220		
Current - 50Hz	Maximun	n fuse amps (MFA)	Α			1	5		
Control systems	Infrared r	emote control				BRC	4C65		
	Wired rer	note control			BRC1H52W/	S/K / BRC1E53A / B	RC1E53B / BRC1E5	3C / BRC1D52	

# Low temperature hydrobox for VRV

#### For high efficiency space heating and cooling

- > Air to water connection to VRV for applications such as underfloor, air handling units, low temperature radiators, ...
- > Leaving water temperature range from 5°C to 45°C without electric heater
- > Super wide operating range for hot/cold water production from -20 to +43°C ambient outdoor temperature
- > Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- > Space saving contemporary wall mounted design
- > No gas connection or oil tank needed
- > Connectable to VRV IV heat pump and heat recovery





More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit			HXY	080A8	125A8			
Cooling capacity	Nom.		kW	8.0 (1)	12.5 (1)			
Heating capacity	Nom.		kW	9.00 (2)	14.00 (2)			
Casing	Colour			Wh	ite			
	Material			Precoated s	heet metal			
Dimensions	Unit	HeightxWidthxDepth	mm	890x48	30x344			
Weight	Unit		kg	44	1.0			
Operation range	Heating	Ambient Min.~Max.	°C	-20	~24			
	_	Water side Min.~Max.	°C	25 ~45				
	Cooling	Ambient Min.~Max.	°CDB	10 ~43				
		Water side Min.~Max.	°C	5 ~	20			
Refrigerant	Type			R-4	10A			
	GWP			2,0	37.5			
Sound pressure leve	l Nom.		dBA	3	1			
Refrigerant circuit	Gas side	diameter	mm	15	.9			
	Liquid sic	de diameter	mm	9	5			
Water circuit	Piping co	nnections diameter	inch	G 1"1/4 (female)				
Power supply	Phase / F	requency / Voltage	Hz/V	1~/50/	1~/50/220-240			
Current	Recomm	ended fuses	Α	6~16				

(1)Tamb 35°C - LWE 18°C (DT=5°C) | (2) DB/WB 7°C/6°C - LWC 35°C (DT=5°C) | Contains fluorinated greenhouse gases

# High temperature hydrobox for VRV

#### For efficient hot water production and space heating

- Air to water connection to VRV for applications such as bathrooms, sinks, underfloor heating, radiators and air handling units
- > Leaving water temperature range from 25 to 80°C without electric heater
- "Free" heating and hot water production provided by transferring heat from areas requiring cooling to areas requiring heating or hot water
- > Uses heat pump technology to produce hot water efficiently, providing up to 17% savings compared to a gas boiler
- > Possibility to connect thermal solar collectors to the domestic hot water tank
- Super wide operating range for hot water production from -20 to +43°C ambient outdoor temperature
- Saves time on system design as all water-side components are fully integrated with direct control over leaving water temperature
- > Various control possibilities with weather dependant set point or thermostat control
- > The indoor unit and domestic hot water tank can be stacked to save space, or installed next to each other, if only limited height is available
- > No gas connection or oil tank needed
- > Connectable to VRV IV heat recovery





More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit		HXHD	125A8	200A8	
Heating capacity	Nom.	kW	14.0	22.4	
Casing	Colour		Metall	ic grey	
	Material		Precoated s	sheet metal	
Dimensions	Unit HeightxWidthxDepth	mm	705x60	00x695	
Weight	Unit	kg	92.0	147	
Operation range	Heating Ambient Min.~Max.	°C	-20.0~2	20(3)/20	
	Water side Min.~Max.	°C	25~	80.0	
	Domestic Ambient Min.~Max.	°CDB	-20.0~43.0		
	hot water Water side Min.~Max.		45~75		
Refrigerant	Type / GWP		R-134a/1,430		
· ·	Charge	kg	2.00	2.60	
Sound power level	Nom.	dBA	55.0(1)	60.0(1)	
Sound pressure	Nom.	dBA	42.0(1)/43.0(2)	46.0(1)/46.0(2)	
level	Night quiet Level 1 mode	dBA	38(1)	45(1)	
Water circuit	Piping connections diameter inch		G 1" (fe	emale)	
	Heating Water volume Max. ~ Min. water system	ı	200~20	400~20	
Power supply	Phase / Frequency / Voltage	Hz/V	1~ / 50 / 220-240	3~ / 50 / 380-415	
Current	Recommended fuses	Α	20	16	

# Daikin Altherma ST Thermal store

#### Plastic domestic hot water tank with solar support

- > Fresh water principle: receive domestic hot water on demand while eliminating the risk of contamination and sedimentation
- Optimal domestic hot water performance: the low temperature evolution enables high tapping performance
- > Fit for the future: possibility to integrate with renewable solar energy and other heat sources, e.g. fireplace
- > Lightweight and robust build of the unit combined with the cascade principle offers flexible installation options
- > Available in 300 and 500 liters



More details and final information can be found by scanning or clicking the QR codes.



EKH\M/D\_R



EKHWP-PB

Accessory			EKHWP	300B	500B	300PB	500PB	54419B		
Casing	Colour	Colour			Traffic white (RAL9016) / Dark grey (RAL7011)					
	Material			Impact resistant polypropylene						
Dimensions	Unit	Width	mm	595	790	595	79	90		
		Depth	mm	615	790	615	79	90		
		Height	mm	1,646	1,658	1,646	1,6	58		
Weight	Unit	Empty	kg	53	76	56	82	71		
Tank	Water volu	ne	L	294	477	294	4	77		
	Material					Polypropylene				
	Maximum v	vater temperature	°C			85				
	Insulation	Heat loss	kWh/24h	1.50	1.70	1.50	1.3	70		
	Energy efficiency class					В				
	Standing heat loss		W	64	72	64	72			
	Storage volume		L	290	393	290	393			
Heat exchanger	Domestic hot water	Quantity				1				
icut excilariger		Tube material			St	ainless steel (DIN 1.440-	4)			
		Face area	m²	5.60	5.80	5.60	5.90	5.80		
		Internal coil volume	L	27.80	28.90	27.80	29	28.90		
		Operating pressure	bar			10				
	Charging	Quantity		1						
		Tube material			St	ainless steel (DIN 1.440-	4)			
		Face area	m²	2.66	3.70	2.66	3.70	1.95		
		Internal coil volume	L	12.90	18.10	12.90	18.10	10		
		Operating pressure	bar		6			3		
	Auxiliary	Tube material		-	Stainless steel (DIN 1.4404)	-		ss steel .4404)		
	heating	Face area	m²	-	0.76	-	0.	76		
		Internal coil volume	L	-	3.90	-	3.	90		
		Operating pressure	bar	-	3	-		3		

### Solar collector

#### Thermal solar collector for hot water production

- > Solar collectors can produce up to 70% of the energy needed for hot water production - a major cost saving
- > Horizontal solar collector for domestic hot water production
- > Vertical solar collector for domestic hot water production
- > High efficiency collectors transfer all the short-wave solar radiation into heat as a result of their highly selective coating
- > Easy to install on roof tiles
- > Can be used for drain-back and pressurised applications

More details and final information can be found by scanning or clicking the QR codes.







|--|

Accessory			EKSV21P	EKSV26P	EKSH26P
Mounting			Vert	ical	Horizontal
Dimensions	Unit HeightxWidthxDepth	mm	2,000x1,006x85	2,000x1,300x85	1,300x2,000x85
Weight	Unit	kg	33	4	2
Volume		L	1.30	1.70	2.10
Surface	Outer	m <sup>2</sup>	2.01	2.	60
	Aperture	m <sup>2</sup>	1,800	2,3	60
	Absorber	m²	1.80	2	36
Coating			Micro-therm	(absorption max. 96%, Emission c	a. 5% +/-2%)
Absorber			Harp-shaped copper pipe reg	ister with laser-welded highly sele	ctive coated aluminium plate
Glazing			Single	pane safety glass, transmission +	/- 92%
Allowed roof and	gle Min. ~ Max.	٥		15 ~ 80	
Operating pressu	ure Max.	bar		6	
Stand still temperature	Max.	°C		192	
Thermal	Collector efficiency (ηcol)	%		53	
performance	Zero loss collector efficiency η0	%		0.71	
	Heat loss coefficient a1	W/m².K		4,300	
	Temperature dependence of the heat loss coefficient a2	W/ m².K²		0.006	
	Thermal capacity	kJ/K	4.90	6.	50

#### EKSRPS4A/EKSRDS2A

### **Pump station**

- > Save energy and reduce CO<sub>2</sub> emissions with a solar system for domestic hot water production
- > Pump station connectable to drain-back solar system
- > Pump station and control provide the transfer of solar heat to the domestic hot water tank

More details and final information can be found by scanning or clicking the QR codes.

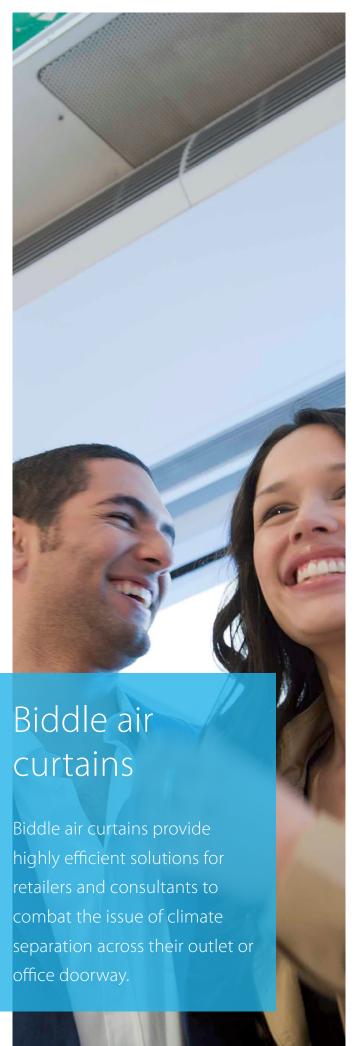








Accessory			EKSRPS4A	EKSRDS2A	
Mounting			On side of tank	On wall	
Dimensions	Unit HeightxWidth	xDepth mm	815x142x230	410x314x154	
Weight	Unit	kg	6.40	6	
Operation range	Ambient temperature Min. ~ Ma	x. °C	5 ~ 40	- ~ 40	
Operating pressur	e Max.	bar	-	6	
Stand still temperatur	e Max.	°C	85	120	
Control	Туре		Digital temperature difference controller with plain text display		
	Power consumption	W	2	5	
Sensor	Solar panel temperature sensor		Pt1000		
	Storage tank sensor		PTC	-	
	Return flow sensor		PTC	-	
	Feed temperature and flow sens	or	Voltage signal (3.5V DC)	-	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230	-/50/230	
Power supply inta	ke		Indoo	r unit	
Auxiliary	Solpump	W	37.3	23	
	Annual auxiliary electricity consumpti	on Qaux kWh	92.1	89	
	Solstandby	W	2.00	5.00	

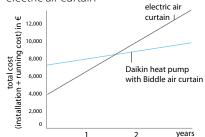


### Benefits of Biddle air curtains

- > Connectable to ERQ and VRV units
- > Unified range for R-32 and R-410A refrigerant
- Patented rectifier technology achieves an air separation level of up to 85%, significantly reducing heat losses



 payback period of less then 1.5 years compared to installing an electric air curtain



#### 3 different models to choose from:



Free-hanging model (F): easy wall mounted installation



Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible

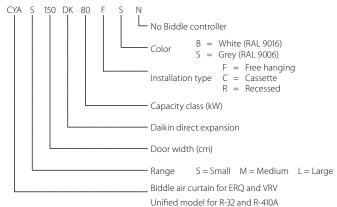


Recessed model (R): neatly concealed in the ceiling

#### Select your Biddle air curtain range



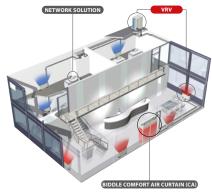
#### Biddle air curtain nomenclature



#### Biddle air curtain

- > Connectable to ERQ and VRV DX outdoor units
- > Unified model for R-32 and R-410A refrigerant
- > Free-hanging model (F): easy wall mounted installation
- > Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- > Recessed model (R): neatly concealed in the ceiling
- > A payback period of less then 1.5 years compared to installing an electric
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode (in case of VRV heat recovery)
- > Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- > PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- > Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity





More details and final information can be found by scanning or clicking the QR codes.



Medium

	BIDDLE COMFOR	T AIR CURTAIN (CA)		CYAS100DK80 *BC/*SC	CYAS150DK80 *BC/*SC	CYAS200DK100 *BC/*SC	CYAS250DK140 *BC/*SC	CYAM100DK80 *BC/*SC	CYAM150DK80 *BC/*SC	CYAM200DK100 *BC/*SC	CYAM250DK140 *BC/*SC
Heating capacity	Speed 3		kW	7.40	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.23	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	19	1	5	16	17	14	13	15
Casing	Colour					I	BN: RAL9010 /	SN: RAL9006	5		
Dimensions	Unit	Height F/C/R	mm				270/27	70/270			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561							
Required ceiling vo	id >		mm				42	20			
Door height	Max.		m	2.3(1)/2.15(2)/2.0(3)	2.3(1)/2.15(2)/2.0(3)	2.3(1)/2.15(2)/2.0(3)	2.3(1)/2.15(2)/2.0(3)	2.5(1)/2.4(2)/2.3(3)	2.5(1)/2.4(2)/2.3(3)	2.5(1)/2.4(2)/2.3(3)	2.5(1)/2.4(2)/2.3(3)
Door width	Max.		m	1.0	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	56	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m³/h	1,164	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	47	49	50	51	50	51	53	54
Refrigerant	R-32 / 675 R-410A / 2,087.5										
Piping connections Liquid/OD/Gas/OD mm 9.52/15.9 9.52/15.9 9.52/15.9						9.52/19.1					
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)							
Power supply	Voltage		V				23	30			

Small

					La	rge			
				CYAL100DK125*BC/*SC	CYAL150DK200*BC/*SC	CYAL200DK250*BC/*SC	CYAL250DK250*BC/*SC		
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1		
Power input	Fan only	Nom.	kW	0.75	0.75 1.13		1.88		
	Heating	Nom.	kW	0.75	1.13	1.50	1.88		
Delta T	Speed 3		K	1:	5	14	12		
Casing	Colour				BN: RAL9010	/ SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm		370/3	70/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548		
		Depth F/C/R	mm	774/1,105/745					
Required ceiling vo	id >		mm	520					
Door height	Max.		m	3.0(1)/2.75(2)/2.5(3)	3.0(1)/2.75(2)/2.5(3)	3.0(1)/2.75(2)/2.5(3)	3.0(1)/2.75(2)/2.5(3)		
Door width	Max.		m	1.0	1.5	2.0	2.5		
Weight	Unit		kg	76	100	126	157		
Fan-Air flow rate	Heating	Speed 3	m³/h	3,100	4,650	6,200	7,750		
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57		
Refrigerant	Type / GWP			R-32 / 675 R-410A / 2,087.5					
Piping connections Liquid/OD/Gas/OD mm 9.52/15.9					9.52/19.1	9.52	/22.2		
Required accessorie	es (should be or	dered separately)		Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)					
Power supply	Voltage V 230								

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only (3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway



**R-3**2

**R-3**2

		VRV 5 hea	t recovery	VRV 5 he	eat pump
		REYA8-20 REMA5	2 module systems	RXYA 8~20 RYMA5	2-module systems
	Multi-module connection kit (obligatory) - Connects multiple modules into a single refrigerant system		2 modules: BHFQ23P907A		2 modules: BHFA22P1007
Kits	Extended level difference kit - Allows outdoor unit to be more than 50m above indoor units		Special o	order unit	'
ž	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.				
	<b>Bottom plate heater</b> - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)	5/8-12: EKBPH012TA 14-20: EKBPH020TA	1 kit per system	5/8-12: EKBPH012TA 14-20: EKBPH020TA	1 kit per system
sıs	External control adapter for outdoor unit - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the F1/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.		DTA104/ into an indoor unit: exact a nd PCB mouting plate is rec		
Adapters	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.			• (3)	
	Cool/heat selector PCB (required to connect KRC19-26)			EKBRP2A81	
	EKCHSC - Cool/heat selector cable				
	EKPCCAB4 VRV configurator				
5	DTA109A51 DIII-net expander adapter	• (2) (4)		• (2) (4)	
Others	BPMKS967A2/A3 Branch provider (for connection of 2/3 RA indoor units)				
	EKDK04 Drain plug kit				
	EKLN140A Sound enclosure				

			VRVIV	S-series	
		RXYSCQ-TV1	RXYSQ4-6TV9	RXYSQ4-6TY9	RXYSQ8-12TY1
	Multi-module connection kit (obligatory) - Connects multiple modules into a single refrigerant system				
	<b>Extended level difference kit</b> - Allows outdoor unit to be more than 50m above indoor units				
Kits	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.				
	<b>Bottom plate heater</b> - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)				
Sis	External control adapter for outdoor unit - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts. Connects to the FI/F2 communication line and requires power supply from an indoor unit, BSVQ box, or VRV-WIII outdoor unit.		DTA104A53/61/62 indoor unit: exact adapter t indoor unit. itions & Accessories of indo		
Adapters	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.		• (3)	• (3)	
	Cool/heat selector PCB (Required to connect KRC19-26)		EBRP2B		
	EKCHSC Cool/heat selector cable (Required to connect KRC19-26)			•	
	EKPCCAB4 VRV configurator	•	•	•	•
Others	DTA109A51 DIII-net expander adapter				
Ū	BPMKS967A2/A3 Branch provider (for connection of 2/3 RA indoor units)	•	•	•	•
	EKDK04 Drain plug kit		•	•	

- (1) For installations with special requirements towards fire regulations, the insulation material can be replaced using kits EKHBFQ1 and EKHBFQ2. The kits contain insulation material that complies with EN13501-1:B-S3,dO and BS476-7 (class 1)
  (2) Requires mounting plate EKSB26B2\* for 14~20HP
  (3) Requires installation box KJB111A
  (4) Only possible to install 1 adapter PCB



R-	<b>32</b>							
VRV S	-series	VRV IV+ he	eat recovery	VRV IV+ I	heat pump	VRV IV C+series		
RXYSA4-6AV1/AY1	RXYSA8-12AAY1	REYQ8-20 REMQ5	2/3 module systems	RYYQ8-20 RYMQ8-20 RXYQ8-20	2/3 module systems	RXYLQ RXMLQ	2/3 module systems	
			2 modules: BHFQ23P907A 3 modules: BHFQ23P1357		2 modules: BHFQ22P1007 3 modules: BHFQ22P1517		2 modules: BHFQ22P1007 3 modules: BHFQ22P1517	
EKBPH250D		5/8-12: EKBPH012T7A 14-20: EKBPH020T7A		8-12: EKBPH012T7A 14-20: EKBPH020T7A				
For installation into an indo depends on typ	A53/61/62 oor unit: exact adapter type be of indoor unit. sories of indoor units		For installation For 14-20 HP the dema	into an indoor unit: exact a	A53/61/62 dapter type depends on type q quired (2). See Options & Acces	of indoor unit. sories of indoor units		
• (3)	Standard on unit			• (3)	1 kit per system (3)	• (3)	1 kit per system (3)	
Standard on unit	Standard on unit			BRP2A81	1 kit per system	BRP2A81	1 kit per system	
•				•		•		
				•		•		
•								
	1		VRV IV	i-series				
200	wo.			KXYQ	we		NAMA O	
KDX	(YQ5	KD)	(YQ8	KK.	KYQ5	<b>r</b>	RKXYQ8	
EKDP	HIRDX	EKDP	HIRDX					
	Fo		DTA104A53/61/62 r unit: exact adapter type de ptions & Accessories of indo		ınit.			
				•	(3)		• (3)	
						ŗ	BRP2A81	
					•		711 2701	
					•		•	

		VRV III-Q Heat Pump Replacement VRV	VRV IV-Q Heat Pum	np Replacement VRV
		RQYQ 140P	RXYQQ8-20	2/3-module systems
	Multi-module connection kit (obligatory) Connects multiple modules into a single refrigerant system			2 modules: BHFQ22P1007 3 modules: BHFQ22P1517
Kits	Central drain pan kit - Installs onto the underside of the outdoor unit and collects drain water from all bottom plate outlets into a single outlet. In cold areas should be heated by a field-supplied heater to prevent drain water from freezing in the drain pan.	KWC26B160		
	<b>Bottom plate heater</b> - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)		8-12: EKBPH012T7A 14-20: EKBPH020T7A	
ys.	External control adapter for outdoor unit - Allows to activate Low Noise Operation and three levels of demand control, limiting power consumption via external dry contacts.  Connects to the F1/F2 communication line and requires power supply from an indoor unit*, BSVQ box, or VRV-WIII outdoor unit.		DTA104A53/61/62 ndoor unit: exact adapter type depen nouting plate is required (2). See Optic	
Adapters	KRC19-26 Mechanical cool/heat selector – allows to switch an entire Heat Pump system, or one BS-box of a Heat Recovery system between cooling, heating and fan only. Connects to the A-B-C terminals of the outdoor unit / BS-box.	• (3)	• (3)	1 kit per system
	BRP2A81 Cool/heat selector PCB (required to connect KRC19-26 to VRV IV outdoor)		•	1 kit per system
Others	EKPCCAB4 VRV configurator		•	
oth	DTA109A51 DIII-net expander adapter			

<sup>(1)</sup> For installations with special requirements towards fire regulations, the insulation material can be replaced using kits EKHBFQ1 and EKHBFQ2. The kits contain insulation material that complies with EN13501-1:B-S3,dO and BS476-7 (class 1)
(2) Requires mounting plate EKSB26B2\* for 14~20HP
(3) Requires installation box KJB111A
(4) Only possible to install 1 adapter PCB

#### Refnets & branch selector boxes

	Refnet Joints				
	Capacity index	Capacity index	Capacity index	Capacity inde	
	< 200	200 ≤ x < 290	290 ≤ x < 640	> 640	
Imperial-size connections for heat recovery pump (2-pipe)	For all R-410A VRV: KHRQ22M20T For all R-410A+R-32 VRV: KHRQ22M20TA	KHRQ22M29T9	For all R-410A VRV: KHRQ22M64T For all R-32 VRV: KHRA22M65T	KHRQ22M75T	
Imperial-size connections for heat recovery pump (2-pipe) (1)	KHRQ23M20T	KHRQ23M29T	KHRQ23M64T	KHRQ23M75T	
Closed pipe kit					
Joint kit  Quiet kit  Duct connection: To connect extraction of BSSV boxes in serial					
Quiet kit					
Duct connection: To connect extraction of BSSV boxes in serial					
Drain pump kit					

<sup>(1)</sup> For metric size connections, contact your local sales responsible (2) not applicable for SVIA25A

VPV III. O Heat Box	avery Penlacement VPV	VRV-W IV Water-cooled VRV					
VKV III-Q Heat Ket	VRV III-Q Heat Recovery Replacement VRV		Heat Pump application	Heat Recovery application			
RQEQ 140~212	2/3/4-module systems	RWEYQ8-14	2/3-module systems	2/3-module systems			
	2/3 modules: BHFP26P36C 4 modules: BHFP26P84C		BHFQ22P1007 / BHFQ22P1517 (1)	BHFQ23P907 / BHFQ23P1357 (1)			
		DT440.44.53 (64/63					
Installation in the RWEYO	outdoor unit possible. For installation in indoor	DTA104A53/61/62 runits use appropriate type (DTA104A53/6	51/62) for particular indoor unit. See Options	& Accessories of indoor units			
IIIstaliation III the NWLTQ	outdoor unit possible. For installation in indoor	i units, use appropriate type (DTA104A33/C	on/oz/ for particular indoor unit. See Options	& Accessories of indoor units			

(for H/P only) (3)	1 kit per system	
(for H/P only)	1 kit per system	
•	•	•
•	•	•

<b>R-32</b>	<b>R-32</b>	R-410A
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Refnet Headers		VRV 5 Heat Recovery Branch Selector (BSSV) boxes	VRV 5 Heat Pump optional Shut off valve (SV) boxes	VRV IV Heat Recovery Branch Selector (BS) boxes		
Capacity index	Capacity index	Capacity index	Multi port	Single & multi port	1-port	Multi port
< 290	290 ≤ x < 640	> 640	BS-A14AV1B	SV-A	BS1Q-A	BS-Q14AV1B
KHRQ22M29H	For all R-410A VRV: KHRQ22M64H For all R-32 VRV: KHRA22M65H	KHRQ22M75H				
KHRQ23M29H	KHRQ23M64H	KHRQ23M75H				
				Accessories in the box		KHFP26A100C
			EKBSJK	EKBSJK (2)		KHRP26A250T
					EKBSVQLNP	4 port: KDDN26A4 6-8 port: KDDN26A8 10-12 port: KDDN26A12 16 port: KDDN26A16
			EKBSDCK	EKBSDCK		
			K-KDU303KVE	K-KDU303KVE		

	ns & accessories - <b>INI</b> indoor <b>R-32</b>	Ceiling mounted	
	BLUEVOLUTION	Round flow (800x800)	4-way (600x600)
		FXFA-A	FXZA-A
		Standard panels: BYCQ140E (white) / BYCQ140EW	
	Descrition manual	(full white)(3) / BYCQ140EB (black)	BYFQ60C4W1W (white panel) (19)
	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)	Auto cleaning (5)(6): BYCQ140EGF (white) /	BYFQ60C4W1S (grey panel) (19)
		BYCQ140EGFB (black) Designer panels:	BYFQ60B3W1 (standard panel) (20)
Panels		BYCQ140EP (white) / BYCQ140EPB (black)	
Pa	Panel spacer for reducing required installation height		KDBQ44B60 (Standard panel)
	Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140 (7)	BDBHQ44C60 (white & grey panel)
		BRYQ140B (white panels)	DDVO COA DWY ( 1 'Y )
	Sensor kit	BRYQ140BB (black panels) BRYQ140C (white designer panel)	BRYQ60A3W (white) BRYQ60A3S (grey)
		BRYQ140CB (black designer panel)	
S		BRC7FA532F (white panels) (7)(15) BRC7FA532FB (black panels) (7)(15)	BRC7F530W (9) (10) (white panel)
Individual control systems	Infrared remote control (incl. receiver)	BRC7FB532F (white designer panel) (7)(15)	BRC7F530S (9) (10) (grey panel) BRC7EB530W (9) (10) (standard panel)
ş		BRC7FB532FB (black designer panel) (7)(15)	bite/Eb330W (5) (10) (standard panel)
į	BRP069C51 - Onecta app  Madoka	•	<u> </u>
ᇹ	BRC1H52W (White) / BRC1H52S (Silver) / BRC1H52K (Black)	• (mandatory)	<ul><li>(mandatory)</li></ul>
jg	User-friendly wired remote controller with premium design		·
츌	BRC1E53A/B/C - Wired remote control with full-text interface and back-light		
	BRC1D52 (4) - Standard wired remote control with weekly timer		
ems	DCC601A51 - intelligent Tablet Controller	•	•
yst.	DCS601C51 (12) - intelligent Touch Controller	•	•
control systems	DCS302C51 (12) - Central remote controller	•	•
ont	DCS301B51 (12) (13) - Unified ON/OFF controller	•	•
Ť	EKMBPP1 - Modbus interface for monitoring and control (check compatibility)	•	•
na	RTD-10 - Modbus interface for infrastructure cooling	•	•
individual	RTD-20 - Modbus interface for retail	•	•
Ë	8	_	
ģ	RTD-HO - Modbus interface for hotel	•	•
proced mediaces	KLIC-DI_V2 - KNX Interface	•	•
	DCM601B51 - intelligent Touch Manager	•	•
	DGE601A51 - Edge adapter for connection to Daikin Cloud Plus	•	•
	DGE601A51 - Edge adapter for connection to Daikin Cloud Plus  DGE602A51 - Edge lite adapter for connection to Daikin Cloud Plus  EKMBDXB - Modbus interface  DCM010A51 - Daikin PMS interface	•	•
1	EKMBDXB - Modbus interface	•	•
	DCM010A51 - Daikin PMS interface	•	•
	DMS502A51 - BACnet Interface	•	•
	DMS504B51 - LonWorks Interface	•	•
	Auto cleaning filter	see decoration panel	
	UV Streamer kit (purifies the air of pollutants such as virusses, bacteria, fine UV Streamer kit	BAEF125AWB (22)	
	dust, oudeurs, allergens, etc ensuring a healthy indoor environment) Replacement filter	BAF55A125	
ers			
	Ligh off signs of the	ePM10 60% BAF552AA160 (23)	
Ĭ	High efficiency filter	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters)	
Ë	High efficiency filter	BAF552AA160 (23)	
Ĕ	High efficiency filter  Replacement long life filter, non-woven type	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters)	KAF441C60
Filters	Replacement long life filter, non-woven type	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)	KAF441C60
		BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)	KAF441C60
	Replacement long life filter, non-woven type Pre-filter	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)	KAF441C60 KRCS01-6B
	Replacement long life filter, non-woven type Pre-filter Filter chamber  KRCS - External wired temperature sensor	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B	KRCS01-6B
	Replacement long life filter, non-woven type  Pre-filter  Filter chamber	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter) KAF5511D160	
	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC	KRCS01-6B SB.K.RSS_FDA
	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)	KRCS01-6B SB.K.RSS_FDA (EKEWTSC-1+K.RSS)
	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)	KRCS01-6B SB.K.RSS_FDA (EKEWTSC-1 + K.RSS) ERP02A50 (2) EKRP1C14 (2)
sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)
sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for keycard and/or window contact connection (2)(11)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)
sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for keycard and/or window contact connection (2)(11)  Adapter for multi-tenant applications (24VAC PCB power supply interface)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52
sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for keycard and/or window contact connection (2)(11)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61
sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor) Adapter for external central monitoring/control (controls 1 entire system) Adapter for keycard and/or window contact connection (2)(11) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53 DTA114A61  KRP1B98A (7) KRP1BSA (7) KRP1BC101	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101
sensors	Replacement long life filter, non-woven type  Pre-filter  Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-1400 (for dedicated indoor)  Adapter for centralised external monitoring/control (controls 1 entire system)  Adapter for keycard and/or window contact connection (2)(11)  Adapter for multi-tenant applications (24VAC PCB power supply interface)  External control adapter for outdoor unit (installation on indoor unit)  Installation box / Mounting plate for adapter PCBs  (For units where there is no space in the switchbox)  Wiring kit for Remote ON/OFF or Forced OFF	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard
	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for rentralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor) Adapter for centralised external monitoring/control (controls 1 entire system) Adapter for external central monitoring/control (controls 1 entire system) Adapter for keycard and/or window contact connection (2)(11) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard  ERP01A51 (2)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)
sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for rentralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor) Adapter for centralised external monitoring/control (controls 1 entire system) Adapter for external central monitoring/control (controls 1 entire system) Adapter for keycard and/or window contact connection (2)(11) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor  Drain pump kit	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard
sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for rentralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor) Adapter for centralised external monitoring/control (controls 1 entire system) Adapter for external central monitoring/control (controls 1 entire system) Adapter for keycard and/or window contact connection (2)(11) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard  ERP01A51 (2)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)
Adapters sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor) Adapter for external central monitoring/control (controls 1 entire system) Adapter for external cantral monitoring/control (controls 1 entire system) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor  Drain pump kit Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1+ K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard
Adapters	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor) Adapter for external central monitoring/control (controls 1 entire system) Adapter for external cantral monitoring/control (controls 1 entire system) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor  Drain pump kit Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1+ K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard
Adapters	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for multi-tenant applications (24VAC PCB power supply interface)  External control adapter for outdoor unit (installation on indoor unit)  Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)  Wiring kit for Remote ON/OFF or Forced OFF  Relay PCB for output signal of refrigerant sensor  Drain pump kit  Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)  Fresh air intake kit (direct installation type)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard
Adapters	Replacement long life filter, non-woven type  Pre-filter Filter Chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor) Adapter for external central monitoring/control (controls 1 entire system) Adapter for keycard and/or window contact connection (2)(11) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor  Drain pump kit Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue) Fresh air intake kit (direct installation type)  Air discharge adapter for round duct	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1+ K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard
Adapters sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for multi-tenant applications (24VAC PCB power supply interface)  External control adapter for outdoor unit (installation on indoor unit)  Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)  Wiring kit for Remote ON/OFF or Forced OFF  Relay PCB for output signal of refrigerant sensor  Drain pump kit  Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)  Fresh air intake kit (direct installation type)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1H98A (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1+ K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard
dd Others Adapters sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-1400 (for dedicated indoor) Adapter for external central monitoring/control (controls 1 entire system) Adapter for keycard and/or window contact connection (2)(11) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor  Drain pump kit Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue) Fresh air intake kit (direct installation type)  Air discharge adapter for round duct  L-type piping kit Insulation kit for high humidity tation is necessary for this option	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1BA8A (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard  KDDP55C160-1 + KDDP55D160-2 (7)(8)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1+K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard  KDDQ44XA60
Others Adapters vering and sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-1400 (for dedicated indoor) Adapter for external central monitoring/control (controls 1 entire system) Adapter for wexternal central monitoring/control (controls 1 entire system) Adapter for wexternal central monitoring/control (controls 1 entire system) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor  Drain pump kit Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue) Fresh air intake kit (direct installation type)  Air discharge adapter for round duct  L-type piping kit Insulation kit for high humidity  tation is necessary for this option (ion box is necessary for these adapters	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1BC101  Standard  ERP01A51 (2)  Standard  ERP01A51 (2)  Standard  KDDP55C160-1 + KDDP55D160-2 (7)(8)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1+ K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard  KDDQ44XA60
Mring and Mring and Stallar St	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wired temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output) Adapter with 4 output signals (Compressor / Error, Fan output) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-1400 (for dedicated indoor) Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-1400 (for dedicated indoor) Adapter for external central monitoring/control (controls 1 entire system) Adapter for hexpard and/or window contact connection (2)(11) Adapter for multi-tenant applications (24VAC PCB power supply interface) External control adapter for outdoor unit (installation on indoor unit) Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF Relay PCB for output signal of refrigerant sensor  Drain pump kit Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue) Fresh air intake kit (direct installation type)  Air discharge adapter for round duct  L-type piping kit Insulation kit for high humidity tation is necessary for this option (ion box is necessary for these adapters (10/140EW has white insulation. Be informed that formation of dirt on white insulation (stronger and that it is consequently not advised to install the BYCQ140EW decoration	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWT5C-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1BA98 (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard  ERP01A51 (2)  Standard  KDDP55C160-1 + KDDP55D160-2 (7)(8)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1+ K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard  KDDQ44XA60
Others Adapters sensors	Replacement long life filter, non-woven type  Pre-filter Filter chamber  KRCS - External wireless temperature sensor  K.RSS - External wireless temperature sensor  Adapter with 2 output signals (Compressor / Error, Fan output)  Adapter with 4 output signals (Compressor / Error, Fan output)  Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for external central monitoring/control (controls 1 entire system)  Adapter for multi-tenant applications (24VAC PCB power supply interface)  External control adapter for outdoor unit (installation on indoor unit)  Installation box / Mounting plate for adapter PCBs (For units where there is no space in the switchbox)  Wiring kit for Remote ON/OFF or Forced OFF  Relay PCB for output signal of refrigerant sensor  Drain pump kit  Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)  Fresh air intake kit (direct installation type)  Air discharge adapter for round duct  L-type piping kit  Insulation kit for high humidity  tation is necessary for this option (on box is necessary for this option (on box is necessary for this option (on box is necessary for this option (on box is necessary for this option (on box is necessary for this option (on box is necessary for this option (on box is necessary for this option (on stonger and that it is consequently not advised to install the BYCQ140EW decoration (or environments exposed to concentrations of dirt* (or environments exposed to concentrations of dirt* (or environments exposed to concentrations of dirt* (or environments exposed to concentrations of dirt* (or environments exposed to concentrations of dirt* (or environments exposed to concentrations of dirt* (or environments exposed to concentrations of dirt* (or environments exposed to concentrations of dirt*)	BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)  KAF5511D160  KRCS01-5B  SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)  KRP1BA58 (2)(7)  EKRP1C12 (2)(7)  KRP4A53 (2)(7)  BRP7A53  DTA114A61  KRP1BA84 (7)  KRP1BC101  Standard  ERP01A51 (2)  Standard  KDDP55C160-1 + KDDP55D160-2 (7)(8)	KRCS01-6B  SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)  ERP02A50 (2)  EKRP1C14 (2)  KRP4A53 (2)  KRP2A52  BRP7A53 (2)  DTA114A61  KRP1BC101  Standard  ERP01A50 (2)  Standard  KDDQ44XA60

<sup>(1)</sup> pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140EW decoration panel in environments exposed to concentrations of dirt\*
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRC1E or BRC1H\* is needed

Slim	ncealed ceiling units (duct u Medium ESP	High ESP	1-way blow	spended units 4-way blow	
FXDA-A	FXSA-A	FXMA-A	FXHA-A	FXUA-A	FXAA-A
FADA-A	FA3A-A	FAMA-A	гапа-а	FAUA-A	FAAA-A
				KDBHP49B140 + KDBTP49B140	
				BRE49B2F	
BRC4C65	BRC4C65	BRC4C65	BRC7GA53-9	BRC7C58	BRC7EA630
•	•	•	•	•	•
	, , ,				
<ul><li>(mandatory)</li></ul>	• (mandatory)	• (mandatory)	<ul><li>(mandatory)</li></ul>	• (mandatory)	<ul><li>(mandatory)</li></ul>
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15-32: BAE20A62 40-50: BAE20A82					
63: BAE20A102					
		Replacement filters for 200~250:			
		BAFM503A250 (65%) (21)			
		BAFH504A250 (90%) (21)			
		200~250: BAFL502A250 (21)	32: KAF501B56 50~63: KAF501B80	KAFP551K160	
		200~250: BAFL502A250 (21)	71~100: KAF501B160	KAFPSSIKIOU	
		200~250: BAFL501A250 (21)			
		200~250: BDD500B250			
KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B	KRCS01-6B
SB.K.RSS_FDA	SB.K.RSS FDA	SB.K.RSS_FDA	SB.K.RSS_FDA	SB.K.RSS_FDA	SB.K.RSS_FDA
SB.K.RSS_FDA EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	(EKEWTSC-1 + K.RSS)	(EKEWTSC-1 + K.RSS)	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)
	,	, 112211111105,	KRP1BA58		,
ERP02A50 (2)	EKRP1C14 (2)	EKRP1C14 (2)		EKRP1C14 (2)	ERP02A50 (2)
		50~125: KRP4A52			
KRP4A54-9 (2)	KRP4A52(2)	50~125: KRP4A52 200~250: KRP4A51	KRP4A52 (2)	KRP4A53 (2)	KRP4A51 (2)
KRP2A53 (2)	KRP2A51(2)	KRP2A51	KRP2A62		KRP2A61(2)
BRP7A54	BRP7A51	BRP7A51	BRP7A52 (2)	BRP7A53	BRP7A51 (2)
DTA114A61 DTA104A53	DTA114A61 DTA104A61 (2)	DTA114A61 DTA104A61 (2)	DTA114A61-9 DTA104A61	DTA114A61-9 DTA104A61	DTA114A61 DTA104A51(2) / DTA104A6
KRP1BC101	KRP1BC101	KRP1BC101	KRP1D93A/KRP4B93	KRP1B97 / KRP1C97	KRP4A93
ERP01A51 (2)	Standard ERP01A50 (2)	Standard ERP01A50	standard ERP01A51 (2)	standard ERP01A51 (2)	Standard ERP01A51 (2)
			32-50-63: KDU50R63	ENFORMAT (2)	
Standard	Standard	200~250: BDU510B250VM	100: KDU50R160		K-KDU572KVE
	15~32: KDAP25A36A				
	40~50: KDAP25A56A	50~80: KDAJ25K71			
	63~80: KDAP25A71A	100~125: KDAJ25K140			
	100~125: KDAP25A140A	200~250: -			
	140: -		32: KHFP5M35		
			50~63: KHFP5N63		
			71~100: KHFP5N160		

<sup>(13)</sup> Option KEK26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit
(18) VRV R-32 indoor units cannot be connected to this controller
(19) The BYFQ60C4\* R-32 panels can be connected to R-410A indoor units with wire harness EKRS22

<sup>(20)</sup> Wire harness EKRS23 is necessary

<sup>(20)</sup> Wire harness EKRS23 is necessary
(21) Filter chamber needed
(22) Only possible in combination with BYCQ140E and BYCQ140EW. Cannot be combined with other filters, chambers, fresh air intake kits or air discharge outlet sealing member kit
(23) Only possible in combination with BYCQ140E/EW/EB. Cannot be combined with other filters, chambers, fresh air intake kits or discharge outlet sealing member kit

Opt	tion	s & accessories -			Ceiling mounted cassette units		
V	R	indoor & hot water R-410A	LOOP	Round flow (800x800)	4-way (600x600)	2-way blow	Corner (1-way blow)
				FXFQ-B	FXZQ-A	FXCQ-A	FXKQ-MA
	2	Decoration panel (obligatory for cassette units, optional for others, rear panel for FXLQ)		Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(3) / BYCQ140EB (black) Auto cleaning (5)(6): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60C2W1W (white panel) BYFQ60C2W1S (grey panel) BYFQ60B3W1 (standard panel)	20~40: BYBCQ40H 50~63: BYBCQ63H 80~125: BYBCQ125H	25~40: BYK45F 63: BYK71F
Joned	ŧ	Panel spacer for reducing required installation height			KDBQ44B60		25~40: KPBJ52F56
-	-	Sealing kit for 3- or 2-directional air discharge		KDBHQ56B140 (7)	(Standard panel) BDBHQ44C60 (white & grey panel)		63: KPBJ52F80
		Sensor kit		BRYQ140B (white panels) BRYQ140BB (black panels) BRYQ140C (white designer panel) BRYQ140CB (black designer panel)	BRYQ60A2W (white) BRYQ60A2S (grey)		
ame de sus la compania del compania de la compania de la compania del compania de la compania del la compania del compania de la compania del comp	il systems	Infrared remote control including receiver		BRC7FA532F (white panels) (7)(15) BRC7FA532FB (black panels) (7)(15) BRC7FB532F (white designer panel) (7)(15) BRC7FB532FB (black designer panel) (7)(15)	BRC7F530W (9) (10) (white panel) BRC7F530S (9) (10) (grey panel) BRC7EB530W (9) (10) (standard panel)	BRC7C52	BRC4C61
on the contract of		BRP069C51 - Onecta app Madoka BRC1H52W (White) / BRC1H52S (Silver) / BRC1H52K (Black)		•	•	•	•
100		User-friendly wired remote controller with premium design BRC1E53A/B/C - Wired remote control with full-text interface.		• (18)	• (18)	•	•
3	2	back-light  BRC1D52 (4) - Standard wired remote control with weekly timer		• (15)(18)	• (18)		•
Centralised		DCC601A51 - Intelligent Tablet Controller		(15)(16)	•	•	•
	systems	DCS601C51 (12) - intelligent Touch Controller		•	•	•	•
	Sys.	DCS302C51 (12) - Central remote control		•	•	•	•
	_	DCS301B51 (12) (13) - Unified ON/OFF control		•	•	•	•
	for individual control	EKMBPP1 - Modbus interface for monitoring and control  RTD-10 - Modbus interface for infrastructure cooling  RTD-20 - Modbus interface for retail			•		•
	a Š			•	•	•	•
	ë 8	RTD-HO - Modbus interface for hotel		•	•	•	•
	٤	KLIC-DI_V2 - KNX Interface		•	•	•	•
	<u> </u>	DCM601B51 - intelligent Touch Manager DGE601A51 - Edge adapter for connection to Daikin Cloud Plus DGE602A51 - Edge lite adapter for connection to Daikin Cloud Plus EKMBDXB - Modbus interface DCM010A51 - Daikin PMS interface DMS502A51 - BACnet Interface		•	•	•	•
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ig ig	ent			•	•	•	•
St	forc			•	•	•	•
	4	DMS504B51 - LonWorks Interface		•	•	•	•
		Auto cleaning filter		see decoration panel			
			Streamer kit lacement				
		ensuring a healthy indoor environment) filte		BAF55A125			
110		High efficiency filter		BAF552AA160 ePM10 60% (26) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10 (box of 10 filter)			
		Replacement long life filter, non-woven type  Pre-filter		KAF5511D160	KAF441C60	20~40: KAF531C50 50~63: KAF531C80 80~125: KAF531C160	
		Filter chamber					
Wiring	Sors	KRCS - External wired temperature sensor		KRCS01-5B	KRCS01-4	KRCS01-4	KRCS01-1
×	Sen	K.RSS - External wireless temperature sensor		K.RSS	K.RSS	•	•
		Adapter with 2 output signals (Compressor / Error, Fan output)		KRP1BA58 (2)(7)	KRP1B57 (2)		
		Adapter with 4 output signals (Compressor / Error, Fan, Aux. heater, Humidifier output)		EKRP1C12 (2)(7)	EKRP1B2 (2)	EKRP1B2 (2)	KRP1B61
		Adapter for centralised external monitoring/control via dry and setpoint control via 0-140 $\Omega$ (for dedicated indoor)	contacts	KRP4A53 (2)(7)	KRP4A53 (2)	KRP4A51 (2)	KRP4A51
5	2	Adapter for external central monitoring/control (controls 1 entire system)			KRP2A52	KRP2A51 (2)	KRP2A61
20000	2	Adapter for keycard and/or window contact connection (2)(11	)	BRP7A53	BRP7A53 (2)	BRP7A51	BRP7A51
ż	Ž	Adapter for multi-tenant applications		DTA114A61	DTA114A61	DTA114A61-9	
		(24VAC PCB power supply interface)  External control adapter for outdoor unit (installation on indoor unit)				DTA104A61 (2)	DTA104A61
		Installation box / Mounting plate for adapter PCBs		KRP1H98A (7)	KRP1BC101	KRP1C96 (16) (17)	
		(For units where there is no space in the switchbox) Wiring kit for Remote ON/OFF or Forced OFF		KRP1BC101 Standard	Standard	Standard	Standard
		Relay PCB for output signal of refrigerant sensor		Standard	Standard	Standard	Standard
		Drain pump kit		Standard	Standard	Standard	Standard
		Multi zoning kit (for detailed model code overview refer to					
		multizoning argue card in this catalogue) Fresh air intake kit (direct installation type)		KDDP55C160-1 + KDDP55D160-2 (7)(8)	KDDQ44XA60		
3040	2	Air discharge adapter for round duct		KDDF33C100-1+ KDDF33D100-2 (7)(o)	NDDQ444AAOU		
č	•						
		L-type piping kit				2040-VDDEDE2050	
		Filter chamber for bottom suction				20~40: KDDFP53B50 50~63: KDDFP53B80 80~125: KDDFP53B160	
		Insulation kit for high humidity					
		1					

<sup>(1)</sup> pump station is necessary for this option
(2) Installation box is necessary for these adapters
(3) The BYCQ140EW has white insulation. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140EW decoration panel in environments exposed to concentrations of dirt\*
(4) Not recommended because of the limitation of the functions
(5) To be able to control the BYCQ140EGF(B) the controller BRCIE or BRCIH\* is needed

<sup>(6)</sup> The BYCQ140EGF(B) is not compatible with Multi and Split Non-Inverter Outdoor units (7) Option not available in combination with BYCQ140EGF(B)

<sup>(8)</sup> Both parts of the fresh air intake are needed for each unit

<sup>(9)</sup> Cannot be combined with sensor kit
(10) Independently controllable flaps function not available
(11) Only possible in combination with BRC:I+\* / BRC:I=\*
(12) When fixing box is required, use KJB212A, KJB311A or KJB411A depending on the size of the controller
(13) Option KEY26-1A (Noise filter) is required when installing DCS301B51
(14) Wire harnass EKEWTSC is necessary
(15) The active airflow circulation function is not available for this controller.
(16) Up to 2 adaptor PCBs can be installed per installation box
(17) Only one installation box can be installed per indoor unit
(18) VRV R-32 indoor units cannot be connected to this controller

Concealed ceiling units (duct units)			Ceiling susp	ended units	Wall mounted units	Floor standing units		
Slim	Medium ESP	High	ESP	1-way blow	4-way blow		Concealed	Free-standing
FXDQ-A3	FXSQ-A	FXMQ-P7	FXMQ-A	FXHQ-A	FXUQ-A	FXAQ-A	FXNQ-A	FXLQ-P
								20~25: EKRDP25A5 32~40: EKRDP40A5 50~63: EKRDP63A5
					KDBHP49B140 + KDBTP49B140			
					NUDHIP490140 + NUDIF490140			
BRC4C65	BRC4C65	BRC4C65	BRC4C65	BRC7GA53-9	BRC7C58	BRC7EA629 / BRC7EA628	BRC4C65	BRC4C65
•	•	•	•	•	•	•	•	•
• (18)	• (18)	•	•	•	•	•	•	•
• (18)	• (18)	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•		•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•		•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•
5-32: BAE20A62 40- 50: BAE20A82 63: BAE20A102								
			Replacement filter BAFM503A250 (65%) (21) BAFH504A250 (90%) (21)					
			BAFL502A250 (21) BAFL501A250 (21)	32: KAF501B56 63: KAF501B80 100: KAF501B160	KAF5511D160			20~25: KAF361L28 32~40: KAF361L45 50~63: KAF361L71
			BDD500B250					
KRCS01-4	KRCS01-4	KRCS01-4	KRCS01-6B SB.K.RSS_FDA	KRCS01-4	KRCS01-4	KRCS01-1	KRSC01-4	KRCS01-1
K.RSS	K.RSS	(ADD4564 (2))	(EKEWTSC-1 + K.RSS)	(ADD4D5 4 (2)	•	K.RSS + EKEWTSC	•	•
KRP1B56	EKRP1B2 (2)	KRP1C64 (2) EKRP1B2 (2)	KRP1C65 EKRP1C14 (2)	KRP1B54 (2)			KRP1B56	KRP1B61
KRP4A54-9 (2)	KRP4A52 (2)	KRP4A51 (2)	KRP4A51	KRP4A52 (2)	KRP4A53 (2)	KRP4A51 (2)	KRP4A54-9	KRP4A51
KRP2A53 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51	KRP2A62 (2)		KRP2A51 (2)/	KRP2A53	KRP2A51
BRP7A54	BRP7A51	BRP7A51	BRP7A51	BRP7A52	BRP7A53	KRP2A61(2) BRP7A51 (2)	BRP7A54	BRP7A51
DTA114A61	DTA114A61 (2)	DTA114A61 (2)	DTA114A61	DTA114A61-9	DTA114A61-9	DTA114A61	DTA114A61	EKMTAC
DTA104A53	DTA114A61 (2)	DTA104A61 (2)	DTA114A61	DTA104A62-9	ביוחודחטו־ז	DTA104A51 /	DTA104A53	DTA104A61
					I/DD4D6=	DTA104A61		
KRP1BC101	KRP1BC101	KRP4A96	Chan I I	KRP1D93A (19)	KRP1B97	KRP4AA93 (16)(17)	KRP1BC101	C+- ! !
	Standard	Standard	Standard	EKRORO4	EKRORO5	Standard	Standard	Standard
Standard	Standard	Standard	BDU510B250VM	32: KDU50R63 63~100: KDU50R160		K-KDU572KVE		
•	•							
	15~32: KDAP25A36A				Hot water			
	40~50: KDAP25A56A 63~80: KDAP25A71A	50~80: KDAJ25K71			Drain pan		HXY080-125A8 EKHBDPCA2	HXHD125-200A
	100~125: KDAP25A140A 140: -	100~125: KDAJ25K140			Digital I/O PCB		EKRP1HBAA	EKRP1HBAA
	170.				<ul> <li>Demand PCB - Requir thermostat</li> </ul>	ed to connect room	EKRP1AHTA	EKRP1AHTA

32: KHFP5N63 63~100: KHFP5N160

KDT25N32 / KDT25N50 / KDT25N63

(19) The BYFQ60C4\* R-32 panels can be connected to R-410A indoor units with wire harness EKRS22 (20) Wire harness EKRS23 is necessary (21) Filter chamber needed (22) Only possible in combination with BYCQ140E and BYCQ140EW. Cannot be combined with other filters, chambers, fresh air intake kits or air discharge outlet sealing member kit (23) Requires demand PCB (24) Can only be used in combination with wireless room thermostat (25) If tank is NOT mounted on top of the HXHD unit, then option EKFMAHTB is needed to install tank as stand alone (26) Only possible in combination with BYCQ140E/EW/EB. Cannot be combined with other filters, chambers, fresh air intake kits or discharge outlet sealing member kit

	HXY080-125A8	HXHD125-200A8
Drain pan	EKHBDPCA2	-
Digital I/O PCB	EKRP1HBAA	EKRP1HBAA
Demand PCB - Required to connect room thermostat	EKRP1AHTA	EKRP1AHTA
Remote user interface (remocon) - Same controller as supplied with cascade unit can be mounted parallel or on other location. If 2 controllers are installed, the installer needs to select 1 master &1 slave	EKRUAHTB	EKRUAHTB
Back-up heater	EKBUHAA6(W1/V3)	-
Wired room thermostat	EKRTWA (23)	EKRTWA (23)
Wireless room thermostat	EKRTR1 (23)	EKRTR1 (23)
Remote sensor for room thermostat	EKRTETS (24)	EKRTETS (23)
Stainless domestic hot water tank - 2001	-	EKHTS200AC (25)
Stainless domestic hot water tank - 260l	-	EKHTS260AC (25)
PP domestic hot water tank - 300l	-	EKHWP300B
PP domestic hot water tank - 500l	-	EKHWP500B
Solar collector	-	EKSV26P (vertical) EKSH26P (horizontal)
Pump station	-	EKSRPS





# Commercial Ventilation & Air Purification

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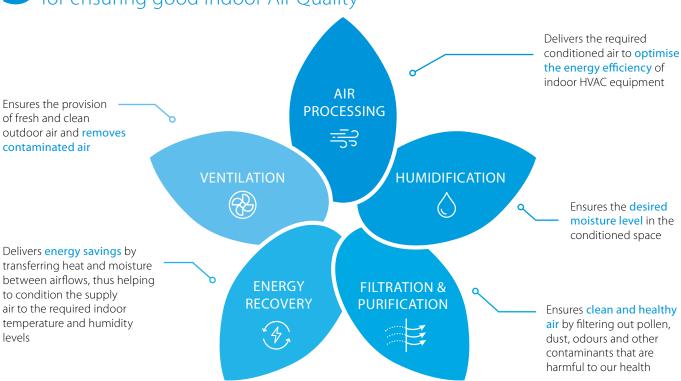
Want to know more about ventilation systems and how indoor air quality can be secured by ventilation? Follow our online webinar via the YouTube playlist.



# Indoor Air Quality?

- Indoor Air Quality (IAQ) is a measure of the air quality indoors, as breathed in by the building's occupants.
- New residential buildings, schools, offices or light commercial buildings often neglect indoor air quality.
- Because of pollutants, such as pollen, bacteria and others, the indoor air quality can be 2 to 5 times worse than outdoors.
- Since 90% of our lives is spent indoors, it is crucial to invest in good air quality.

# 5 components for ensuring good Indoor Air Quality



### Ventilation

Ventilation systems ensure optimal climate conditions by providing a fresh, healthy and comfortable environment for buildings of all sizes and applications. When a room is enclosed, air cannot easily enter or leave, allowing airborne pollutants to remain and accumulate within the space. This concentration could have an impact on the health of the room's occupants. Ventilation is essential for diluting and removing these pollutants.

A well-maintained ventilation system and adequate airexchange rate have been demonstrated to be an effective solution to protect people from contaminants, including viruses.



# Products overview

15	0 500	1,000	2,000	2,500	3,000	3,500	4,000	15,000	25,000	140,000
	MODULAR		FOLION	> DX c	erior IAQ leve coil integratic &Play contro	on for a uniq	ue Daikin fre or a quick an	esh air packa	age	
Decentralised systems	MODULAR L		■ → EC fan	> VD > Co 150 m <sup>3</sup> /h act size nergy effic motors	gh efficiency I 6022 Certifie mpact design up to 3,400 m	counterflow ed n for false ce <sup>3</sup> /h ecovering se	heat excha	ition		
Dece		M + DX COIL	DX coil for pos Split up conce Integrates both 500 m With DX coil for Increased con Humidifier op	t-treatmer pt increase n in R-32 a 3 <sup>3</sup> /h up to 2, or post-tre nfort tion	nt of fresh air es applicatior nd R-410A VR 000 m³/h	n flexibility V systems				
Centralised systems			ROFESSIONAL	> High 6 > Pre-cc > Plug 8 > With [	efficiency alur onfigured size: Play pre-con OX or water co 500 m	h up to 144,0  minium plate s figured control oil option  13/h up to 25,0  nger (sorptio	h DX or wate 000 m³/h heat exchan rols	lug & Play Co er coil option ger		ion
	D-	AHU MODUL	AR R	> Plug	configured siz & Play pre-co DX or water of 500 n	onfigured cor	1			



# Market leading controls& connectivity

- > Interlock of ventilation and air conditioning system
  - Control ERV/HRV and air conditioning from the same controller
  - Aligns the operation mode between the systems to save energy
- > Easy integration in the total solution
  - Online control and monitoring via the Daikin Cloud Service
  - Full portfolio integration in the intelligent Touch Manager, Daikin's cost-effective mini BMS
- > User-friendly controller with premium design
  - · Intuitive touch button control



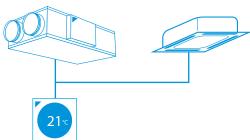












# Unique installation benefits

- > Integrates seamlessly in the Daikin total solution, ensuring a single point of contact
- > Total fresh air solution with Daikin supplying the VAM/Modular L Smart, Modular T and the electrical heater
- > Daikin AHU and condensing unit connect Plug & Play thanks to same pipe diameters, factory mounted controls, expansion valves, etc.









- > Energy recovery of up to 92%, reducing running costs
- > Free nighttime cooling using fresh outside air
- > Inverter driven centrifugal fans
- > ErP compliant



# 4 Best comfort

- > Wide range of units to control fresh air and humidity
- > Wide range of optional filters to suit the application available up to ePM, 80% (F9)
- Special paper heat exchanger recovers heat and moisture from extract air to warm up and humidify fresh air to comfortable levels (VAM, VKM)

# 5 Top reliability

- > Most extensive testing before new units leave the factory
- > Widest support network and after sales service
- > All spare parts available in Europe



## Did you know?

CO<sub>2</sub> levels and ventilation rates all have significant, independent impacts on cognitive function:

Please refer to our dedicate page on Indoor Air Quality for more information.



#### COGNITIVE FUNCTION SCORES ...



+ 61%
IN GREEN BUILDING
CONDITIONS



# Widest range of DX integrated ventilation on the market

Daikin offers a variety of solutions from small energy recovery ventilation to large-scale air handling units for the provision of fresh air ventilation to homes, or commercial premises.

#### **Ventilation solutions**

Daikin offers state-of-the-art ventilation solutions that can easily be integrated into any project:

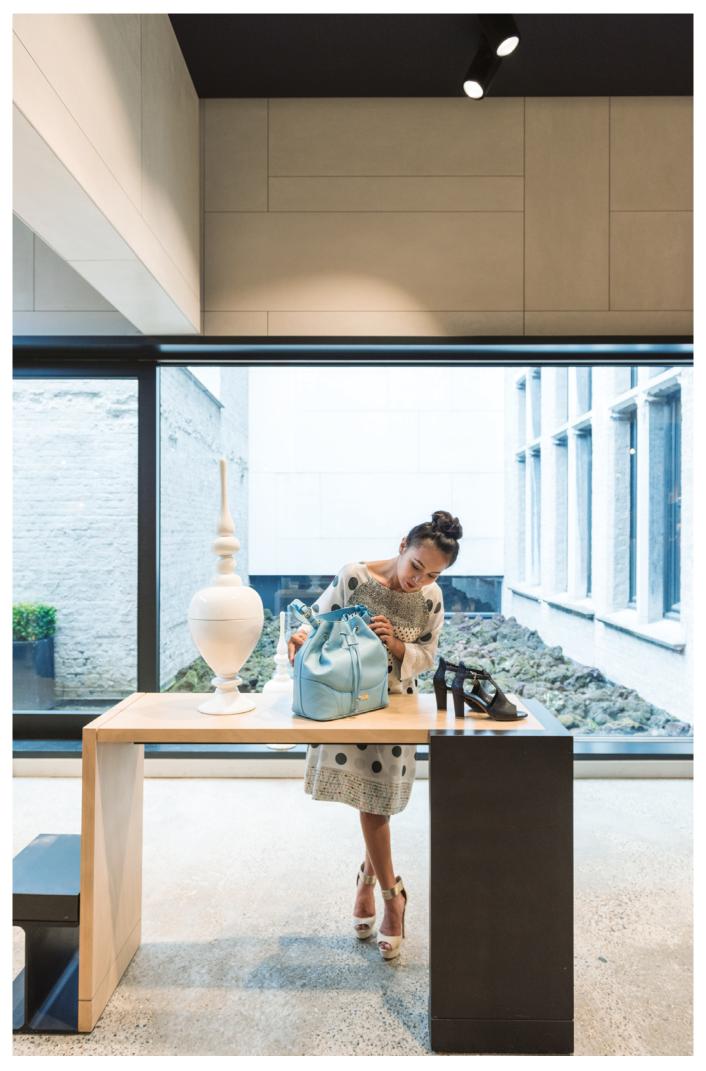
- > Unique portfolio within DX manufacturers
- > High-quality solutions complying with the highest Daikin quality standards
- > **Seamless integration** of all products to provide the best indoor climate
- All Daikin products connected to a single controller for complete control
  of the HVAC system.

#### **Energy Recovery Ventilation**

Our energy recovery units **recover sensible energy** (Modular L / Modular T) or **total (sensible + latent) energy** (VAM/EKVDX/VKM-GBM), substantially reducing the load on the air conditioning system up to 40%.

#### Ventilation with DX connection - Control over fresh air temperature

Daikin offers a range of inverter condensing units to be used in combination with Daikin AHUs for ultimate control over the fresh air. There are 4 control possibilities when **combining AHU and Daikin outdoor units** hence offering all the required flexibility for any installation. Indoor units can be combined to the same outdoor unit to reduce the installation costs. For **false-ceiling installations** where space is a constraint, the VKM can fit perfectly to deliver fresh air at a comfortable temperature and it has an optional humidification element.



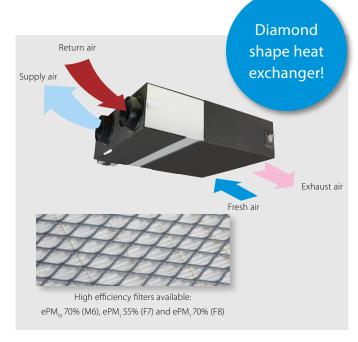
### **Energy recovery ventilation**

#### Ventilation with heat recovery as standard

- > Thinnest High Efficiency Enthalpy Heat Exchanger in the market (J-series)
- > Energy saving ventilation using indoor heating, cooling and moisture recovery
- > Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- > Prevent energy losses from over-ventilation while improving indoor air quality with optional CO<sub>2</sub> sensor (J-series)
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume (J - series)
- > Can be used as stand alone or integrated in the Sky Air or VRV system
- $\rightarrow$  Wide range of units: air flow rate from 150 up to 2,000 m<sup>3</sup>/h
- > Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- > No drain piping needed
- > Can operate in over- and under pressure
- > Total solution for fresh air with Daikin supply of both VAM / VKM and electrical heaters
- > VAM-J8 series are connectable to EKVDX DX coil for air processing
- > Possibility of CO<sub>2</sub> concentration when combining VAM-J8 with optional BRYMA CO<sub>2</sub> sensor and Madoka remote controller (with or without EKVDX)

More details and final information can be found by scanning or clicking the QR codes.

Vantilation









高級構造機合	
<b>建筑建筑</b>	
<b>36000000000000000000000000000000000000</b>	\
<b>国际发展的</b>	VAM-J8

Ventilation			VA	M/VAM	150FC9	250FC9	350J8	500J8	650J8	800J8	1000J8	1500J8	2000J8
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/ 0.058	0.161/0.079/ 0.064	0.097/0.070/ 0.039	0.164/0.113/ 0.054	0.247/0.173/ 0.081	0.303/0.212/ 0.103	0.416/0.307/ 0.137	0.548/0.384/ 0.191	0.833/0.614 0.273
	Bypass mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/ 0.058	0.161/0.079/ 0.064	0.085/0.061/	0.148/0.100/ 0.045	0.195/0.131/ 0.059	0.289/0.194/ 0.086	0.417/0.300/ 0.119	0.525/0.350/ 0.156	0.835/0.600 0.239
Temperature exchange efficiency - 50Hz	Ultra high	/High/Lo	w	%	77.0(1)/72.0(2)/ 78.3(1)/72.3(2)/ 82.8(1)/73.2(2)	76.0(1)/70.0(2)/	85.1/86.7/ 90.1	80.0/82.5/ 87.6	84.3/86.4/ 90.5	82.5/84.2/ 87.7	79.6/81.8/ 86.1	83.2/84.8/ 88.1	79.6/81.8/ 86.1
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra hig	gh/High/Low	%	60.3(1)/61.9(1)/ 67.3(1)		65.2/67.9/ 74.6	59.2/61.8/ 69.5	59.2/63.8/ 73.1	67.7/70.7/ 76.8	62.6/66.4/ 74.0	68.9/71.8/ 77.5	62.6/66.4 74.0
	Heating	Ultra hig	gh/High/Low	%	66.6(1)/67.9(1)/ 72.4(1)	66.6(1)/67.4(1)/ 70.7(1)	75.5/77.6/ 82.0	69.0/72.2/ 78.7	73.1/76.3/ 82.7	72.8/75.3/ 80.2	68.6/71.7/ 77.9	73.8/76.1/ 80.8	68.6/71.7/ 77.9
Operation mode									le, bypass m				
Heat exchange syst	em					Ai	r to air cross	flow total h	neat (sensib	le + latent h	eat) exchan	nge	
Heat exchange eler	nent						Spe	cially proce	ssed non-fl	ammable p	aper		
Dimensions	Unit HeightxWidthxDepth		mm	285x7	76x525	301x1,113x886		368x1,354x920	368x1,354x1,172		731x1,354x1,172		
Weight	Unit			kg	24	1.0	46.5		61.5	79.0		157	
Casing	Material						Galvanised steel plate						
	Air flow rate - 50Hz		nge Ultra high/High/ Low	m³/h	150/140/105	250/230/155	350(1)/300(1)/ 200(1)	500(1)/425(1)/ 275(1)	650(1)/550(1)/ 350(1)	800(1)/680(1)/ 440(1)	1,000(1)/850(1)/ 550(1)	1,500(1)/1,275(1)/ 825(1)	2,000(1)/1,700(1) 1,100(1)
		Bypass mode	Ultra high/High/ Low	m³/h	150/140/105	250/230/155	350(1)/300(1)/ 200(1)	500(1)/425(1)/ 275(1)	650(1)/550(1)/ 350(1)	800(1)/680(1)/ 440(1)	1,000(1)/850(1)/ 550(1)	1,500(1)/1,275(1)/ 825(1)	2,000(1)/1,700(1) 1,100(1)
	External static pressure - 50Hz		gh/High/Low	Pa	90/87/40	70/63/25			90	(1)/70.0/50.0	O(1)		
Air filter	Type			Multidirectional fibrous fleeces (G3)							3)		
level - 50Hz	Heat exchange mode	e Ultra hig	gh/High/Low	dBA	27.0/26.0/ 20.5	28.0/26.0/ 21.0	34.5(1)/32.0(1)/ 29.0(1)	37.5(1)/35.0(1)/ 30.5(1)	39.0(1)/36.0(1)/ 31.0(1)	39.0(1)/36.0(1)/ 30.5(1)	42.0(1)/38.5(1)/ 32.5(1)	42.0(1)/39.0(1)/ 33.5(1)	45.0(1)/41.5(1) 36.0(1)
	Bypass mode	Ultra hig	gh/High/Low	dBA	27.0/26.5/ 20.5	28.0/27.0/ 21.0	34.5(1)/32.0(1)/ 28.0(1)	38.0(1)/35.0(1)/ 29.5(1)	38.0(1)/34.5(1)/ 30.5(1)	40.0(1)/36.5(1)/ 30.5(1)	42.5(1)/40.0(1)/ 32.5(1)	42.0(1)/39.0(1)/ 32.5(1)	45.0(1)/41.0(1) 35.0(1)
Operation range	Around unit °CDB					-	0°C~40°CDB, 80% RH or less						
Connection duct di	duct diameter mm				100	150	200 250 2x250						250
Power supply	Phase/Fre			Hz/V			1~; 50/60; 220-240/220						
Current	Maximum		os (MFA)	Α		5.0	16.0						
Specific energy	Cold clima			kWh/(m².a)	-56.0(5)	-60.5(5)				-			
consumption (SEC)				kWh/(m².a)	-22.1(5)	-27.0(5)				-			
	Warm clim	nate		kWh/(m².a)	-0.100(5)	-5.30(5)				-			
SEC class						B / See note 5				-			
Maximum flow rate				m³/h	130	207				-			
at 100 Pa ESP	Electric po	wer inpu	t	W	129	160				-			
Sound power level				dB	40	43	51	54	5	8	61	62	65
Annual electricity of				kWh/a	18.9(5)	13.6(5)				-			
saved	Cold clima			kWh/a	41.0(5)	40.6(5)				-			
	Average cl			kWh/a	80.2(5)	79.4(5)				-			
	Warm clim	nate		kWh/a	18.5(5)	18.4(5)				-			

#### **Electrical heater for VAM**

- > Total solution for fresh air with Daikin supply of both VAM and electrical heaters
- > Increased comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- > Standard dual flow and temperature sensor
- > Flexible setting with adjustable setpoint
- > Increased safety with 2 cut-outs: manual & automatic



More details and final information can be found by scanning or clicking the QR codes.

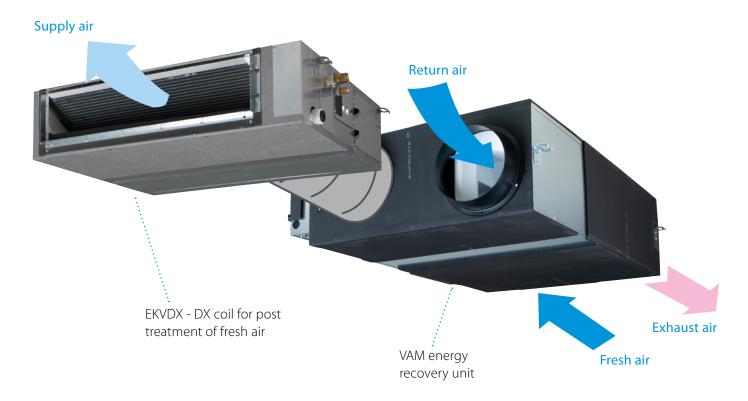


	GSIEKA	10009	15018	20024	25030	35530 <sup>(1)</sup>
Capacity	kW	0.9	1.8	2.4	3.0	3.0
Duct diameter	mm	100	150	200	250	355
Connectable VAM		VAM150FC9	VAM250FC9	VAM350,500J8	VAM650J8, VAM800J8, VAM1000J8	VAM1500J8, VAM2000J8

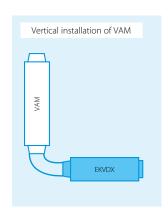
							VAM1000J8	VAIVIZOUUJO		
				GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA25030	GSIEKA35530		
		Height	mm	171	221	271	321	426		
Dimensions		Depth	mm	100	150	200	250	355		
		Width	mm	370	370 370		370	373		
Minimum distribution ( ) in Community			m/s		1.5					
Minimum air velocity / airflow			m³/h	45	100	170	265	535		
Power supply						1~230 VAC/50Hz				
Nominal current			Α	4.1	8.2	10.9	13.1	13.1		
Heating power			kW	0.9	1.8	2.4	3.0	3.0		
Connection duct diameter			mm	mm 100 150 200 250						
		Min.	°C			-40°C				
Operation range		Max.	°C	40°C						
		Rel. Humidity	%			90%				
Temperature sensor					10	) kΩ at +25°C / TJ-K10	0K			
Temperature sensor range						- 30°C to 105°C				
Temperature set point range						- 10°C to 50°C				
		flashing every 5	seconds			heater is starting up	)			
	LED1	flashing every	second		air flow	detected, heating	allowed			
LED indicators	LLD	OFF			noı	power supply or no	flow			
LED IIIdicators		ON		problem with duct temperature sensor, set point potentiometer or PTC airflow sensor						
	LED 2	OFF			h	eater is not operatir	ng			
	LED 2	ON				heater is operating				
Ambient temperature adjacent to	controller					0°C to +50°C				
Auto high temperature cut-out						50°C				
Manual reset high temperature cu	ıt-out					100°C				

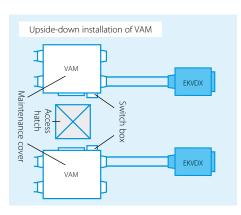
#### **EKVDX-A**

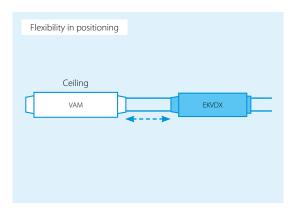
## DX coil for post treatment of fresh air



- > Creates a high quality indoor environment by pre conditioning of incoming fresh air
- > Maximum installation flexibility thanks to separate DX coil
  - Different installation possibilities to suit the application







- > Fresh air flows from 500 up to 2,000 m<sup>3</sup>/h
- > High ESP up to 150 Pa
- > Can be integrated in both R-32/R-410A VRV systems
- > Replaces VKM-GB range, delivering increased capacity range and reduced sound levels

#### DX coil for air processing

### Post heating or cooling of fresh air to lower the load on the air conditioning system

- > Creates a high quality indoor environment by pre conditioning of incoming fresh air
- > Maximum installation flexibility thanks to separate DX coil
- > Wide range of units covering fresh air flows of 500 up to 2,000  $\mathrm{m}^3/\mathrm{h}$
- > High ESP up to 150 Pa
- > Can be integrated in both R-32/R-410A VRV systems



More details and final information can be found by scanning or clicking the QR codes.



					EKVDX32A	EKVDX50A	EKVDX80A	EKVDX100A			
Power input - 50Hz	Cooling	Nom.		kW	0.035	0.035	0.035	0.035			
	Heating	Nom.		kW	0.035	0.035	0.035	0.035			
Casing	Material					Galvanised	d steel plate				
Insulation material						Opcell and ant	i-sweat material				
				mm		2	50				
		Width		mm	550	700	1,000	1,400			
		Depth		mm		8	09				
Weight	Unit			kg	19	23.4	30.1	37.7			
Operation range	Around u	nit		°CDB		10°C~40°CDB,	80% RH or less				
	On coil	Cooling	Max.	°CDB	35						
	temperatur	<sup>e</sup> Heating	Min.	°CDB	11						
Piping connections	s Liquid	OD		mm	6.35						
	Gas	OD		mm	12.7						
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm						
Refrigerant	Type					R410	A/R32				
	GWP					2,087	7.5/675				
eat exchange system					Direct expansion						
Power supply	Phase				single phase						
	Frequency				z 50/60						
	Voltage			V	220-240/220						

Possible Combin VAMJ8 + EKDVX					EKVDX32A + VAM500J8	EKVDX50A + VAM650J8	EKVDX50A + VAM800J8	EKVDX80A + VAM1000J8	EKVDX100A + VAM1500J8	EKVDX100A + VAM2000J8
Cooling capacity	Cooling capacity Total (VAM+D		At ultra high fan speed kW		5.1	7.1	8.6	9.3	15.4	18.4
	DX coil		At ultra high fan speed	kW	3.4	4.8	5.5	5.7	9.5	11.2
			At high fan speed	kW	2.7	4.1	4.4	4.5	8.8	9.2
Heating capacity	Total (VAM	+DX coil)	At ultra high fan speed	kW	6.7	8.5	11	11.9	18.7	22.9
	DX coil		At ultra high fan speed	kW	4.2	5.1	6.9	7	10.8	13
			At high fan speed	kW	3.6	4.6	5.8	6.3	9.6	11.7
Fan	Air flow	Heat exchange	Ultra high	m³/h	500	650	800	1,000	1,500	2,000
	rate -	mode	High	m³/h	425	550	680	850	1,275	1,700
	50Hz	Bypass	Ultra high	m³/h	500	650	800	1,000	1,500	2,000
		mode	High	m³/h	425	550	680	850	1,275	1,700
	External static	Maximum		Pa	81.9	73.0	133.7	106.0	153.6	92.1
	pressure -	Ultra high		Pa	51.9	43.0	23.7	26.0	43.6	12.1
	50Hz	High		Pa	39.0	33.9	19.4	21.4	35.1	11.9
Sound pressure	Cooling		Ultra high	dBA	32	34	35.5	40.5	38.5	43.5
level - 50Hz			High	dBA	30.5	32	34	38	37	40
	Heating		Ultra high	dBA	32.5	34.5	36	40.5	39	44
			High	dBA	31.5	32	34	38.5	37	40.5
Current	Maximum	fuse amps (	(MFA)	Α	6	6	6	6	16	16

The heat reclaim ventilation unit and the EKVDX indoor unit MUST share the same electrical safety devices and power supply

# Energy recovery ventilation, humidification and air processing

#### Post heating or cooling of fresh air for lower load on the air conditioning system

- > Energy saving ventilation using indoor heating, cooling and moisture recovery
- > Creates a high quality indoor environment by pre conditioning of incoming fresh air
- > Humidification of the fresh air results in comfortable indoor humidity level, even during heating
- > Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- > Low energy consumption thanks to DC fan motor
- > Prevent energy losses from over-ventilation while improving indoor air quality with optional CO<sub>2</sub> sensor
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- > Specially developed heat exchange element with High Efficiency Paper (HEP)
- > Can operate in over- and under pressure



More details and final information can be found by scanning or clicking the QR codes.



Ventilation			VKN	1-GBM	50GBM	80GBM	100GBM		
Power input - 50Hz	Heat exchange mode		Jltra high/ High/Low	kW	0.270/0.230/0.170	0.330/0.280/0.192	0.410/0.365/0.230		
	Bypass mode		Jltra high/ High/Low	kW	0.270/0.230/0.170	0.330/0.280/0.192	0.410/0.365/0.230		
Fresh air	Cooling			kW	4.71/1.91/3.5	7.46/2.96/5.6	9.12/3.52/7.0		
conditioning load	Heating			kW	5.58/2.38/3.5	8.79/3.79/5.6	10.69/4.39/7.0		
Temperature exchange efficiency - 50Hz	Ultra high/High/L	ow		%	76/76/77.5	78/78/79	74/74/76.5		
Enthalpy exchange	Cooling	Ultra high/F	ligh/Low	%	64/64/67	66/66/68	62/62/66		
efficiency - 50Hz	Heating	Ultra high/F	ligh/Low	%	67/67/69	71/71/73	65/65/69		
Operation mode					Heat exch	nange mode / Bypass mode / Fresh-	up mode		
Heat exchange syst	tem				Air to air cross	flow total heat (sensible + latent h	eat) exchange		
Heat exchange eler	ment				Spe	cially processed non-flammable pa	per		
Humidifier	System				•	Natural evaporating type			
Dimensions		HeightxWid	thxDepth	mm	387x1,764x832	387x1,76	54x1,214		
Weight	Unit			kg	100	119	123		
Casing	Material					Galvanised steel plate			
Fan-Air flow rate	Heat exchange mode	Ultra high/F	ligh/Low	m³/h	500/500/440	750/750/640	950/950/820		
- 50Hz	Bypass mode	Ultra high/H	ligh/Low	m³/h	500/500/440	750/750/640	950/950/820		
Fan-External static pressure - 50Hz	Ultra high/High/L	ow		Pa	200/150/120	205/155/105	110/70/60		
Air filter	Туре					Multidirectional fibrous fleeces			
Sound pressure	Heat exchange mode	Ultra high/F	ligh/Low	dBA	38/36/34	40/37.5/35.5	40/38/35.5		
level - 50Hz	Bypass mode	Ultra high/F	ligh/Low	dBA	39/36/34.5	41/38/36	41/39/35.5		
Operation range	Around unit			°CDB		0°C~40°CDB, 80% RH or less			
-	Supply air			°CDB		-15°C~40°CDB, 80% RH or less			
	Return air			°CDB		0°C~40°CDB, 80% RH or less			
	On coil temperature	Cooling/Max./l	leating/Min.	°CDB		-15/43			
Refrigerant	Control					Electronic expansion valve			
-	Туре					R-410A			
	GWP					2,087.5			
Connection duct di	iameter			mm	200	25	50		
Piping connections	Liquid	OD		mm		6.35			
	Gas	OD		mm		12.7			
	Water supply mm			mm		6.4			
	Drain				PT3/4 external thread				
Power supply	Phase/Frequency/	/Voltage		Hz/V 1~/50/220-240					
Current	Maximum fuse an			Α		15			



#### **Modular L Smart**

#### Premium efficiency heat recovery unit

#### Highlights

- > Connects Plug&Play into the Sky Air and VRV control network
- > Easy installation and commissioning
- > Internal pre-filter stage (up to ePM<sub>1</sub> 50% (F7) + ePM<sub>1</sub> 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 3,400m³/h
- > Exceeding ErP 2018 requirements
- Best choice when compactness is needed (only 280 mm height up to 550 m³/h)
- 50 mm double skin panel (120 kg/m³) for a maximum sound and thermal insulation

#### EC centrifugal fan

- Maximum ESP available 600 Pa (depending on model sizes and airflow)
- > Inverter driven with IE4 premium efficiency motor
- > High-efficient blade profiling
- Reduced energy consumption
- Optimized SFP (Specific Fan Power) for an efficient unit operation

#### Heat exchanger

- > Premium quality counter flow plate heat exchanger
- > Up to 91% of the thermal energy recovered
- > High grade aluminum allowing optimum corrosion protection



Right drain connection (ALB-RBS)



Left drain connection (ALB-LBS)

For integration with Applied systems, please refer to the Modular L, in the AHU chapter



AI R-I RS



AI R-RR

#### Technical details

More details and final information can be found by scanning or clicking the QR codes.

<b>D-AHU Modular L Smart</b>			ALB02*BS	ALB03*BS	ALB04*BS	ALB05*BS	ALB06*BS	ALB07*BS
Airflow		m³/h	300	600	1,200	1,600	2,300	3,000
Heat exchanger thermal e	%	8	36		87		86	
External static pressure	Nom.	Pa			10	00		
Current	Nom.	Α	0.61	1.35	2.26	2.83	4.39	6.22
Power input	Nom.	kW	0.14	0.31	0.52	0.65	1.01	1.43
SFPv (2)		kW/m³/s	1.25	1.52	1.3	1.35	1.35	1.51
Electrical supply	Phase	ph				1		
117	Frequency	Hz			50.	/60		
	Voltage	V			220/2	40 Vac		
Main unit dimensions	Width	mm	920	1,100	1,6	00	2,0	00
	Height	mm	280	350	4	15	50	00
	Length	mm	1,660	1,800		2,0	000	
Rectangular duct flange	Width	mm	250	400	50	00	70	00
3	Height	mm	150	200	300		400	
Weight unit		ka	125	180	270	280	355	360

<sup>(1)</sup> Winter design condition: Outdoor: -5°C, 90% Indoor: 22°C, 50% | (2) SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

# Electrical heater for Modular L Smart

- > Total solution for fresh air with Daikin supply of both Modular L Smart and electrical heaters
- > Increase comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- > Standard dual flow and temperature sensor
- > Heater only consumes what is required to pre-heat to the desired minimum fresh air temperature; thus saving energy



More details and final information can be found by scanning or clicking the QR codes.



Electrical heater for Modular L Smart (ALD)	02HEFB	03HEFB	05HEFB	07HEFB				
Capacity kW	1.5	3	7.5	15				
Connectable Modular L Smart size	02	03	04, 05	06, 07				
Supply voltage	230\	/,1ph	400\	V,3ph				
Output current (maximum) (A)	6.6	13.1	10.9	21.7				
Temperature sensor	15k ohms at -20 °C 10k ohms at +10 °C	16k ohms at -20 °C 10k ohms at +10 °C	17k ohms at -20 °C 10k ohms at +10 °C	18k ohms at -20 °C 10k ohms at +10 °C				
Temperature control range	- 20 °C to 10 °C							
Control fuse		Mini Circuit	Breaker 6 A					
LED indicators		Yellow = A Red = F						
Mounting holes		Depends o	n duct size					
Maximum ambient adjacent to terminal box		30°C (during	g operation)					
Auto high temperature cutout	75°C Pre-set							
Manual reset high temperature cutout	120°C Pre-set							
Width (mm)	470	620	720	920				
Depth (mm)	370	370	370	370				
Height (mm)	193	243	343	443				

#### **Modular T Smart**

#### Top connected Air Handling Unit

#### Highlights

- > Duct connections are located at the top, reducing the unit's footorint
- > Low power consumption and low SFP (Specific Fan Power) for a very efficient unit operation
- Superior IAQ level: up to three stage filtration on supply side (more than the 90% of PM1 is removed from outdoor air)
- > Plug&Play control solution, for a quick and easy start-up
- $\,>\,$  Very compact unit, starting from 550 mm width, for an air flow up to 1,100 m³/h
- DX coil integration for a unique Daikin fresh air package available for connection to VRV or ERQ



An excellent IAQ improves people's performance and well-being, and decreases risk factors for various diseases. Modular T satisfies the ventilation and filtration needs of the indoor environment, guaranteeing an outstanding level of IAQ.

#### The future of ventilation

The Modular T, with its unique features, represents the latest product developed by Daikin for fresh air treatment and not only. Thanks to its optimized design, it can be easily transported and installed into new projects or existing buildings.



More details and final information can be found by scanning or clicking the QR codes.



#### Technical details

MODULAR T Pro & Smart	Size (1)	03	04	05	06	07
Airflow	m³/h	800	1,650	2,300	2,700	3,900
HE Thermal efficiency (2)	%	89.3	88.3	85.1	85.5	90.8
External static pressure	Pa			100		
Current	Α	1.70	3.39	4.61	5.17	7.87
Power input	kW	0.39	0.78	1.06	1.19	1.81
SFPv (2)	kW/m³/s	1.47	1.5	1.49	1.41	1.5
	Phase (ph)			1		
Electrical supply	Frequency (Hz)	50/60				
	Voltage (V)			220/240 Vac		
	Width (mm)	550		790		890
Main unit Dimensions	Height (3) (mm)	1,6	00	1,900	1,850	2,050
	Length (mm)	1,580	1,650	2,170 (4)	2,620 (5)	2,950 (5)
Circular duct flange	Diameter (mm)	255	315	355	400	500
Unit sound power level	dBA	57	52	5	5	58
Unit sound pressure level (6)	dBA	50	45	4	8	51
Weight unit	Kg	200	250	400	500	620

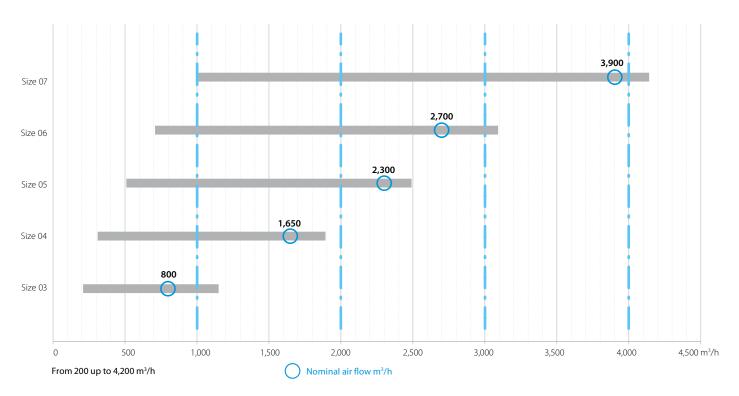
(1) All size available in Smart or Pro version and right or left handing | (2) Outdoor condition: -5°C, 90% Indoor condition: 25°C, 50% | (3) Including feet and duct connections | (4) Size 05 is provided in two sections | (5) Size 06 and 07 are provided in three sections | (6) Simple source reference value at 1 meter, directivity factor Q=4 (quarter sphere) and non-reverberant field. Allowances on declared values: +/- 3dB

#### Air flow range

Modular T is available in 5 sizes covering a wide range of applications such as hotels, offices, schools, gyms and light commercial buildings.

#### Sectioning

To ensure an easy and quick installation Modular T size 05 will be provided in two sections, while size 06 and 07 in three sections to pass smoothly through standard doors¹.



1. Please refer to technical data table at page 6 for more details



#### Marketing tools

- Watch the explanation of VAM range, its USPs from our Indoor Air Quality Seminar www.youtube.com/daikineurope
- > Watch the Modular L promotional video on www.youtube.com/daikineurope
- > Watch the Modular T promotional video: www.youtube.com/daikineurope
- Download our brochure on Commercial Ventilation from my.daikin.eu
- > Get access to our selection tool bim.daikin.eu to find your ventilation unit in a few click.
- > Download our app or refer to the selection tool above.

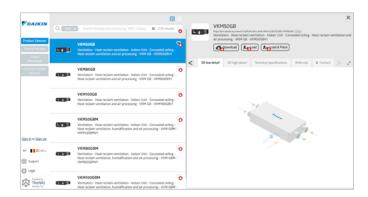




> Consult the "Argue Card" document to support in promoting the Modular L range (available on request)

#### **BIM** models

> Get the VAM, Modular L and T BIM tools on bim.daikin.eu





#### Benefits for the installer

#### Plug and play design

- Pre-programmed and factory-tested controls for an easier and fast commissioning
- Lightweight, low height and small footprint units
- Easy access for servicing

#### Benefits for the consultant

#### **Quick selection tool**

- In-house developed web software with improved user interface and preset parameters ensure that you can always find the optimum and most energy efficient product for your application
- Interconnection with other product groups

   (e.g. automatic introduction of ventilation selection into
   a VRV Web Xpress selection)
- Extremely flexible design

#### **BIM models**

 BIM models are available and can be downloaded with just a few clicks

#### Benefits for the end user

#### **Best comfort**

- Wide range of units to control fresh air and humidity
- Wide range of optional filters to suit the application available up to ePM1 80% (F9)
- Special paper heat exchanger recovers heat and moisture from extract air to warm up and humidify fresh air to comfortable levels (VAM, VKM)

#### Easy control and visualization

- Wide and easy functionality with the use of Madoka remote controllers
- Possibility to visualize the CO<sub>2</sub> concentration (with combination of VAM-J8 unit/BRYMA sensor/Madoka remote controller)

# Supporting tools, software and apps

https://my.daikin.eu/denv/ en\_US/home/sales/ ventilation-software.html

#### Web based selection tools dedicated to the Daikin ventilation portfolio

#### **Ventilation Web Xpress**

Selection tool for ventilation devices (VAM (+EKVDX) and VKM). The selection is based on given supply/extract airflows (including fresh up and given ESP of supply/extract ducting:

- > Easy calculation of fresh air per person or per area
- > Visualisation of psychrometric chart
- > Visualisation of selected configuration
- > Required field settings mentioned in the report

#### ASTRA Web

- Quick Modular L/T selection that will save you precious time, drastically reducing selection time through the ASTRA software interface.
- Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
- > High selection quality, thanks to the intelligence embedded within the software core.

#### VRV Xpress integrates seamlessly with our ventilation selection software

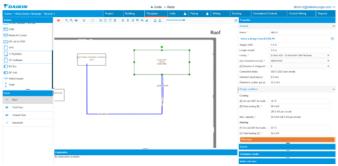
- The ventilation selection meant for a VRV project can be initiated directly from VRV Web Xpress.
- The selected ventilation products -either on Ventilation Web Xpress or ASTRA- can be introduced into the VRV selection on VRV Web Xpress.
- > Integration of ventilation selection into 2D Floorplan.













#### Why choose Daikin air handling units?

- > Maximum energy efficiency and indoor air quality
- > Wide range of functions and options
- > High quality components
- > **Innovative** technology: Unique features and state of the art technology for short payback
- > Operation efficiency and energy savings
- > Outstanding reliability and performance
- Various applications are possible including air conditioning applications, industry-type process cooling, and large-scale district heat source systems
- > Plug and play concept for easy installation and commissioning
- > Unique Daikin fresh air package available for connection of AHU to VRV or ERQ

#### Certifications

- > Eurovent certified performances
- > Exceeding 2018 ErP ECODESIGN requirements
- Certified according to the Hygiene Directive VDI 6022 (Modular L and Professional ranges)
- Certified according to the Hygiene Directive DIN 1946 (Professional range)
- > RLT certified performances







# The unique quality of Daikin AHU is accomplished by:

#### Panels |

- > The outer panel is Pre-painted with Corrosion Class RC5
- > The inner panel is made of Aluzinc with Corrosion Class RC4

#### Gasket

Liquid gasket technology drastically reduces unit air leakage

#### Frame

- All anodized aluminium which has the highest corrosior resistance compared to natural aluminium
- Unique Daikin thermal break (35 mm or 27 mm thermal break). Polyamide bars design to enhance thermal break unit performances
- Distinctive Section to section thermal break profile to ensure thermal break design on the whole unit
- > Rounded profile for increased ease of cleaning

#### IAC

- > Flush internal surface and rounded corner flush surface to avoid the retention of dirt and to be easily cleanable
- Wide filtration possibility to reduce pollution

#### **Plug & Play Controls**

- Pre-commissioned and Factory-tested control for quicker or site commissioning
- Sole manufacturer to provide a complete AHU DX solution from a single manufacturer available for connection of AHU to VRV or FRO (everything factory-mounted)



#### D-AHU MODULAR R

Pre configured unit with side connection and rotary heat exchanger (sensible or sorption)



#### D-AHU MODULAR P

Pre configured unit with side connection and aluminium counter flow plate heat exchanger



#### D-AHU PROFESSIONAL

Fully customize solution to meet all projects demand

For more information on Modular R/P and Professional please refer to the Air Handling Unit section



# Why use DX outdoor units with Air Handling Units?



#### High comfort levels

- Rapid response of supply air temperature to changing loads, results in a steady indoor temperature
- VRV offers the ultimate comfort thanks to continuous heating, also during defrost

#### Low carbon footprint and operating costs

- DX heat pumps are highly efficient inverter units using a lower GWP refrigerant
- By integrating a VRV heat recovery system, excess heat from rooms in cooling can be reused to heat up incoming fresh air

#### Easy design, all components integrated

A DX system is an all-in-one system, no boilers, tanks or pumps are needed reducing the total investment cost

#### One-stop shop, Daikin's fresh air package

- A plug & play package with a Daikin DX outdoor unit and Daikin Air Handling Unit
- One point of contact for the design, installation and commissioning, streamlining the process

#### Total solution operation example



Fresh air AHU connected to VRV outdoor unit: The AHU takes care of the heat loads of fresh air securing air supply at 21°C.

VRV system with indoor units only take care of comfort cooling (or heating) and the indoor heat loads (lighting, people, machines, sun radiation, etc)

# Daikin Air Handling Unit kits for connection to DX outdoor units

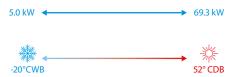
#### R-32

#### **NEW** Expansion valve kits

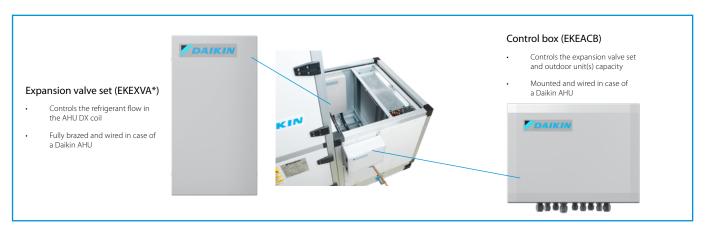
- 3 new capacities (300,350,400) offer a complete range of expansion valve kits from 5 to 69.3kW
- > Improved flexibility thanks to combination ratio from 65% up to 110%
- > Unified range connectable both to R-32 and R-410A systems
- > Can be used in the most extreme outdoor conditions, down to -20°C
- > Fully compliant to IEC60335-2-40, thanks to Shîrudo Technology

#### **NEW** Control box

- Complete offer of 5 control possibilities
  - > Daikin integrated or third-party controller
  - > Control of return air or fresh air supply temperature
- > All control methods unified in one box
- > Hinged door for easy servicing







#### Specifications

#### EKEA - Expansion valve kit

Ventilation		ı	EKEXVA	50	63	80	100	120	140	200	250	300	350	400	450	500
Dimensions	Unit		mm		404x217x80.5											
Weight	Unit		kg		2.9											
Operation range	On coil	Heating Min.	°CDB							10.0						
	temperature	Cooling Max.	°CDB							35.0						
Ambient installation	Min.		°CDB							-20.0						
conditions	Max		°CDB							52.0						
Sound pressure	Cooling	Nom.	dBA	36.5	37.5	38.6	39.5	40.5	41.1	42.5	43.5	44.3	45.1	45.6	46.1	46.5
level	Nom.		dBA	24.8	25.8	26.8	27.8	28.8	29.4	30.8	31.8	32.5	33.3	33.8	34.3	34.8
Refrigerant	Type / GW	Р							R-32 / 675	R-410	A / 2,087.5					
Piping	Liquid	Type	mm					Braze co	nnection	only liqu	id line co	nnected)				
connections		OD	mm		6.35				9.52					12.7		

#### **EKEACB - Control box**

			EKEACB	****
Layout			Pair   Multi   Mix	
Dimensions	Unit	mm	300x400x150	
Weight	Unit	kg	5.1	
Ambient installation	n Min	°CDB	-20	
conditions	Max	°CDB	52	
Power supply	Phase		1~	
	Frequency	Hz	50/60	
	Voltage	V	220-240/220	

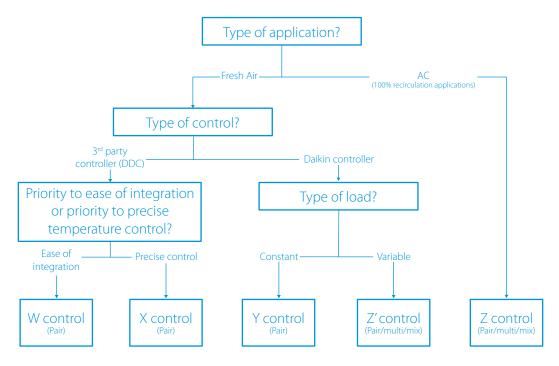
Click more information on **EKEA** or **EKEXVA** outdoor units

## Air Handling Unit kits - Control possibilities

Every application is different.

Is there a constant load or not, how to control your temperature and which controls are available? With our complete offering of 5 control possibilities, anything is possible.

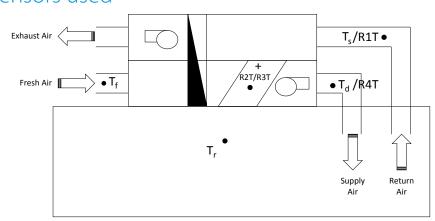
#### Flow chart to select your control type



Control type benefits	Sensor Used	Controller
<ul> <li>W control – control of supply or return air temperature</li> <li>Responds to load variation (capacity is changed as a function of measured temperature, but slower than X- control)</li> <li>Air temperature control</li> <li>Easy to integrate, as no additional programming is needed for most standard AHU controllers</li> </ul>	Td, Ts/f or Tr (field supplied)	External controller (DDC) using a proportional 0~10 V signal for capacity control (5 steps)
<ul> <li>X control – control of supply or return air temperature</li> <li>Fastest response to load variation (capacity is immediately changed as a function of measured temperature)</li> <li>Precise air temperature control</li> <li>Ideal for comfort sensitive applications. This is also used by default in Daikin AHU controls</li> </ul>	Td, Ts/f or Tr (field supplied)	External controller (DDC) using a proportional 0~10 V signal for capacity control (Stepless)
Y control – control of evaporating/condensing temperature  Cost effective and simple solution, no additional DDC controller required  Fixed evaporating/condensing temperature, no direct temperature control  Ideal for applications with a constant cooling/heating load	R2T/R3T (Daikin supplied)	<b>3<sup>rd</sup> party thermostat</b> (Daikin controller for field settings)



#### Sensors used



#### Legend

 $\boldsymbol{T}_{_{\! d}}\!:\!$  discharge (supply) air temperature

T<sub>s</sub>: suction (return) air temperature

T<sub>f</sub>: fresh air temperature

T<sub>r</sub>: room air temperature

R2T/R3T: Refrigerant (liquid/gas line) temperature

Control type benefits	Sensor Used	Controller
<ul> <li>Z' control – control of supply air temperature</li> <li>Cost efficient and simple solution, no additional DDC controller required</li> <li>You can combine VRV indoor units and AHUs in one system or connect several AHUs to 1 outdoor unit</li> <li>Ideal for pre-conditioning of fresh air via Td temperature control</li> <li>Less accurate room temperature control compared to X/W/Z control</li> </ul>	R4T (Daikin supplied)	Daikin controller (set point can be set via field setting)
<ul> <li>Z control – return air temperature control</li> <li>Cost efficient and simple solution, no additional DDC controller required</li> <li>You can combine VRV indoor units and AHUs in one system or connect several AHUs to 1 outdoor unit</li> <li>Ideal for AHU's that operate at 100% recirculation like indoor units or if no particular supply temperature required</li> <li>No supply temperature control</li> </ul>	R1T (Daikin supplied)	Daikin controller (set point can be set via remocon or via C1C2)

### Air Handling Unit kits – Layout possibilities

With our wide capacity range and different control options, a variety of layout possibilities to match your application:

- > Pair layout: one or more outdoor units combined with 1 air handling unit
- > Multi layout: one outdoor unit combined with multiple air handling units
- > Mix layout: one outdoor unit combined with an air handling unit AND indoor units

#### Pair layout

#### **One** ERQ or VRV **heat pump** (system) connected to **one** AHU through **one** refrigerant **circuit**

- > with W, X, Y, Z, Z' control
- > not allowed for VRV H/R



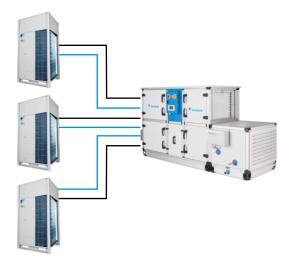
#### One VRV heat pump (system) connected to the interlaced coil of one AHU through several refrigerant circuits

- > with W, X, Y control
- > not allowed for VRV H/R and VRV-i



#### **Several** ERQ or VRV **heat pumps** connected to the **interlaced coil** of one AHU through **several** refrigerant **circuits**

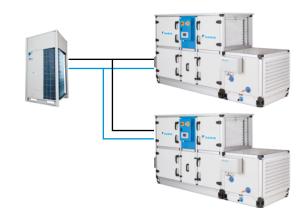
- > with W, X, Y control
- > not allowed for VRV H/R and VRV-i



#### Multi layout

#### One VRV heat pump connected to several AHUs

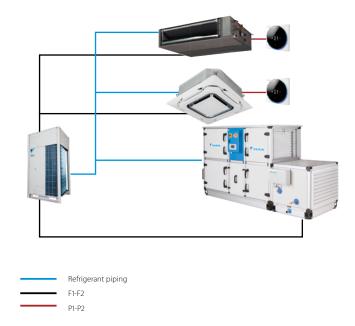
- > with Z, Z' control and field supplied controls on AHU side.
- > not allowed for VRV H/R
- > no interlaced coil possible



#### Mix layout

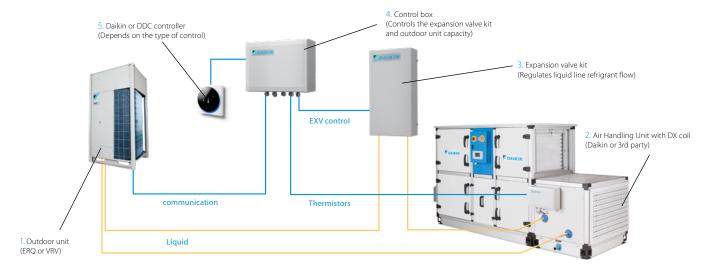
#### VRV indoor units and AHU(s) mixed in the same VRV heat pump or heat recovery system

- > with Z, Z' control and field supplied controls on AHU side
- > no interlaced coil possible
- > hydrobox not possible





#### Main components with detailed piping and wiring principle



#### Detailed combination table

D	Outdoor Unit	Control box					Expa	ansion v	alve kit	s EKEX\	/A***				
Range	Outdoor Unit	EKEACBVE	50	63	80	100	125	140	200	250	300	350	400	450	500
	ERQ100A7V1B	Р	-	Р	Р	Р	Р	-	-	-	-	-	-	-	-
	ERQ125A7V1B	Р	-	Р	Р	Р	Р	Р	-	-	-	-	-	-	-
ERQ	ERQ140A7V1B	Р	-	-	Р	Р	Р	Р	-	-	-	-	-	-	-
-	ERQ125A7W1B	Р	-	- P P P				Р	-	-	-	-	-	-	-
	ERQ200A7W1B	Р	-	-	-	Р	Р	Р	Р	Р	-	-	-	-	-
	ERQ250A7W1B	Р	-	-	-	-	Р	Р	Р	Р	-	-	-	-	-
VRV IV	RWEYQ (H/P))	P/M	Mix: CR < 110% and 50% < IU CR < 110%												
	H/P (RYYQ, RXYQ, RXYSQ, RXYTQ, RXYLQ, RXYS(C)Q,	P/M	Pair and multi: 65% <sup>(1)</sup> < CR < 110%												
VRŸ IV+	VRV-i (RKXYQ)	P <sup>(2)</sup> /M	Pair and multi: 65% <sup>(1)</sup> < CR < 110% Mix: CR < 110% and 50% < IU CR < 110%												
<i>313 I</i> 1	H/R (REYQ, RWEYQ (H/R))	<b>M</b> <sup>(3)</sup>	Multi <sup>(3)</sup> : 65%(1) < CR < 110% Mix: CR < 110% and 50% < IU CR < 110%												
11311 [7	H/P (RXYSA, RXYA)	P/M				N		nd mul < 110% a				%			
	H/R REYA	M <sup>(3)</sup>				N		ulti <sup>(3)</sup> : 6: < 110% :				%			

P: Pair layout - One or more outdoor units connected to an (interlaced) coil of one AHU.

 $M: \ Mix\ or\ multi \ layout\ -\ Combination\ of\ (multiple)\ AHU(s)\ with\ (mix\ combination)\ or\ without\ (multi\ combination)\ VRV\ DX\ indoor(s).\ Only\ Z\ or\ Z'\ control\ possible\ (no\ interlaced\ coils).$ 

<sup>(1):</sup> For 65%<CR<75% please refer to the specifically required coil size

<sup>(2):</sup> Only Z or Z' control possible (no interlaced coils)

<sup>(3):</sup> Technically is possible to connect H/R in pair combination, but there's no benefit to do it



### Daikin Fresh Air package

#### What is included?

- > A plug & play package with a Daikin DX outdoor unit and Daikin Air Handling Unit
- > Factory fitted and welded DX coil, expansion valve kit and control box



#### Simplified business

- > Unique total solution approach of heating, cooling and ventilation
- Off-the-shelf compatibility between Daikin outdoor unit and Daikin AHU
- > Plug&play control for outstanding reliability
- > Peace-of-mind thanks to a single point of contact

#### Simple selection in 2-steps





Add the AHU design in Xpress (including capacity, dimensions, refrigerant connection location,...)

#### Complete range of possibilities



- D-AHU Professional
- D-AHU Modular R
- D-AHU Modular P

- Infinite variable sizes
- > Tailored to the individual customer
- > Pre-configured sizes
- Plug and play concept
- > EC Fan technology
- Heat recovery wheel (sorption and sensible technology)
- Comact design
- > Pre-configured sizes
- > Plug and play concept
- EC Fan technology
- High efficiency aluminium counter flow PHE
- Comact design

## Integration with 3<sup>rd</sup> party Air Handling Units

Also for the integration with 3<sup>rd</sup> party AHU's Daikin provides expert support for the design and installation.

#### Selection of the expansion valve kit – Fresh air application

- > Define the required heating/cooling load of your project
- > Define 3rd party AHU heat exchanger capacity
- > Use the Xpress selection software or the below table to select the correct expansion valve kit
- > The 3rd party AHU design should respect the allowed heat exchanger volume
- > Xpress selection software will select the correct outdoor unit at the design ambient temperatures.

Coo	ling						* Hea	ting							
FVFVVA	Allo	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)				wed heat exch capacity (kW		,	Allowed heat exchanger volume (dm³)			
EKEXVA Class				-	Minimum	Maximum	Class					Minimum	Maximum		
Ciuss	Minimum	Nominal	Maximum	General Limits	(65% <cr<75%) Only for pair and multi layout</cr<75%) 	Maximum	Cluss	Minimum	Nominal	Maximum	General Limits	(65% <cr<75%) Only for pair and multi layout</cr<75%) 	Maximum		
50	5.0	5.6	6.2	0.95	1.09	1.65	50	5.6	6.3	7.0	0.95	1.09	1.65		
63	6.3	7.1	7.8	1.02	1.18	2.08	63	7.1	8.0	8.8	1.02	1.18	2.08		
80	7.9	9.0	9.9	1.42	1.64	2.64	80	8.9	10.0	11.1	1.42	1.64	2.64		
100	10.0	11.2	12.3	1.51	1.74	3.30	100	11.2	12.5	13.8	1.51	1.74	3.30		
125	12.4	14.0	15.4	1.98	2.29	4.12	125	13.9	16.0	17.3	1.98	2.29	4.12		
140	15.5	16.0	17.6	2.54	2.94	4.62	140	17.4	18.0	19.8	2.54	2.94	4.62		
200	17.7	22.4	24.6	3.02	3.49	6.60	200	19.9	25.0	27.7	3.02	3.49	6.60		
250	24.7	28.0	30.8	3.97	4.58	8.25	250	27.8	31.5	34.7	3.97	4.58	8.25		
V 300	30.9	33.5	36.9	4.53	5.25	9.9	NEW 300	34.8	37.5	41.5	4.53	5.23	9.9		
V 350	37.0	40.0	44.0	5.48	6.32	11.55	NEW 350	41.6	45.0	49.5	5.48	6.32	11.55		
400	44.1	45.0	49.5	6.04	6.97	13.2	400	49.6	50.0	55.7	6.04	6.97	13.2		
V 450	49.6	50.4	55.4	6.99	8.07	14.5	NEW 450	55.8	56.5	62.4	6.99	8.07	14.85		
500	55.5	56.0	61.6	7.55	8.72	16.5	500	62.5	63.0	69.3	7.55	8.72	16.5		

Saturated evaporating temperature: +6°C Air temperature: +27°C DB / +19°C WB Saturated evaporating temperature: +46°C Air temperature: +20°C DB

#### Selection of the expansion valve kit - Recirculation application

- > Define the required heating/cooling load of your project
- Use the Xpress selection software or the below table to select the correct expansion valve, following the procedure used as for standard VRV indoor units
- > The 3rd party AHU design should respect the allowed heat exchanger volume
- > Xpress selection software will select the correct outdoor unit at the design ambient temperatures

Cooli	ing							# Heati	ing							
			On-co	il air temperat	ure [°C]				On-coil air temperature [°C]							
EKEXVA	14WB	16WB	18WB	19WB	20WB	22WB	24WB	EKEXVA	10.0	16.0	18.0	20.0	21.0	22.0	24.0	
Class	20DB	23DB	26DB	27DB	28DB	30DB	32DB	Class	10.0	10.0	10.0	20.0	21.0	22.0	24.0	
	kW	kW	kW	kW	kW	kW	kW		kW kW		kW	kW	kW	kW	kW	
50	3.8	4.5	5.2	5.6	5.9	6.0	6.2	50	6.6	6.6	6.6	6.3	6.1	5.9	5.5	
63	4.8	5.7	6.6	7.1	7.5	7.7	7.8	63	8.4	8.4	8.4	8.0	7.7	7.5	7.0	
80	6.1	7.2	8.4	9.0	9.5	9.7	9.9	80	10.5	10.5	10.5	10.0	9.7	9.4	8.7	
100	7.6	9.0	10.5	11.2	11.8	12.1	12.3	100	13.1	13.1	13.1	12.5	12.1	11.7	10.9	
125	9.5	11.3	13.1	14.0	14.8	15.1	15.4	125	16.8	16.8	16.8	16.0	15.5	15.0	13.9	
140	10.8	12.9	15.0	16.0	16.9	17.3	17.6	140	18.9	18.9	18.9	18.0	17.4	16.8	15.7	
200	15.1	18.0	21.0	22.4	23.6	24.2	24.6	200	26.2	26.2	26.2	25.0	24.2	23.4	21.8	
250	18.9	22.5	26.2	28.0	29.5	30.2	30.8	250	33.1	33.1	33.1	31.5	30.5	29.5	27.5	
W 300	22.6	26.9	31.3	33.5	35.3	36.1	36.9	NEW 300	39.4	39.4	39.4	37.5	36.3	35.1	32.7	
W 350	27.0	32.2	37.4	40.0	42.1	43.1	44.0	NEW 350	47.2	47.2	47.2	45.0	43.6	42.1	39.2	
400	30.4	36.2	42.1	45.0	47.4	48.5	49.5	400	52.4	52.4	52.4	50.0	48.4	46.8	43.6	
W 450	34.0	40.5	47.2	50.4	53.1	54.3	55.4	NEW 450	59.2	59.2	59.2	56.5	54.7	52.9	49.3	
500	37.8	45.0	52.4	56.0	59.0	60.4	61.6	500	66.0	66.0	66.0	63.0	61.0	59.0	54.9	



# Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

- > For areas where additional, extra high, filtration performance is needed.
- > Airflow rate up to 2,000 m<sup>3</sup>/h
- > HEPA H14 filter in accordance with EN1822
- > Pre-filter options up to ISO Coarse 70%
- > Insulated double-wall construction provides whisper-quiet operation down to 35 dB(A)
- > Easy installation, operation, and maintenance in a totally self-contained system
- → For commercial areas up to 200m²





#### Models

Model	BR00000554	BR00000749	BR00000676	BR00000751	
Plug type	EU	UK	EU	UK	
HEPA Filter (H14)	·		<b>✓</b>		
LCD Screen			٧		
Activ. Carbon (Gas phase) pre-filter			٧		

#### Providing high-efficiency 2-stage filtration

#### Standard prefilter

All units are delivered with a prefilter, increasing filter life and protecting the installed HEPA filter

#### RedPleat - 4531002424

- > Delivered with BR00000554/749
- > ISO 16890: ISO coarse 70%
- Available with Antimicrobial treated media (RedPleat ULTRA)



#### RedPleat Carb - 4139002424

- > Delivered with BR00000676/751
- > ISO 16890: ISO coarse 65%
- > Effectively removes offensive odors

#### Main filter

The HEPA filter features eFRM filtration media which combines ultra-high efficiency and particulate loading to remove 99.99% of dust, pollen, mold, bacteria, viruses, and any airborne particle with a size of 0.3 microns or greater.

#### AstroCel III - 1493299990

- > H14 filtration efficiency according EN 1822
- > V-shaped filter configuration, combined with microglass media, delivers higher flow and the lowest possible pressure drop vs traditional box style HEPA filters
- > Compatible with Discrete Particle Counter (DPC) and photometric test methods as access and instrumentation allow









Universities



Commercial Buildings



Healthcare



Hospitality



Shops and Shopping malls

# Astropure 2000, Air Purifier for Commercial Applications

Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

- > Airflow rate up to 2,000 m<sup>3</sup>/h
- > HEPA H14 filter in accordance with EN1822
- > Optional touch sensitive LCD Display (BR00000676/751)
- Insulated double-wall construction provides whisper-quiet operation
- > Activated carbon filter
- > Sliding tray design provides easy access and servicing of filters
- > Designed with internal variable fan speed (electronically commutated) to meet specific application requirements
- > Suitable for in-room use or sheltered outdoor installation
- > CE-compliance, VDI 6022 guided design



More details and final information can be found by scanning or clicking the QR codes.



RP00000554



BR00000676

Ventilation				BR00000554	BR00000749	BR0000676	BR00000751			
	Plug type			EU	UK	EU	UK			
	HEPA Filter (H14)			•		,				
Features	LCD Screen					✓				
	Activ. Carbon (Gas	ohase) pre-filter			✓					
Design air flow rat	te		m³/h	2,000						
Application				Floor standing type						
Casing	Colour				Painted galva	nized steel finish				
Dimensions	Unit	HxWxD	mm		1,628x	720x770				
Weight	Unit		kg		150 (depend	ing on version)				
Pre-filter	Dust collecting method			Prefilter RedPlea	t, ISO Coarse 70%		SO Coarse 65% gas phase ter			
HEPA filter	Bacteria filtering method				Astrocel	III HEPA H14				
Air purifying operation	Power input	High fan speed	kW		0	.379				
Sound pressure level	Air purifying operation	High fan speed	dBA		5	55.9				
Fan Motor					Stepless	adjustable				
Safety devices	ltem			Sat	ety switch (operation sto	os when the back door is op	en)			
Standard	Prefilter					1				
Accessories	HEPA filter					1				
	Quick Start and Ma	intenance Guide				1				
	Installation and Op	eration Manual			1 (do	vnload)				
Power cord			m			3				
Power supply	Phase					1~				
	Frequency		Hz		50	0/60				
	Voltage		V		2	230				
Running current	Air purifying operation	High fan speed	А		1	1.73				

#### Options - Ventilation

					Energy re	covery ventila	tion - VAM			
		VAM 150FC9	VAM 250FC9	VAM 350J8	VAM 500J8	VAM 650J8	VAM 800J8	VAM 1000J8	VAM 1500J8	VAM 2000J8
2	BRC301B61 VAM wired remote control	•	•	•	•	•	•	•	•	•
Individual control systems	Madoka BRC1H52W (White) / BRC1H52S (Silver) / BRC1H52K (Black) User-friendly wired remote controller with premium design	•	•	•	•	•	•	•	•	•
ividual co	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•	•	•	•
	BRC1D52 Standard wired remote control with weekly timer	•	•	•	•	•	•	•	•	•
ıtrol	DCC601A51 intelligent Tablet Controller	•	•	•	•	•	•	•	•	•
Centralised control systems	DCS601C51 intelligent Touch Controller	•	•	•	•	•	•	•	•	•
alise syst	DCS302C51 Central remote control	•	•	•	•	•	•	•	•	•
Centr	DCS301B51 Unified ON/OFF control	•	•	•	•	•	•	•	•	•
	DCM601A51	•	•	•	•		•	•		
t System nterface	intelligent Touch Manager  DGE601A51  Edge adapter for connection to Daikin Cloud Plus	•	•	•	•	•	•	•	•	•
Building Management System & Standard protocol interface	DGE602A51 Edge lite adapter for connection to Daikin Cloud Plus	•	•	•	•	•	•	•	•	•
Man	EKMBDXB Modbus interface	•	•	•	•	•	•	•	•	•
ding	DMS502A51 BACnet Interface	•	•	•	•	•	•	•	•	•
Buil & Si	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•	•	•
	Coarse 55% (G4)									
	ePM10 75% (M5)									
	ePM10 70% (M6)			EKAFVJ50F6	EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6x2
	ePM1 50% (F7)									
Filters	ePM1 60% (F7)			EKAFVJ50F7	EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7x2	EKAFVJ100F7x2
	ePM <sub>1</sub> 70% (F8)			EKAFVJ50F8	EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2
	ePM1 80% (F9)									
	High efficiency filter									
	Replacement air filter									
ical	Rail									
<b>Mechanical</b> accessories	Rectangular to round duct transition									
Me	Separate plenum								EKPLEN200 (5)	EKPLEN200 (5)
CO <sub>2</sub> sensor				BRYMA65	BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200
Electrical	neater for pre treatment of fresh air	GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA20024	GSIEKA25030	GSIEKA25030	GSIEKA25030	GSIEKA	35530 (6)
DX coil for	post treatment of fresh air				EKVDX32A	EKVDX50A	EKVDX50A	EKVDX80A	EKVDX100A	EKVDX100A
Silencer (9	00mm depth)									
ories	Wiring adapter for external monitoring/ control (controls 1 entire system)  Adapter PCB for humidifier	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)
cessc	Adapter PCB for third party heater	BRP4A50A	BRP4A50A	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)
:al ac	External wired temperature sensor									
Electrical accessories	Adapter PCB Mounting plate	EKMP25VAM	EKMP25VAM			EKMP65VAM			EKM	IPVAM
Ĕ	Installation box for adaptor PCB	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101
Notes	· ·			I						

Votes

<sup>(1)</sup> Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, ...; (intelligent Touch Manager, EKMBDXA are allowed)

<sup>(2)</sup> Installation box needed

<sup>(3)</sup> Adapter PCB mounting plate needed, applicable model can be found in the table above

VKM SGEM         VKM SGEM         VKM SGEM         EXECUT)           .         .         .         .           .		Energy recovery ventilation VKM		Air handling unit applications
	VKM 50GBM	VKM 80GBM	VKM 100GBM	EKEACB (1)
**************************************	•	•	•	•
**************************************				
	•	•	•	
• • • • • • • • • • • • • • • • • • •	•	•	•	
	•	•	•	
*	•	•	•	
* * * * * * * * * * * * * * * * * * *	•	•	•	
* * * * * * * * * * * * * * * * * * *	•	•	•	
* * * * * * * * * * * * * * * * * * *	•	•	•	•
● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	•	•	•	•
• • • • • • • • • • • • • • • • • • •	•	•	•	•
BEYNAMAS BEYNAMOD BEYNAMOD CORRAZOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(I) BEYNAMOLA(II) BEYNAMOLA(II) BEYNAMOLA(II) BEYNAMOLA(III) BEYNAMOLA(III) BEYNAMOLA(III) BEYNAMOLA(IIII) BEYNAMOLA(IIIII) BEYNAMOLA(IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	•	•	•	•
KA724980M   KA7249900M   KA72	•	•	•	
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KRCS01-1	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)	
KHCS01-1				NDCCO11
				NNC-SUI-I

<sup>(4) 3</sup>rd party heater and 3rd party humidifier cannot be combined

<sup>(5)</sup> Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)

<sup>(6)</sup> Available only with optional plenum

<sup>(7)</sup> To be combined with option BRP4A50A using external 230VAC with local supplied circuit breaker (max. 3A)

#### Options - Ventilation

Accessaries				lar L Pro							
Accessories	ALB02LB ALB02RB	ALB03LB ALB03RB	ALB04LB ALB04RB	ALB05LB ALB05RB	ALB06LB ALB06RB	ALB07LB ALB07RB				ATB06RA ATB06LA	ATB07RA ATB07LA
lso Coarse 55% (G4) Filter	ALF02G4A	ALF03G4A	ALFC	05G4A	ALF0	07G4A	ATF03G4A	ATF04G4A	ATF05G4A	ATF06G4A	ATF07G4A
ePM10 75% (M5) Filter	ALF02M5A	ALF03M5A	ALF0	05M5A	ALF0	07M5A	ATF03M5A	ATF04M5A	ATF05M5A	ATF06M5A	ATF07M5A
ePM1 50% (F7) Filter	ALF02F7A	ALF03F7A	ALFC	05F7A	ALFC	07F7A	ATF03F7A	ATF04F7A	ATF05F7A	ATF06F7A	ATF07F7A
ePM1 80% (F9) Filter	ALF02F9A	ALF03F9A	ALFO	05F9A	ALFC	07F9A	ATF03F9A	ATF04F9A	ATF05F9A	ATF06F9A	ATF07F9A
Sound attenuator	ALS0290A	ALS0390A	ALSC	0590A	ALS0790A		ATS0360A	ATS0460A	ATS0560A	ATS0660A	ATS0760A
Rails for door	ALA02RLA	ALA03RLA	ALAC	05RLA	ALAC	07RLA					
Duct transition	ALA02RCA	ALA03RCA	ALAC	05RCA	ALAC	07RCA					
Mixing damper							ATA03MDA	ATA04MDA	ATA05MDA	ATA06MDA	ATA07MD
External damper							ATA03EDA	ATA04EDA	ATA05EDA	ATA06EDA	ATA07ED
Electric pre heater <sup>1</sup>	ALD02HEFA	ALD03HEFA	ALD0	D5HEFA	ALD0	7HEFA	ATD03HEFAU	ATD04HEFAU	ATD05HEFAU	ATD06HEFAU	ATD07HEFA
Electric post heater 1	ALD02HESA	ALD03HESA	ALD0	D5HESA	ALD0	7HESA	ATD03HESAU	ATD04HESAU	ATD05HESAU	ATD06HESAU	ATD07HESA
		1					ATD03UDSAR	ATD04UDSAR	ATD05UDSAR	ATD06UDSAR	ATD07UDS
DX coil <sup>2</sup>							ATD03UDSAL	ATD04UDSAL	ATD05UDSAL	ATD06UDSAL	ATD07UDS
							ATD03UWSAR	ATD04UWSAR	ATD05UWSAR	ATD06UWSAR	ATD07UWS
WATER coil <sup>2</sup>	ALD02CWSA	ALD03CWSA	ALD05	5CWSA	ALD07	7CWSA	ATD03UWSAL	ATD04UWSAL	ATD05UWSAL	ATD06UWSAL	ATD07UWS
Water pre heating coil	ALD02HWUA	ALD03HWUA	ALD0	5HWUA	ALD07HWUA			ATD04HWFAU			
		1						ATD04HWSAR			
Water post heating coil <sup>2</sup>	ALD02HWUA	ALD03HWUA	ALD05	5HWUA	ALD07HWUA			. ATD04HWSAL			
Water valve 2 way cooling	ALV02CW2A	ALV03CW2A	ALV0:	5CW2A	ALV07CW2A			ATV04CW2A			
Water valve 2 way heating	ALV02HW2A	ALV03HW2A	ALV0.	5HW2A	ALV07	7HW2A	ATV03HW2A	ATV04HW2A	ATV05HW2A	ATV06HW2A	ATV07HW
Water valve 3 way cooling	ALV02CW3A	ALV03CW3A	ALV0f	5CW3A	ALV07	7CW3A	ATV03CW3A	ATV04CW3A	ATV05CW3A	ATV06CW3A	ATV07CW
Water valve 3 way heating	ALV02HW3A	ALV03HW3A	ALV05	5HW3A	ALV07	7HW3A		ATV04HW3A			
Valve modulating actuator				0AMVA					ATE00AMVA		
Damper modulating actuator									ATE00AMDA		
Digital PCB									ATE00DPUA		
Frost switch									ATE00FSUA		
CO, sensor						ALP00COA					
Humidity sensor						ALP00HUA					
Temperature probe						ALP00TEA					
Room Interface					ALC	C00822A (POL	 L 822)				
Commissioning module						C00895A (POL					
Modbus RTU module			ALC00902A (POL 895)  ALC00902A (POL 902)								
Bacnet IP module		ALC00908A (POL 908)									
LonWorks Interface				T		1	,FOL 906)				
Intelligent Touch Manager											
Intelligent Tablet Controller		-				-					
Intelligent Touch Controller		-				-					
		-		-	-						
Central remote control		-		-		-					
Unified ON/OFF control	'	'									

#### Notes

<sup>(1)</sup> For modular T pro only, both electric heater can be used as pre and post heater

<sup>(2)</sup> For modular T pro only, sixth digit on main unit material name has to be aligned with last digit of the coil material name ATB0\*RA --> ATD00\*UDSAR
ATB0\*LA --> ATD00\*UDSAL
ATB0\*RA --> ATD00\*UWSAR
ATB0\*RA --> ATD00\*UWSAR
ATB0\*RA --> ATD00\*UWSAL
ATB0\*RA --> ATD00\*HWSAR
ATB0\*LA --> ATD00\*HWSAR

<sup>(3)</sup> Please refer to the selection software for more details on accessories and their incompatibilities.

		Madula	r L Smart					Modular T Smar	4	
ALB02LBS	ALB03LBS	ALB04LBS	ALB05LBS	ALB06LBS	ALB07LBS	ATB03RAS	ATB04RAS	ATB05RAS	ATB06RAS	ATB07RAS
ALB02RBS	ALB03RBS	ALB04RBS	ALB05RBS	ALB06RBS	ALB07RBS	ATB03LAS	ATB04LAS	ATB05LAS	ATB06LAS	ATB07LAS
ALF02G4A	ALF03G4A		5G4A		07G4A	ATF03G4A	ATF04G4A	ATF05G4A	ATF06G4A	ATF07G4A
ALF02M5A	ALF03M5A	ALF0	5M5A		)7M5A	ATF03M5A	ATF04M5A	ATF05M5A	ATF06M5A	ATF07M5A
ALF02F7A	ALF03F7A	ALFO	)5F7A	ALF	07F7A	ATF03F7A	ATF04F7A	ATF05F7A	ATF06F7A	ATF07F7A
ALF02F9A	ALF03F9A	ALFO	5F9A	ALF	07F9A	ATF03F9A	ATF04F9A	ATF05F9A	ATF06F9A	ATF07F9A
ALS0290A	ALS0390A	ALSO	590A	ALS	0790A	ATS0360A	ATS0460A	ATS0560A	ATS0660A	ATS0760A
ALA02RLA	ALA03RLA	ALAC	5RLA	ALA	07RLA					
ALA02RCA	ALA03RCA	ALAC	5RCA	ALA	07RCA					
ALD02HEFB	ALD03HEFB	ALD0	5HEFB	ALDO	7HEFB	ATD03HEFBU	ATD04HEFBU	ATD05HEFBU	ATD06HEFBU	ATD07HEFBU
					BRYMA200		T	I	I	T
		BR	C301B61 / BRC1H5	2W / BRC1H52S /	BRC1H52K / BRC1	E53A / BRC1E53B /	BRC1E53C / BRC1	D52		
					EKMBDXB					
					DMS502A51					
					DMS504B51					
					DCM601A51					
					DCC6011A51					
					DCC6011C51					
					DCS302C51					
					DCS301B51					



The highest peak in marine technology

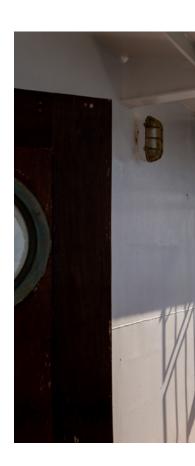
## Marine Industry

The Chiller Technology	60-
The Standard Marine technology	60
The Air Handling and Fan Coil units	60
The DX range	61
The Controller	61



# The Chiller technology

Energy efficient & outstanding reliability "Cooling and heating capacity"



#### **Available Features**

- > Condenser Shell & tube type
- > Cu- or Cu-Ni 90/10 tubing
- > Compact, modular design
- > Anti-vibration features
- > Halogen free cabling & insulation
- > Inverter driven Compressors
- > Low GWP refrigerants

- Operation as a heat pump
- > Stainless steel cable trays
- > Roll & Pitch resistant
- > Power supply 400/440/690V/6,600V & 50/60Hz
- > LRoS, ABS, BV, DNV/GL, classNK, RINA, Solas IMO certified







Hydro Cube Air cooled chiller J Type (screw)



#### Cooling capacity 10 kW to 9.000 kW



VZ Type (single screw)



VZ Type (dual screw)



DWSC Type (single centrifugal)



DWDC Type (dual centrifugal)



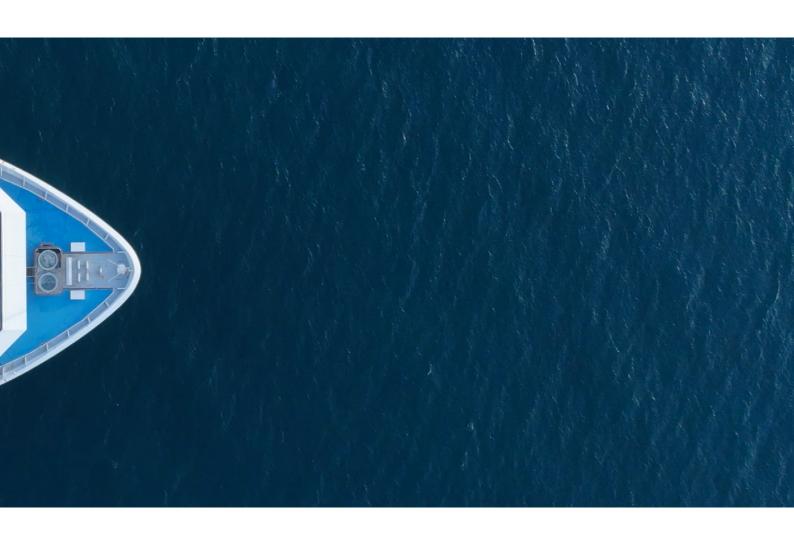
# The Standard Marine Technology

Reliable marine air conditioning

#### **Available Features**

- > Electrical heater
- > 2 or 3 way sea-water-valves
- > Remote Control
- > Increase of external pressure
- > 690V execution
- or other things on demand
- > LRoS, ABS, BV, DNV/GL, classNK, RINA, Solas IMO certified













# The Air Handling and Fan Coil units

Performance You Demand. Quality You Expect.

#### Available Features AHU

- > Electrical heater
- > Various stainless steel surfaces
- > Special coating (plastisol, precoated)
- 3D drip pan
- > Coils Cu, CuNi, stainless titanium
- > Electro fin or heresite coating
- > Up to 65mm wall thickness

- > External pressure up to 2,500Pa
- > 400V / 440V / 690V 50Hz / 60Hz
- > Fully prewired (optional)
- > With automation (optional)
- Optimized component selection (low energy consumption)
- > Comprehensive tested to clients







#### Available Features FCU

- > Special coating
- > Thermostat, build in or remote, wireless or hard-wired
- > Various IP classes
- > Anti vibration features

- > 60 Hz modifications
- > Roll & Pitch modification, drip pan height 35 mm & double outlet
- > ATEX certification
- or on demand











# The DX Range

## Flexible to fit your project



#### Features available on demand

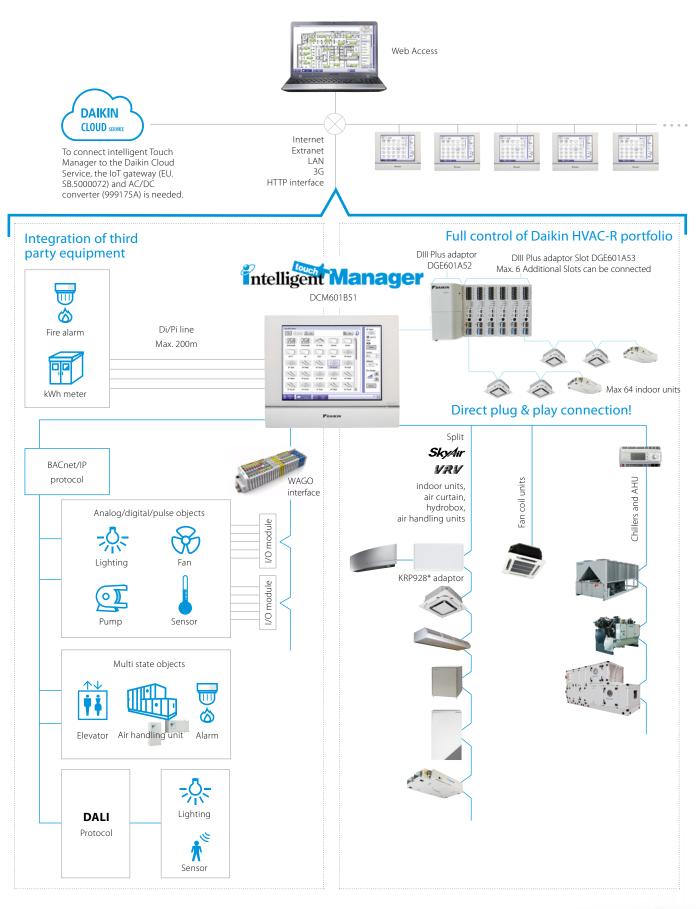
- > Special coating
- > Thermostat, build in or remote
- > Wireless or hard wired
- > Various IP classes
- > Anti vibration features

- > 60 Hz modifications
- > Roll & Pitch modification, drip pan height 35mm & double outlet
- > ATEX certification



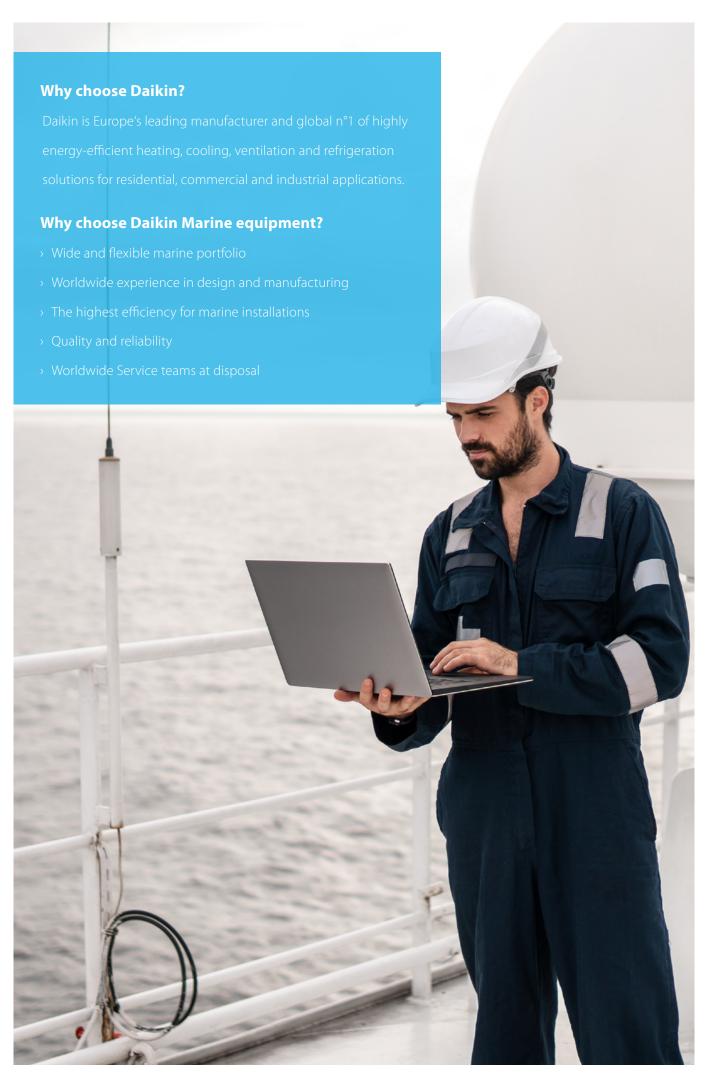
# The Controller













#### Chillers NEW EWAT-B-XRC 669 EWFT-B-SSC NEW 670 NEW EWFT-B-SRC 671 EWFT-B-XSC NEW 672 NEW EWFT-B-XRC 673 Air cooled chillers Heat pump Tools and platforms 674 617 EWYA-DV3P 674 Daikin, the best partner EWYA-DW1P 676 for your green project 618 EWYA-DW1P-H 677 Seasonal efficiency 619 EWYA-DV3P-H 678 EWYT-B-SS/SL 682 Chiller modernisation 620 EWYT-B-SR 683 Reliability and efficiency 622 EWYT-B-XS/XL 684 Why choose Daikin chillers 626 EWYT-B-XR 685 EWYT-CZ I / EWYT-CZ O 686 Products Overview - Air cooled chillers, **EWYD-BZSS** 688 condensing units and Multipurpose units 628 EWYD-BZSL 689 Products Overview -Multipurpose unit 690 Water cooled and condenserless chillers 630 EWYD-4ZXSB2 691 EWYD-4ZXRB2 Air cooled chillers cooling only 633 692 EWAA-DV3P 633 Air cooled condensing unit 694 EWAA-DW1P 634 **ERAD-E-SS** 694 EWAA-DV3P-H 635 **ERAD-E-SL** 695 EWAA-DW1P-H 636 Water cooled chillers 698 **EWAT-CZ** 637 EW(W)(H)(L)T~Q-A 696 EWYT-CZ 640 EWWQ-KC 698 **NEW EWAD-TZBSD** 643 EWHQ-G-SS 700 **NEW EWAD-TZSSD** 644 EWWQ-G-SS 701 **NEW EWAD-TZXSD** 645 EWWQ-L-SS 702 **EWAD-TZXRD** 646 **NEW** EWWD-J-SS 703 **EWAD-TZPSD** 647 **NEW** EWWH-J-SS 704 **NEW EWAD-TZPRD** 648 EWWS-J-SS 705 NEW **EWAH-TZBSD** 649 EWWD-VZ 708 NEW **EWAH-TZSSD** 650 EWWH-VZ 712 **NEW EWAH-TZXSD** 651 EWWS-VZ 716 **NEW EWAH-TZXRD** 652 Condenserless chillers 720 NEW **EWAH-TZPSD** 653 **EWLQ-KC** 720 NEW **EWAH-TZPRD** 654 **EWLQ-G-SS** 721 **NEW EWAS-TZBSD** 655 **EWLQ-L-SS** 722 **NEW EWAS-TZSSD** 656 **EWLD-J-SS** 723 **EWAS-TZXSD** NEW 657 EWLH-J-SS 724 **EWAS-TZXRD NEW** 658 **EWLS-J-SS** 725 **EWAS-TZPSD** 659 **NEW** 726 **EWLD-I-SS EWAS-TZPRD** 660 Water cooled centrifugal chillers 728 EWAT-B-SSB/SLB 662 EWWD-DZ 728 **EWAT-B-SRB** 663 EWWH-DZ 730 EWAT-B-XSB/XLB 664 FWWS-D7 732 EWAT-B-XRB 665 DWSC C Series 734 EWAT-B-SSC **NEW** 666 **DWDC C Series** 735 **NEW EWAT-B-SRC** 667

668

Accessories

**EWAT-B-XSC** 

**NEW** 

736



### A partner of choice

Daikin is Europe's leading manufacturer and global n°1 of highly energy-efficient heating, cooling, ventilation and refrigeration solutions for residential, commercial and industrial applications. Daikin is a leader in using technologies that help preserve the environment, such as those that conserve energy and deliver high reliability to its customers. Daikin's flexible applied systems deliver high efficiency for commercial, institutional and industrial buildings.

# The comfort of reliability

Nobody is really looking for complexity in business. Because complexity often leads to mistakes, delays or losses. Unfortunately, the world we are all doing business in, is sometimes quite complex. When looking for further business development, we all expand our national and international operations. And that doesn't make things easy.

As a small scale business or multinational company, you deserve the best partners. Partners that can take away the headaches and make you feel comfortable again. With Daikin, you have found such a partner. Because Daikin would like things to be easy ... for you.

### Daikin quality

Daikin's much envied quality quite simply stems from the close attention paid to design, production and testing as well as aftersales support. To this end, every component is carefully selected and rigorously tested to verify its contribution to product quality and reliability.

# Staff who understands you

Daikin and its staff of devoted engineers, consultants and analysts are ready to assist you on a daily basis in setting up nationwide or international agreements, providing advice on equipment selection and monitoring regulations. Our goal is to help you carry out your plans with confidence, using custom-designed systems that meet your needs (for comfort, performance levels, support and service).

# Daikin Applied Development Center

Opened in May 2009, the Daikin Applied Development Center is the world's most advanced facility for heating, ventilation and air conditioning (HVAC) research and development. The purpose of the center is to develop and test advanced chiller, compressor and other HVAC technologies to reduce energy consumption and, ultimately the carbon footprint of the buildings where they will be used.

Find out more about the Daikin Applied Europe in the video below:







# Witness Testing Chiller testing facilities Daikin Applied Europe

We are industry leaders in air cooled and water cooled chiller technologies. Our performance in each condition can be shared through witness tests. During witness testing even the toughest design conditions can be simulated. Customers and consultants can appreciate product performance before its delivery, ensuring "peace of mind" chiller integration in the whole project.

We have specific competencies and state of the art testing facilities to pursue these goals.

Find out more about our testing facilities in the video below:







# Tools and platforms

Have a question, looking for specific software applications, need detailed product information or looking for any other marketing tools? This overview gives you an idea of what we can offer.

#### Selection software

Daikin Europe offers you a variety of building modelling, selection, simulation and quotation software tools to support your sales.

#### Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on:

> http://tools.daikinapplied.eu/



### Online support

#### **Business** portal

Experience our new extranet that thinks with you

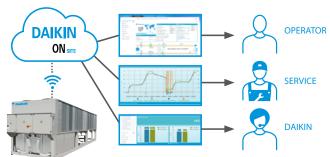
- > Find information in seconds via a powerful search
- > Customize the options so you see only info relevant for you
- > Access via mobile or desktop via my.daikin.eu

#### Daikin on Site

A new remote monitoring and control for chillers and air handling units has been developed by Daikin to give peace of mind to the end-customer.

Using this new tool results in optimum use and costs over the system's entire lifetime:

- > enhanced control and measuring
- > monitors the system
- > reduces risks at the earliest possible moment
- > keeps the system running as it was intended to



#### **ASTRA Web**

- Quick AHU selection that will save you precious time, drastically reducing selection time through the new software interface.
- Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
- > High selection quality, thanks to the intelligence embedded within the software core.

# BREEAM® Daikin, the best partner for your green project

From 2015 onwards the majority of new building projects in Europe are expected to be green.

93% percent of developers & investors consider green certification important

BREEAM and LEED green building programmes are the two most important sustainable building certificates in Europe, covering more than 75% of the total sustainable-building certificate market.

# Property developers are setting high standards

- Aiming for a BREEAM Excellent or LEED Gold target is no longer rare
- > The real challenge? Achieving these targets while staying within budget

# HVAC-R systems play an important role

- Within the total green assessment& investment cost
- > They require the alignment of many different parties

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It is essential to choose an HVAC-R partner with the knowledge and portfolio to achieve your BREEAM or LEED objectives, and other green needs.

Daikin has successfully participated in many green and sustainable projects. Helping builders achieve BREEAM Excellent, LEED Gold, NZEB and similar certificates has become one of our specialities.



We have a team of BREEAM accredited professionals (APs) at your service!

- > Over 17 APs across Europe
- Assisting you to achieve your BREEAM certificate



You get maximum support in scoring BREEAM credits & LEED points:

- > Daikin Total HVAC-R Solutions
- High seasonal efficiency technologies
- Smart energy management with intelligent network
- Boost your end score with innovative products & technologies

Maximise your BREEAM and LEED green building programme score with Daikin solutions

- Manage up to 70% of your energy consumption with the Daikin Total Solution
- > **Top seasonal efficiency**Both BREEAM and LEED green
  building programmes put the
  strongest focus on energy efficiency.
  This is exactly why it's so important to
  choose Daikin.
- Smart air conditioning management with Intelligent Network

To drastically reduce your energy consumption and CO<sub>2</sub> emissions it's not enough to simply make your equipment more efficient.



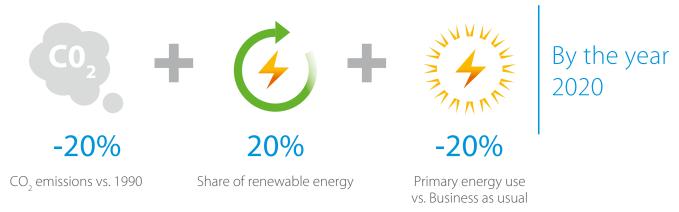
# Seasonal efficiency,

# Smart use of energy

### Challenging 20-20-20 environmental targets

The European Commission has set challenging targets for improving energy efficiency in the EU. These so-called 20-20-20 targets aim at a 20% reduction in  $CO_2$  emissions, 20% share of renewable energy and a 20% reduction in the use of primary energy, all by the year 2020. To realise these objectives, Europe issued the Eco-Design Directive [2009/125/EC]. This sets minimum efficiency requirements for energy related products.

#### European action plan 20-20-20



# Applied systems: products in scope

Since 26 September 2015, heat generators for space heating (LOT 1) also need to comply to these 20-20-20 targets. For the applied systems market it means that all heat pumps below 400 kW need to comply to minimum efficiency requirements. Heat pumps below 70 kW must be marked with a product energy label.

### Our service

Daikin helps it partners to meet their obligations regarding the Ecodesign Directive and energy labelling. Labels, product and technical fiches for each individual product are available as downloads at any time from the Energy Label Generator at

https://www.daikin.eu/en\_us/about/daikin-innovations/seasonal-efficiency.html.

# Chiller modernisation

Be smart – replace components, not systems

### Our concept

Even if the R-22 chiller has been maintained well and is still in good condition, R-22 is no longer allowed to be used. That's why Daikin offers chiller modernisation packages. Not only is the chiller made compliant with the latest legislation, the technology upgrade also revives your system, increasing reliability and efficiency.

#### Main benefits

- > Convert R-22 to be compliant with legislation
- > Limit capital
- Save money for future equipment thanks to the chiller's longer lifetime, increased reliability, and improved maintenance efficiency
- > Enhance energy efficiency up to +20% ESEER by manufacturer pre-engineered upgrade

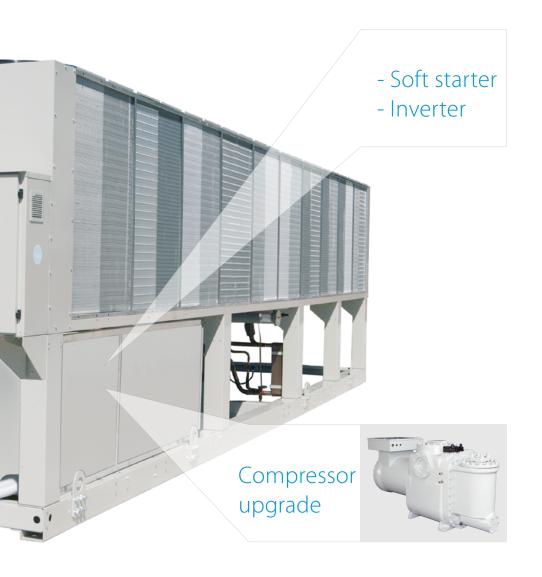
#### Benefits for budget and risk management

- > No chiller removal
- > No water pipe work
- > No electrical modifications
- Low logistic expenses (transport, cranage, permissions ...)
- > Quick delivery
- > Government-sponsored subsidies may be available



# Fact: R-22 has been banned in Europe\*

f your equipment is more than 15 years old, it probably still uses R-22 refrigerant. Since 31 December 2014 repairs to R-22 systems are prohibited, possibly resulting in unexpected downtime. Keep your business running at all times with Daikin replacement technology.



# Day-to-day reliability and efficiency

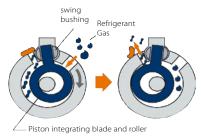
## Inhouse development and manufacturing of compressors

Unlike many other air conditioning manufacturers, Daikin manufactures its own compressors.

This is important because the compressor is the very heart of the air conditioning system, increasing the pressure and temperature of the refrigerant vapour, effectively concentrating the heat as it passes around the system. Daikin has always been at the forefront of developing compressor technology and now offers a comprehensive range of swing, scroll, screw and centrifugal compressors. As a result, inverter compressor control is applied throughout our product range, delivering enhanced comfort and system efficiency.



#### Swing compressor



The mini chiller series EWAQ005-007ADVP & EWYQ005-007ADVP are equipped with a swing inverter compressor. This innovative design by Daikin has fewer moving parts allowing a smoother, more reliable operation with low vibration and low noise levels. The high-efficiency motor reduces energy consumption, resulting in energy cost savings.



# Scroll compressor for controlled capacity

Being compact, the Daikin scroll compressor is used with R-407C and R-410A to provide constant reliability and high efficiency throughout its service life. Designed for small and medium capacities, the scroll compressors are used with air cooled and water cooled chillers.



# Innovative frictionless centrifugal compressor

Inverter speed control

Permanent
Magnet Direct
Drive Motor

Motor and
bearing control
(the electronics)

2 stage centrifugal compressor Pressure and temperature sensors Inlet Guide Vanes

#### Characteristics:

- > Compact, simple yet robust design
- Absence of valves and oscillating connecting mechanisms providing maximum reliability
- Constant compression guaranteeing low energy consumption
- Increased compression efficiency thanks to the absence of volumetric re-expansion
- > Low sound level
- > Low starting current



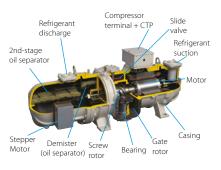
The innovative frictionless centrifugal compressor has an integrated VFD, as well as magnetic bearings, and delivers high levels of unit efficiency and reliability. The compressor's only moving part - the rotor shaft and impellers - are powered by the permanent magnetic direct-drive motor and kept levitated by a digitally controlled magnetic bearing system. This reduction in moving parts significantly increases unit reliability and reduces maintenance costs. As the condensing temperature and/ or cooling load reduces, the speed of rotation reduces and movable inlet guide vanes, activated by the step motor, redirect gas flow into the first stage impeller once the compressor has reached its minimum speed. This delivers increased efficiency and cost savings during part-load operations.

Whatever the requirements of the customer - large systems requiring constant capacity or small systems for flexibility - Daikin always provides a reliable and efficient solution.



# The single-screw stepless compressor for high capacity

At the heart of the larger Daikin chillers is a semi hermetic single screw compressor, designed, tested and manufactured in Daikin's own factories, in order to meet the highest capacity, performance and maintenance specifications. This compressor has been especially developed for operation with R-410A or R-134a refrigerants, guaranteeing unequalled reliability and many years of efficient operation. The bearing life is 100,000hrs with inspection and maintenance intervals every 40,000hrs.



#### Characteristics:

- Optimal performance through stepless capacity control chilled water temperatures. The unit capacity is infinitely variable from 30 - 100% on single circuit units and 15 -100 % on dual circuit units.
- Compact, simple yet robust construction.
- Using a main single screw and two gate rotors, axial and radial forces are balanced, thanks to the symmetrical compression guaranteeing low bearing loads.
- Gate rotors made of polymer material result in closer tolerances with the main screw and reduced friction greatly improves compressor efficiency and lifetime.
- No oil pump necessary lubrication based on the differential pressure principle.
- > Easy access to both compressor and safety devices.
- > Star-Delta starter with low starting current as standard.

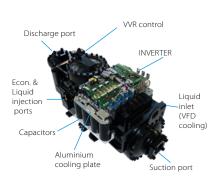


#### Characteristics:

- Compressor and inverter fully designed by Daikin
- Inverter integral to the compressor body
- > Inverter refrigerant cooled
- > WR = Variable Volume Ration for optimized efficiency
- Enlarged discharge port and suction side for reduced refrigerant pressure drop
- > New optimized compressor motors

#### Main benefits:

- > Better ESEER & EER values
- > 30% more compact than single-screw compressor
- > Rapid payback time
- > Silent operations
- > Optimal comfort levels



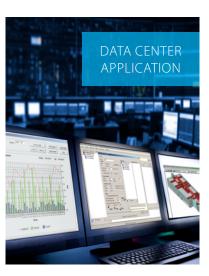


















### Why choose Daikin chillers?

Daikin chillers are the perfect bridge between project requirements and customer satisfaction. From the smallest chillers to the very largest, our quality control and attention detail is absolute. Our systems have the **most advanced technologies**, deliver **the highest energy efficiencies** and **lowest running costs**, and are the gold standard for reliability and performance.

#### The widest and most flexible chiller portfolio

- > From the smallest mini chiller for residential use to the largest chiller for district cooling
- Tailor made solutions based on the most advanced technologies
- > Wide range of options and accessories

# Worldwide experience in chiller design and manufacturing

- World's most advanced facilities for air conditioning research and development: the Applied Development Center in Minneapolis, Minnesota
- > Inhouse development and manufacturing of chiller main components (compressors, fans, condenser coils, software, etc...)
- Chillers produced in European factories, in Milan and Ostend

#### The highest efficiency for every installation

- > Inverter technology over the whole capacity range
- The lowest total cost of ownership and fast payback time

#### Quality and reliability

- Daikin's integrated zero defect policy ensures quality of components and finished products
- > Each Daikin chiller is factory run-tested and subjected to quality audit before shipment

### Benefits for installers

- → Plug & play solutions
- > Maximum serviceability
- > Ideal solutions for retrofit projects

### Benefits for consultants

- Energy efficient solutions without compromising on reliability and performance
- Latest technology embedded in all our product:

### Benefits for end users

- Remarkable savings on running costs
- Easy to customise the chiller to your application, environment and need thanks to more than 150 different options.

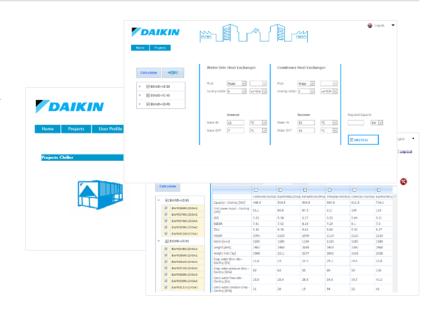
# Web-based chiller selection software

A user-friendly interface allows users to quickly create new projects, open and change exisiting projects or simply do a quick selection.

Technical selection reports can be printed or downloaded in several formats.

To make life easier, the tool is accessible everywhere, via any device. No matter where you are, projects can be consulted.

Create now a new account on: http://tools.daikinapplied.eu/





401 Chiller and air side equipment Product portfolio



416 Modular L Product profile



445 EWYD-4Z Multipurpose Product profile



404 EWAD-TZ B Product profile



418 Chiller series Product profile

### Supporting tools

#### **Business** portal

- > Experience our extranet that thinks with you at my.daikin.eu
- > Find information in seconds via a powerful search
- > Customise the options so you see only info relevant for you
- > Access via mobile device or desktop

#### Website

- > www.daikin.eu/en\_us/product-group/chillers.html
- > Explore our product range
- > Find our solutions for applications
- > Get more commercial details on our flagship products

#### Literature

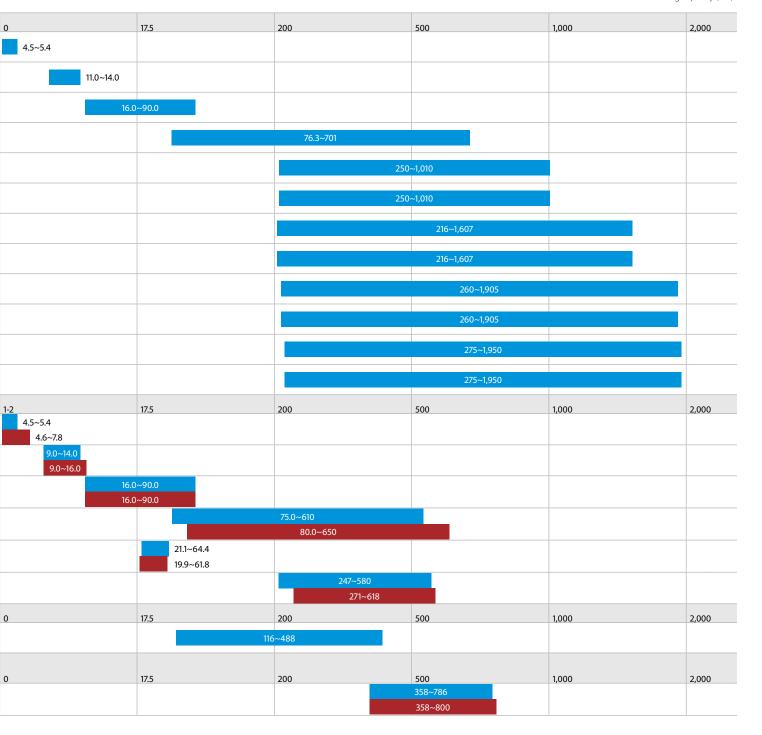
 Download or consult our literature for our professional network and end-customers

# Products overview

	Refrigerant type *	circuits			C	ompress	or		r heat anger		Efficienc	y version	ı	Soi	und vers	ion
	erant type *	circuits														
	Refrige	Refrigerant circuits	Inverter	Free cooling	Swing	Scroll	Screw	Plate**	Single pass shell and tube	Blue	Silver	Gold	Platinum	Standard	Low	Reduced
			INVERTER	FACE												
	R-32	1	•		•			BPHE			•			•		
	R-32	1	•		•			BPHE			•			•		
	R-32	1-2	•			•		•			•			•		
NEW	R-32	1-2				•		•			•	•		•	•	•
NEW	R32	1-2				•		•			•	•		•		•
NEW	R32	1-2		•		•		•			•	•		•		•
NEW	R32	1-2	•				•	•	•	•	•	•	•	•		•
NEW	R1234ze(E)	1-2	•	•			•	•	•	•	•	•	•	•		
NEW	R1234ze(E)	1-2	•				•	•	•	•	•	•	•	•		•
NEW	R513A	1-2	•	•			•	•	•	•	•	•	•	•		
NEW	R513A	1-2	•				•	•	•	•	•	•	•	•		•
NEW	R134a	1-2	•	•			•	•	•	•	•	•	•	•		
	R-32	1	•		•			BPHE			•			•		
	R-32	1	•		•			BPHE			•			•		
	R-32	1-2	•			•		BPHE			•			•		
	R-32	1-2				•		BPHE			•	•		•	•	•
	R-32	1-2	•			•		•			•			•		
	R-134a	2-3	•				•	Di iii	•		•			•	•	
						l										
	R-134a	1					•				•			•	•	
70.00	R-134a	2	•				•		•			•		•	•	•
	NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	R-32  NEW R32  NEW R32  NEW R32  NEW R32  NEW R32  NEW R1234ze(E)  NEW R513A  NEW R513A  NEW R513A  R513A  R732  R-32  R-32  R-32  R-32  R-32  R-32  R-32  R-32	R-32 1-2 NEW R32 1-2 NEW R32 1-2 NEW R32 1-2 NEW R32 1-2 NEW R32 1-2 NEW R1234ze(E) 1-2 NEW R513A 1-	R-32 1-2  NEW R32 1-2  NEW R32 1-2  NEW R32 1-2  NEW R32 1-2  NEW R32 1-2  NEW R1234ze(E) 1-2  NEW R513A 1-2  NEW R513A 1-2  NEW R513A 1-2  R513A 1-2  R513A 1-2  R732 1  R734 1	R-32 1	R-32 1	R-32 1	R-32 1	R-32 1	R-32 1	R-32 1	R-32 1	R-32 1			

<sup>\* (</sup>GWP): R-410A (2,087.5), R-134a (1,430) - \*\* BPHE: Brazed plate heat exchanger

Cooling capacity (kW) Heating capacity (kW)

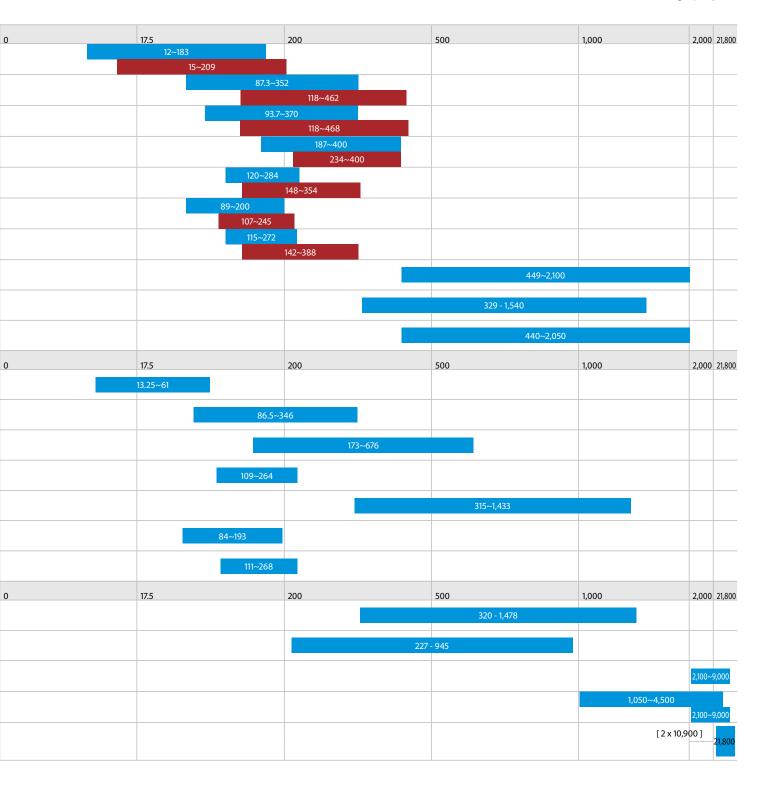


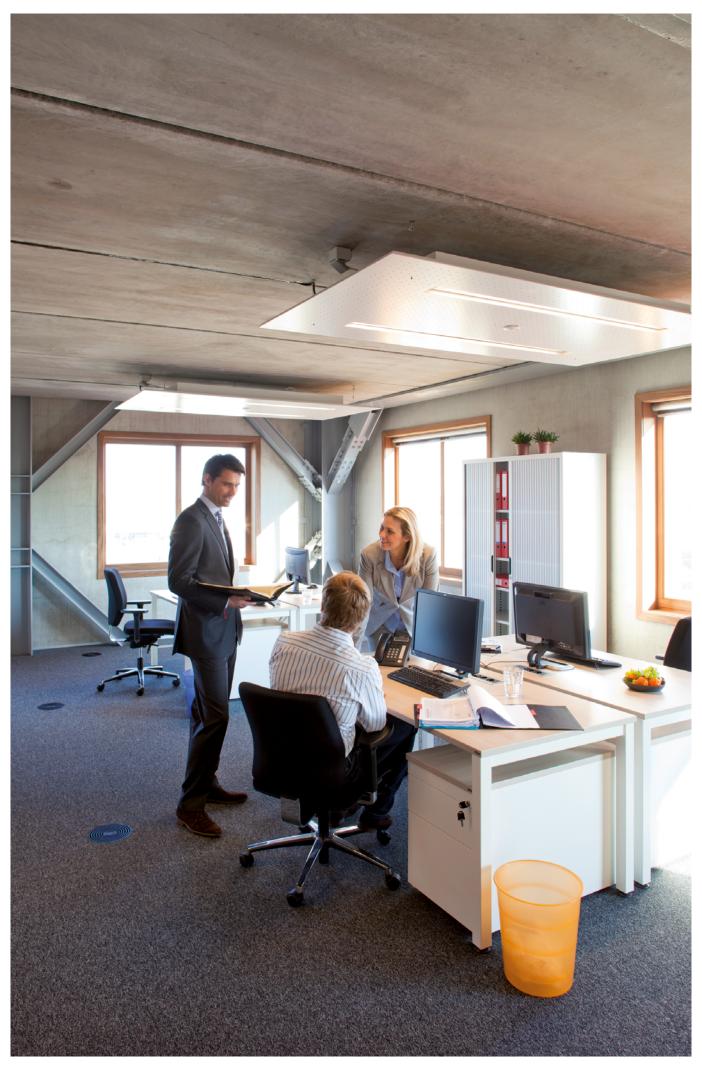
# Products overview

		* *	rcuits			Compresso	r	Wate	r heat exch	anger	Effi	ciency vers	sion	Sound version
		Refrigerant Type *	Refrigerant circuits	Inverter	Scroll	Screw	Centrifugal	Plate **	Single pass shell and tube	Shell and tube	Standard	High	Premium	Standard
Water cooled chille	ers (Cooling only	and Heat Pu	mp)									1		
EWWQ-KCW1N	A 112	R-410a	1-2		•			•			•			•
EWHQ~G-	r	R-410A	1		•			•			•			•
EWWQ~G-	N.	R-410A	1		•			•			•			•
EWWQ~L-		R-410A	2		•			•			•			•
EWWD~J-		R-134a	1			•		•			•			•
EWWH-J-		R1234ze	1			•		•			•			•
EWWS-J-		R-513A	1			•		•			•			•
EWWD-VZ		R-134a	1-2	•		•				Flooded	•	•	•	•
EWWH-VZ		R-1234ze(E)	1-2	•		•				Flooded	•	•	•	•
EWWS-VZ		R-513A	1-2	•		•				Flooded	•	•	•	•
Condenserless chil	lers													
EWLQ-KCW1N	ATT .	R-410A	1-2		•			BPHE			•			•
EWLQ~G-		R-410A	1		•			•			•			•
EWLQ~L-		R-410A	2		•			•			•			•
EWLD~J-	No.	R-134a	1			•		•			•			•
EWLD~I-		R-134a	1-2-3			•			•		•			•
EWLH-J-	No. of Parties	R1234ze	1			•		•			•			•
EWLS-J-	No. of Parties	R-513A	1			•		•			•			•
Water cooled centr	rifugal chillers					I							I	
EWWD-DZ		R-134a	1				•			•		•		•
EWWH-DZ		R-1234ze(E)	1				•			•		•		•
DWDC B		R-134a and R513A	1	optional			•			Flooded		•		•
DWSC C / DWDC C		R-134a, R-513A and R-1234ze	1	optional			•			Flooded		•		•
6,000 RT CENTRIFUGAL		R-134a	2 per				•		Flooded			•		•

<sup>\* (</sup>GWP): R-410A (2,087.5), R-134a (1,430), R-407C (1,773.9) - \*\* BPHE: Brazed plate heat exchanger

Cooling capacity (kW) Heating capacity (kW)







#### BLUEVOLUTION

### Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Inverter chiller
- > Hermetically sealed swing inverter compressor
- > New casing for the outdoor units
- > Separate MMI-2 controller for indoor installation



More details and final information can be found by scanning or clicking the QR codes.



EWAA-DV3P

Cooling Only				EWAA-D	004DV3P	006DV3P	008DV3P	011DV3P	014DV3P	016DV3P
Space cooling	A Condition 35°C	n Pdc		kW		-		11.6	12.8	14.0
	ηs,c			%		-		229	226	221
SEER						-		5.79(6)	5.71(6)	5.59(6)
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)	11.6(4)/11.5(5)	12.8(4)/12.7(5)	14.0(4)/15.3(5)
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)
	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)		-	
Capacity control	Method						Variable	(inverter)		
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)	5.19(1)/3.14(2)	3.26(4)/5.31(5)	3.16(4)/5.04(5)	3.06(4)/4.74(5)
Dimensions	Unit	Height		mm		770			870	
		Width		mm		1,250			1,380	
		Depth		mm		362			460	
Weight	Unit			kg		88.0			147	
Water heat	Type						Plate heat	t exchanger		
exchanger	Water vo	ume		- 1		1			2	
Air heat exchanger	Туре					-		High efficiency fin	and tube type with	integral subcoole
Compressor	Type				Hermetica	lly sealed swing o	compressor	Hermetically s	ealed swing inver	ter compressor
	Quantity							1		
Fan	Type						Prope	eller fan		
	Quantity							1		
	Air flow rate	Cooling	Nom.	m³/min		-		70	3	35
Sound power level	Cooling	Nom.		dBA	61.0(1)	62.	.0(1)	67.0	69	9.0
Sound pressure level	Cooling	Nom.		dBA	48.0(1)	49.0(1)	50.0(1)	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB		10(3)~43			10~43	
Refrigerant	Type/GW	P					R-32	/675.0		
	Charge			kg		1.35			-	
	Control					-		Elec	tronic expansion	valve
	Circuits	Quantity				-			1	
Refrigerant charge	Per circui	t		kg		-			3.80	
Unit	Running current	Max		Ā		-			30.8	
Power supply	Phase/Fre	equency/V	oltage	Hz/V		1~/50 /230 +/-10%	<u> </u>		1~/50 /230	

(I) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) For more details, see operation range drawing | (4) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Depends on operation mode, refer to installation manual.





### Air cooled mini inverter chiller

- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Inverter chiller
- > Hermetically sealed swing inverter compressor
- > New casing for the outdoor units
- > Separate MMI-2 controller for indoor installation



More details and final information can be found by scanning or clicking the QR codes.



EWAA-DW1P

Cooling Only				EWAA	011DW1P	014DW1P	016DW1P			
Space cooling	A Condition 35°C	Pdc		kW	11.6	12.8	14.0			
	ηs,c			%	229	226	221			
SEER					5.79(3)	5.71(3)	5.59(3)			
Cooling capacity	Nom.			kW	11.6(1)/11.5(2)	12.8(1)/12.7(2)	14.0(1)/15.3(2)			
Power input	Cooling	Nom.		kW	3.56(1)/2.17(2)	4.06(1)/2.51(2)	4.58(1)/3.24(2)			
Capacity control	Method					Variable (inverter)				
EER					3.26(1)/5.31(2)	3.16(1)/5.04(2)	3.06(1)/4.74(2)			
Dimensions	Unit	Height		mm		870				
		Width		mm		1,380				
		Depth		mm		460				
Weight	Unit			kg		147				
Water heat	Type					Plate heat exchanger				
exchanger	Water vol	ume		I		2				
Air heat exchanger	Туре				High efficie	ency fin and tube type with integra	l subcooler			
Compressor	Туре				Herme	etically sealed swing inverter comp	ressor			
	Quantity					1				
Fan	Туре					Propeller fan				
	Quantity					1				
	Air flow rate	Cooling	Nom.	m³/min	70	8	5			
Sound power level	Cooling	Nom.		dBA	67.0	69	9.0			
Sound pressure level	Cooling	Nom.		dBA	47.7	50.8	51.0			
Operation range	Air side	Cooling	Min.~Max.	°CDB		10~43				
	Water side	Cooling	Min.~Max.	°CDB		5~22				
Refrigerant	Type/GW	P				R-32/675.0				
	Control					Electronic expansion valve				
	Circuits	Quantity				1				
Refrigerant charge	Per circui	t		kg		3.80				
_				TCO2Eq		2.6				
Unit	Running current	Max		A		Plate heat exchanger 2 sy fin and tube type with integral subcooler cally sealed swing inverter compressor  1 Propeller fan 1 85 69.0 50.8 51.0 10~43 5~22 R-32/675.0 Electronic expansion valve 1 3.80				
Power supply	Phase/Fre	equency/V	/oltage	Hz/V		3~/50 /400				

(1) Cooling: EW 12°C; LW 7°C; ambient conditions:  $35^{\circ}$ CDB | (2) Cooling: EW 23°C; LW 18°C; ambient conditions:  $35^{\circ}$ CDB | (3) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing





### Air cooled mini inverter chiller

- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Inverter chiller
- > Hermetically sealed swing inverter compressor
- > New casing for the outdoor units
- > Separate MMI-2 controller for indoor installation



More details and final information can be found by scanning or clicking the QR codes.



EWAA-DV3P-H

Cooling Only				EWAA-D	004DV3P-H	006DV3P-H	008DV3P-H	011DV3P-H-	014DV3P-H-	016DV3P-H-
Space cooling	A Condition 35°C	n Pdc		kW		-		11.6	12.8	14.0
	ηs,c			%		-		229	226	221
SEER						-		5.79(6)	5.71(6)	5.59(6)
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)	11.6(4)/11.5(5)	12.8(4)/12.7(5)	14.0(4)/15.3(5)
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)
	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)		-	
Capacity control	Method						Variable	(inverter)		
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)	5.19(1)/3.14(2)	3.26(4)/5.31(5)	3.16(4)/5.04(5)	3.06(4)/4.74(5)
Dimensions	Unit	Height		mm		770			870	
		Width		mm		1,250			1,380	
		Depth		mm		362			460	
Weight	Unit			kg		88.0			147	
Water heat	Туре						Plate heat	t exchanger		
exchanger	Water vo	lume		I		1			2	
Air heat exchanger	Type					-		High efficiency fin	and tube type with	integral subcooler
Compressor	Туре				Hermetica	ly sealed swing c	compressor	Hermetically s	ealed swing inver	ter compressor
	Quantity							1		
Fan	Type						Prope	eller fan		
	Quantity							1		
	Air flow rate	Cooling	Nom.	m³/min		-		70	8	35
Sound power level	Cooling	Nom.		dBA	61.0(1)	62.	.0(1)	67.0	69	9.0
Sound pressure level	Cooling	Nom.		dBA	48.0(1)	49.0(1)	50.0(1)	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB		10(3)~43			10~43	
Refrigerant	Type/GW	P					R-32	/675.0		
	Charge					1.35			-	
	Control					-		Elec	tronic expansion	valve
	Circuits	Quantity				-			1	
Refrigerant charge	rigerant charge Per circuit					-			3.80	
Unit	Running Max current					-			30.8	
Power supply	Dhace/Er	equency/Vo	ltago	Hz/V		1~/50 /230 +/-10%			1~/50 /230	

(1) Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2) Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3) For more details, see operation range drawing | (4) Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5) Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (Dt=5°C) | Depends on operation mode, refer to installation manual.





### Air cooled mini inverter chiller

- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > Inverter chiller
- > Hermetically sealed swing inverter compressor
- > New casing for the outdoor units
- > Separate MMI-2 controller for indoor installation



More details and final information can be found by scanning or clicking the QR codes.



EWAA-DW1P-H

Cooling Only				EWAA	011DW1P-H-	014DW1P-H-	016DW1P-H-
Space cooling	A Condition 35°C	Pdc		kW	11.6	12.8	14.0
	ηs,c			%	229	226	221
SEER	•				5.79(3)	5.71(3)	5.59(3)
Cooling capacity	Nom.			kW	11.6(1)/11.5(2)	12.8(1)/12.7(2)	14.0(1)/15.3(2)
Power input	Cooling	Nom.		kW	3.56(1)/2.17(2)	4.06(1)/2.51(2)	4.58(1)/3.24(2)
Capacity control	Method					Variable (inverter)	
ER					3.26 (1)/5.31 (2)	3.16 (1)/5.04 (2)	3.06 (1)/4.74 (2)
Dimensions	Unit	Height		mm		870	
		Width		mm		1,380	
		Depth		mm		460	
Veight	Unit			kg		147	
Water heat	Туре					Plate heat exchanger	
exchanger	Water vol	ume		I		2	
Air heat exchanger	Туре				High efficie	ency fin and tube type with integra	l subcooler
Compressor	Туре				Herme	etically sealed swing inverter comp	ressor
•	Quantity					1	
an	Туре					Propeller fan	
	Quantity					1	
	Air flow rate	Cooling	Nom.	m³/min	70	8	5
Sound power level	Cooling	Nom.		dBA	67.0	69	9.0
Sound pressure level	Cooling	Nom.		dBA	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max.	°CDB		10~43	
	Water side	Cooling	Min.~Max.	°CDB		5~22	
Refrigerant	Type/GW	P				R-32/675.0	
	Control					Electronic expansion valve	
	Circuits	Quantity				1	
Refrigerant charge	Per circui	t		kg		3.80	
_				TCO2Eq		2.6	
Unit	Running current	Max		A		14.0	
Power supply	Phase/Fre	equency/V	/oltage	Hz/V		3~/50 /400	

(1) Cooling: EW 12°C; LW 7°C; ambient conditions:  $35^{\circ}$ CDB | (2) Cooling: EW 23°C; LW 18°C; ambient conditions:  $35^{\circ}$ CDB | (3) According to EN14825 | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



### Air cooled scroll inverter chiller

- > Inverter chiller
- > High part load efficiency for low running cost
- > Minimal starting currents
- > No buffertank required for standard applications
- > Daikin scroll compressor
- > Wide operation range
- > Integrated hydronic module on request



More details and final information can be found by scanning or clicking the QR codes.



EWAT-CZN

Cooling Only				EWAT	016CZN-A1	021CZN-A1	025CZN-A1	032CZN-A1	040CZN-A1	040CZN-A2	050CZN-A2	064CZN-A2	090CZN-A2
Space cooling	A Condition 35°C	n Pdc		kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
	ηs,c			%	19	97	200	205	201	213	210	205	198
SEER					5.	00	5.06	5.21	5.09	5.41	5.33	5.21	5.03
Cooling capacity	Nom.			kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
Power input	Cooling	Nom.		kW	5.50	6.60	8.50	10.3	13.4	13.2	17.0	21.8	31.0
Capacity control	Method							lnv	erter contro	lled			
, ,	Minimum	n capacity		%	18	14	12	19	15	14	12	15	14
EER					2.90	3.16	3.00	3.13	2.95	3.12	2.98	2.93	2.84
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm					1,878		,		
		Width		mm		1,152		1,7	752	2,3	306	2,906	3,506
		Depth		mm			802				8	14	
Weight	Unit			kg	222	2	45	340	339	48	80	574	672
_	Operatio	n weight		kg	223	2	47	343	342	48	86	580	680
Water heat	Туре							Braze p	late heat ex	changer			,
exchanger	Water vo	lume		I	1			2			5		8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Туре						High effic	iency fin ar	d tube type	– Copper A	Aluminum		
Compressor	Туре							Sci	oll compres	ssor			
	Quantity						1					2	
Fan	Туре								Axial				
	Quantity					1				2		3	4
	Speed			rpm	8	00	900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76	5.0	78.0	79.0	80	0.0	81.0	83.0	85.0
Sound pressure level	Cooling	Nom.		dBA	59	9.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GW	Р							R-32/675				
	Charge			kg	3.00	5.	.50	7.00	8.00	12	2.0	13.0	16.0
	Circuits	Quantity	,				1					2	
Piping connections	ing connections Evaporator water inlet/outlet (OD)						1"1/4				2	2"	
Cooling: EW 12°C: LW 7°C	C. ambiant c		OCDD I C1: FW 229	- IVA/ 109C	ahiant candit	: 25°CDD I	Caradista a Ta	DD 44/D 70/C // 0	_ IVA/C 259C /I	DT 59C) I C	distant Tabba	M/D 70C /C0C	N/C 459C

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



## Air cooled scroll inverter chiller

- > Inverter chiller
- > High part load efficiency for low running cost
- > Minimal starting currents
- > No buffertank required for standard applications
- > Daikin scroll compressor
- > Wide operation range
- > Integrated hydronic module on request



More details and final information can be found by scanning or clicking the QR codes.



Cooling Only				<b>EWAT</b>	016CZP-A1	021CZP-A1	025CZP-A1	032CZP-A1	040CZP-A1	040CZP-A2	050CZP-A2	064CZP-A2	090CZP-A2
Space cooling	A Condition 35°C	n Pdc		kW	16.0	21.0	25.7	32.6	39.8	41.6	51.0	64.3	88.6
	ηs,c			%	209	2	13	225	211	228	216	211	204
SEER					5.30	5.	.41	5.70	5.36	5.76	5.48	5.34	5.18
Cooling capacity	Nom.			kW	16.1	21.1	25.9	32.7	39.9	41.7	51.1	64.4	88.8
Power input	Cooling	Nom.		kW	5.45	6.56	8.48	10.3	13.3	13.2	16.9	21.9	31.1
Capacity control	Method							Inv	erter contro	lled			
	Minimum	n capacity		%	18	14	12	19	15	14	12	15	14
EER					2.96	3.22	3.05	3.18	3.00	3.17	3.03	2.95	2.85
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm					1,878				
		Width		mm		1,152		1,7	752	2,3	06	2,906	3,506
		Depth		mm			802				8	14	
Weight	Unit			kg	256	27	78	383	382	5	31	630	727
	Operatio	n weight		kg	257	28	80	386	385	5.	37	636	735
Water heat	Type							Braze p	late heat ex	changer			
exchanger	Water vo	lume		I	1			2			5		8
	Water flow rate	Cooling	Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	Water pressure drop	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Type						High effic	iency fin ar	d tube type	– Copper A	luminum		
Compressor	Type							Sci	oll compres	sor			
	Quantity						1					2	
Fan	Type								Axial				
	Quantity					1				2		3	4
	Speed			rpm	80	00	900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76	5.0	78.0	79.0	80	0.0	81.0		
Sound pressure level	ound pressure Cooling Nom.			dBA	59	9.7	61.7	62.2	63.2	62.8	63.8		
Refrigerant	Type/GW	Р							R-32/675				
	Charge			kg	3.00	5.	50	7.00	8.00	12	0	13.0	16.0
	Circuits	Quantity					1					2	
Piping connection	s Evaporat	or water in	let/outlet (OD)				1"1/4				2	<u>)''</u>	

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



### Air cooled scroll inverter chiller

- > Inverter chiller
- > High part load efficiency for low running cost
- > Minimal starting currents
- > No buffertank required for standard applications
- > Daikin scroll compressor
- > Wide operation range
- > Integrated hydronic module on request



More details and final information can be found by scanning or clicking the QR codes.



Cooling Only			EWAT	016CZH-A1	021CZH-A1	025CZH-A1	032CZH-A1	040CZH-A1	040CZH-A2	050CZH-A2	064CZH-A2	090CZH-A2
Space cooling	A Condition 35°C	n Pdc	kW	16.1	21.1	25.8	32.7	39.9	41.7	51.1	64.3	88.7
	ηs,c		%	205	210	211	224	210	227	213	208	202
Cooling capacity	Nom.		kW	16.2	21.2	25.9	32.8	40.1	41.8	51.3	64.5	88.9
Power input	Cooling	Nom.	kW	5.60	6.70	8.70	10.4	13.5	13.3	17.0	22.0	31.2
Capacity control	Method						Inv	erter contro	lled			
	Minimum	capacity	%	18	14	12	19	15	14	12	15	14
EER				2.89	3.15	2.98	3.14	2.97	3.15	3.02	2.93	2.85
IPLV				5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height	mm					1,878				
		Width	mm		1,152		1,7	752	2,	306	2,906	3,506
		Depth	mm			802				8	14	
Weight	Unit		kg	256	2	78	383	382	5	31	630	727
	Operatio	n weight	kg	257	2	80	386	385	5	37	636	735
Water heat	Type						Braze p	late heat ex	changer			
exchanger	Water vo	ume	I	1			2			5	208 64.5 22.0  15 2.93 5.88  2.906 814  630 636  3.1 22  2  13.0 2 2"	8
	Water flow rate	Cooling Nom.	l/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.20
	Water pressure drop	Cooling Nom.	kPa	20	11	16	19	28	10	14	22	20
Air heat exchanger	Туре					High effic	iency fin ar	d tube type	– Copper	Aluminum		
Compressor	Туре						Sci	oll compres	ssor			
	Quantity					1					2	
Fan	Туре							Axial				
	Quantity				1				2		3	4
	Speed		rpm	8	00	900	700	900	700	900	800	900
Sound power level	Cooling	Nom.	dBA	76	5.0	78.0	79.0	80	0.0	81.0	83.0	85.0
Sound pressure level	Cooling	Nom.	dBA	59	9.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GW	P					R-32	2/675				R-32/675.0
-	Charge		kg	3.00	5.	50	7.00	8.00	1.	2.0	13.0	16.0
	Circuits	Quantity				1					2	
Piping connections	Evaporat	or water inlet/outlet	(OD)	İ		1"1/4					2"	
Cooling, FW/12°C, LW/7°	•						DD 444D 305 (40)		T =05\15			

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



# Air cooled scroll inverter heat pump

- > Inverter chiller
- > High part load efficiency for low running cost
- > Minimal starting currents
- > No buffertank required for standard applications
- > Daikin scroll compressor
- > Wide operation range
- > Integrated hydronic module on request
- > Dedicated controller extension (EKRSCIOH) for Heating applications



More details and final information can be found by scanning or clicking the QR codes.



<b>Heating &amp; Cooling</b>			EWYT	016CZN-A1	021CZN-A1	025CZN-A1	032CZN-A1	040CZN-A1	040CZN-A2	050CZN-A2	064CZN-A2	090CZN-A
Space cooling	A Condition 35°C	Pdc	kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
	ηs,c		%	19	97	200	205	201	213	210	205	198
SEER				5.	00	5.06	5.21	5.09	5.41	5.33	5.21	5.03
Space heating	Average	General	SCOP	3.89	4.00	4.07	4.06	4.07	4.02	4.00	3.98	4.00
<b>*</b>	climate water outlet 35°C	•	Seasonal space heating eff. class					A++			,	
Cooling capacity	Nom.		kW	15.9	20.9	25.6	32.4	39.6	41.4	50.8	64.0	88.3
Heating capacity	Nom.		kW	15.9	20.2	24.8	32.4	39.4	40.3	49.8	61.9	85.8
Power input	Cooling	Nom.	kW	5.50	6.60	8.50	10.3	13.4	13.2	17.0	21.8	31.0
•	Heating	Nom.	kW	4.70	5.80	7.50	9.40	11.8	11.9	15.4	19.1	27.2
Capacity control	Method					,	Inve	erter contro	lled			
, ,	Minimum	capacity	%	18	14	12	19	15	14	12	15	14
EER				2.90	3.16	3.00	3.13	2.95	3.12	2.98	2.93	2.84
COP				3.41	3.46	3.33	3.45	3.33	3.38	3.24	3.23	3.16
IPLV				5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height	mm					1,878				
		Width	mm		1,152		1,7	752	2,3	06	2,906	3,506
		Depth	mm			802				8	210 205 5.33 5.21 4.00 3.98  50.8 64.0 49.8 61.9 17.0 21.8 15.4 19.1  12 15 2.98 2.93 3.24 3.23 5.92 5.88  6 2,906 814 4 588 6 2,906 814 5 2.4 3.1 2.4 3.0 14 22 13.8 20.4  Juminum  2  3 900 800 81.0 83.0 63.8 65.4	
Weight	Unit		kg	227	2	52	350	349	49	94	588	693
3	Operation	n weight	kg	228	2	54	353	352	50	00	594	701
Water heat	Туре						Braze p	late heat ex	changer			
exchanger	Water vol	ume	I	1			2			5		8
	Water	Cooling	Nom. I/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	flow rate	Heating	Nom. I/s	0.8	1.0	1.2	1.5	1.	9	2.4	3.0	4.1
	Water	Cooling	Nom. kPa	20	11	16	19	28	10	14	22	20
	pressure drop	Heating	Nom. kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Туре					High effic	iency fin an	d tube type	– Copper A	luminum		
Compressor	Туре						Scr	oll compres	sor			
	Quantity					1				- 2	2	
Fan	Туре							Axial				
	Quantity				1			2	2		3	4
	Speed		rpm	8	00	900	700	900	700	900	800	900
Sound power level	Cooling	Nom.	dBA	76	5.0	78.0	79.0	80	0.0	81.0	83.0	85.0
Sound pressure level	Cooling	Nom.	dBA	59	9.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GW	P						R-32/675				
-	Charge		kg	3.00	5.	50	7.00	8.00	12	.0	13.0	16.0
		0										
	Circuits	Quantity				1				4	2	

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



# Air cooled scroll inverter heat pump

- > Inverter chiller
- > High part load efficiency for low running cost
- > Minimal starting currents
- > No buffertank required for standard applications
- > Daikin scroll compressor
- > Wide operation range
- > Integrated hydronic module on request
- > Dedicated controller extension (EKRSCIOH) for Heating applications



More details and final information can be found by scanning or clicking the QR codes.



<b>Heating &amp; Cooling</b>				EWYT	016CZP-A1	021CZP-A1	025CZP-A1	032CZP-A1	040CZP-A1	040CZP-A2	050CZP-A2	064CZP-A2	090CZP-A
Space cooling	A Condition 35°C	Pdc		kW	16.0	21.0	25.7	32.6	39.8	41.6	51.0	64.3	88.6
	ηs,c			%	209	2	13	225	211	228	216	211	204
SEER					5.30	5.	.41	5.70	5.36	5.76	5.48	5.34	5.18
Space heating	Average	General	SCOP		4.03	4.	.19	4.	18	4.19	4.12	4.01	4.04
<b>~</b>	climate wate outlet 35°C	r	Seasonal space h eff. class	eating					A++				
Cooling capacity	Nom.			kW	16.1	21.1	25.9	32.7	39.9	41.7	51.1	64.4	88.8
Heating capacity	Nom.			kW	15.6	19.9	24.6	32.1	39.0	40.0	49.5	61.4	85.3
Power input	Cooling	Nom.		kW	5.45	6.56	8.48	10.3	13.3	13.2	16.9	21.9	31.1
•	Heating	Nom.		kW	4.63	5.81	7.42	9.32	11.7	11.8	15.3	19.2	27.3
Capacity control	Method							Inve	erter contro	lled			
	Minimum	capacity		%	18	14	12	19	15	14	12	15	14
EER					2.96	3.22	3.05	3.18	3.00	3.17	3.03	2.95	2.85
COP					3.37	3.43	3.31	3.44	3.33	3.38	3.23	3.20	3.13
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm					1,878				
		Width		mm		1,152		1,7	52	2,3	06	2,906	3,506
aiaht		Depth		mm			802				81	4	
Weight	Unit			kg	261	28	86	393	392	54	16	644	749
3	Operation	n weight		kg	262	28	88	396	395	5.	51	650	757
Water heat	Туре							Braze p	ate heat ex	changer			
exchanger	Water vol	ume		- 1	1			2			5		8
	Water	Cooling	Nom.	I/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	flow rate	Heating	Nom.	I/s	0.8	1.0	1.2	1.5	1.	9	2.4	3.0	4.1
	Water	Cooling	Nom.	kPa	20	11	16	19	28	10	14	22	20
	pressure drop	Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8	20.4	19.1
Air heat exchanger	Type						High effic	iency fin an	d tube type	– Copper A	luminum		
Compressor	Type							Scr	oll compres	sor			
	Quantity						1				2	<u>!</u>	
Fan	Туре								Axial				
	Quantity					1				2		3	4
	Speed			rpm	8	00	900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76	5.0	78.0	79.0	80	0.0	81.0	83.0	85.0
Sound pressure level	Cooling Nom. dBA				59	9.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GW	Р							R-32/675				
-	Charge			kg	3.00	5.	50	7.00	8.00	12	.0	13.0	16.0
	Circuits	Quantity					1				2	<u> </u>	
	oing connections Evaporator water inlet/outlet (OD)						1"1/4				2		

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



# Air cooled scroll inverter heat pump

- > Inverter chiller
- > High part load efficiency for low running cost
- > Minimal starting currents
- > No buffertank required for standard applications
- > Daikin scroll compressor
- > Wide operation range
- > Integrated hydronic module on request
- > Dedicated controller extension (EKRSCIOH) for Heating applications



More details and final information can be found by scanning or clicking the QR codes.

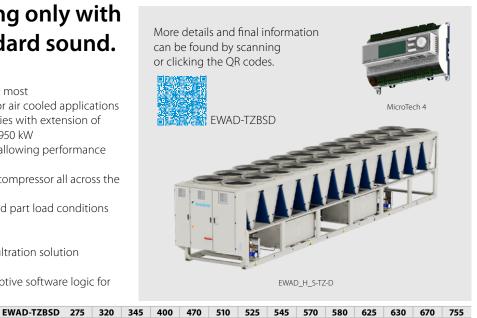


<b>Heating &amp; Cooling</b>				EWYT	016CZH-A1	021CZH-A1	025CZH-A1	032CZH-A1	040CZH-A1	040CZH-A2	050CZH-A2	064CZH-A2	090CZH-A2
Space cooling	A Condition 35°C	Pdc		kW	16.1	21.1	25.8	32.7	39.9	41.7	51.1	64.3	88.7
	ηs,c			%	205	210	211	224	210	227	213	208	202
SEER					5.20	5.32	5.34	5.67	5.34	5.76	5.40	5.27	5.12
Space heating	Average	General	SCOP		3.88	4.06	4.08	4.11	4.13	4.14	4.09	3.94	4.00
·	climate water outlet 35°C	r	Seasonal space hea eff. class	ting		,	,		A++				
Cooling capacity	Nom.			kW	16.2	21.2	25.9	32.8	40.1	41.8	51.3	64.5	88.9
Heating capacity	Nom.			kW	15.5	19.8	24.5	32.0	38.9	39.9	49.4	61.3	85.2
Power input	Cooling	Nom.		kW	5.60	6.70	8.70	10.4	13.5	13.3	17.0	22.0	31.2
•	Heating	Nom.		kW	4.80	6.00	7.60	9.50	11.9	12.0	15.4	19.3	27.4
Capacity control	Method							Inve	erter contro	lled			
' /	Minimum	capacity		%	18	14	12	19	15	14	12	15	14
EER					2.89	3.15	2.98	3.14	2.97	3.15	3.02	2.93	2.85
COP					3.24	3.31	3.22	3.37	3.28	3.33	3.20	3.17	3.12
IPLV					5.83	6.29	6.05	6.25	5.87	6.37	5.92	5.88	5.61
Dimensions	Unit	Height		mm					1.878				
		Width		mm		1,152		1.7	752	2.3	814		3,506
		Depth		mm		, -	802	,		,-		64.3 208 5.27 3.94 64.5 61.3 22.0 19.3 15 2.93 3.17 5.88	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Weight	Unit			kg	261	28	36	393	392	54			749
	Operation	n weiaht		kg	262		38	396	395	_	51	-	757
Water heat	Туре							Braze p	ate heat ex	changer			
exchanger	Water vol	ume		I	1			2		J -	5		8
	Water	Cooling	Nom.	I/s	0.8	1.0	1.2	1.6	1.9	2.0	2.4	3.1	4.2
	flow rate		Nom.	I/s	0.8	1.0	1.2	1.5	1		2.4		4.1
	Water	Cooling	Nom.	kPa	20	11	16	19	28	10	14		20
	pressure drop	Heating	Nom.	kPa	19.6	10.6	15.4	19.1	27.1	9.4	13.8		19.1
Air heat exchanger	Туре						High effic	iency fin an	d tube type	– Copper A	luminum		
Compressor	Туре							Scr	oll compres	sor			
	Quantity						1				- 2	2	
Fan	Туре								Axial	,			
	Quantity					1				2		3	4
	Speed			rpm	80	00	900	700	900	700	900	800	900
Sound power level	Cooling	Nom.		dBA	76	5.0	78.0	79.0	80	0.0	81.0	83.0	85.0
Sound pressure level	Cooling					9.7	61.7	62.2	63.2	62.8	63.8	65.4	67.0
Refrigerant	Type/GW	P							R-32/675				
<u> </u>	Charge			kg	3.00	5.	50	7.00	8.00	12	.0	13.0	16.0
	Circuits	Quantity					1					2	
	oing connections Evaporator water inlet/outlet (OD)												

Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing

# Inverter screw cooling only with BLU efficiency. Standard sound.

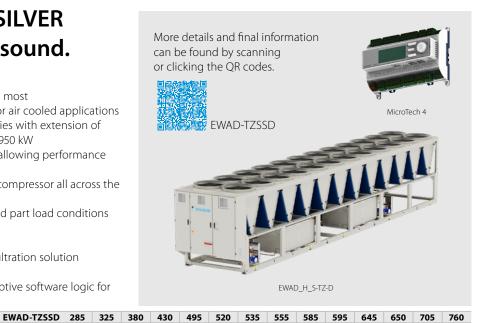
- > Environmentally conscious HFC134a the most thermodynamically efficient refrigerant for air cooled applications
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



SEER						320			7/0	310	323	373				, 0.			
SEEK					4.517	4.637	4.636	4.829	4.809	4.561	4.73	4.55	4.552	4.71	1 4.6	5 4.5	56	4.564	4.917
Cooling capacity	Nom.			kW	274.8	316.9	346	418.5	467	512.6	520.7	543.7	573.2	574.	7 622	.2 630	0.9	674	753.1
Power input	Cooling	Nom.		kW	91.31	100.1	115.5	136.4	159.9	171	167.6	188.4	206	198.	2 230.	.6 210	5.2	242.8	231.7
Capacity control	Method					·					Ste	oless							
	Minimum	capacity		%	22	19	17	22	23	11	22		10	19	17		10	)	13
EER					3	3.2	3	3.1	2.9	3	3.1	2.9	2.8	2.9	2.7	' 2.	.9	2.8	3.3
IPLV					4.4	4.	6	4.	3	4.4	4.7		1.4		4.7		4.5	5	4.9
Dimensions	Unit	Height		mm							2,	553							
		Width		mm							2,	238							
		Depth		mm	2,560		3,6	40				4,	720				5,80	00	6,880
Weight	Unit			kg	2,602	3,0	84	3,48	36	4,212	4,032		212	T .	4.032		4,69		5,670
. 5	Operatio	n weiaht		kg	2,677	3,16			3,593.7					4,170	.1 4.175	5.1 5.0			
Air heat exchanger						-,		-,	.,	.,		hanne		.,				-,	-,
Compressor	Type									Sc		mpres							
	Quantity						1			2	1		2		1			2	
Fan	Туре										Direct r	ropelle							
	Quantity				4		6	,			, h	лоре	8				10	12	
		Cooling	Nom.	I/c	25,490		38,2			50 980	50,990	50	,980	5	0,990	+	63,73		76,480
Sound power level		Nom.	140111.	dBA	97	98	100	97		99	98	99	100	98	0,090	101	55,75	102	99
Sound pressure level		Nom.		dBA	9/		80	78	77	79	77	79	80	78		80	+	82	78
Operation range	Air side	Cooling	Min.~Max.	°CDB		J	00	/0		13		-46	00	/0				UZ.	70
Refrigerant	Type/GW		ıvııı.∼ıvıdX.	CDB								-46 a/1,430							
Reirigerant	Charge	r		l.a	35	4.	-	55	65	7				80		85		95	105
		0		kg	33	4:	1	55	03	2	1	75	2	<b>6</b> U	1	- 63		2	103
Dising a series at 1 a s	Circuits	Quantity				20.0		120.7	1			160		12		-	10		
Piping connections			net/outlet (OD)			38.9mm		139.7	nm	68.3mm	139.7mm		.3mm	13	9.7mm		16	58.3mm	1
Unit	Starting curren			A	4704	40.50	247.6	240.4	202.5	2260		0	200		2 200	2 44	24	450	40.47
		Cooling	Nom.	Α.	179.1	196.2	217.6	248.4		336.9	298.8	367.3	392.4					450	434.7
	current	Max		Α α	220	262	284	346	362	411	400	440	471	457	464	4 51	12	556	600
Dower cumply	Phase/Fre			Hz/V							3~/5	0/400							
Power supply		equency/ v	ronage	11Z/ V															
Tower supply	111050/111	equency/ v			830	915	C10	H10	H11	C1	2 0	13	C14	C15	H16	H17	,	H18	H19
	, mase, m	equency/ v		D-TZBSD	<b>830</b>	<b>915</b>	<b>C10</b>	H10	H11	<b>C1</b>		_	C14 849	<b>C15</b>	<b>H16</b>	H17		H18	<b>H19</b>
SEER		equency/ v		D-TZBSD	4.879	4.901	4.855	4.797	4.936	5 4.9	42 4.9	906 4	.849	4.858	5.044	4.99	5 4	4.997	4.979
SEER Cooling capacity	Nom.			<b>D-TZBSD</b> kW	4.879 825.6	4.901 916.8	4.855 997.9	4.797 1,092	4.936	5 4.9 3 1,23	42 4.9 38 1,3	906 4 332 1	.849 ,405	4.858 1,534	5.044 1,665	4.99 1,760	05 4 0 1	4.997 1,876	4.979 1,954
SEER Cooling capacity Power input	Nom. Cooling	Nom.		D-TZBSD	4.879	4.901	4.855	4.797 1,092	4.936	5 4.9 3 1,23	42 4.9 38 1,3 9.9 4	906 4 332 1 47 4	.849 ,405	4.858	5.044	4.99	05 4 0 1	4.997	4.979
SEER Cooling capacity	Nom. Cooling Method	Nom.		<b>D-TZBSD</b> kW kW	4.879 825.6 267.5	4.901 916.8 298.4	4.855 997.9 347.8	4.797 1,092	4.936	5 4.9 3 1,23	42 4.9 38 1,3 9.9 4 Step	906 4 332 1	.849 ,405	4.858 1,534	5.044 1,665 546.3	4.99 1,760 608.	05 4 0 1	4.997 1,876 659.1	4.979 1,954 730.3
SEER Cooling capacity Power input Capacity control	Nom. Cooling Method			<b>D-TZBSD</b> kW	4.879 825.6 267.5	4.901 916.8 298.4	4.855 997.9 347.8	4.797 1,092	4.936	5 4.94 3 1,23 5 409	42 4.9 38 1,3 9.9 4	906 4 332 1 47 4 oless	.849 ,405 .94.1	4.858 1,534 531.7	5.044 1,665 546.3	4.99 1,760 608.	05 4 0 1 .6 6	4.997 1,876 659.1	4.979 1,954 730.3
SEER Cooling capacity Power input Capacity control EER	Nom. Cooling Method	Nom.		<b>D-TZBSD</b> kW kW	4.879 825.6 267.5	4.901 916.8 298.4	4.855 997.9 347.8 11 2.9	4.797 1,092	4.936 1,168 387.5	5 4.9 3 1,23	42 4.9 38 1,3 9.9 4 Ster 10	906 4 332 1 47 4 oless	.849 ,405 .94.1	4.858 1,534 531.7	5.044 1,665 546.3 13 3	4.99 1,760 608. 12 2.9	05 4 0 1 .6 6	4.997 1,876 659.1 11 2.8	4.979 1,954 730.3 10 2.7
SEER Cooling capacity Power input Capacity control EER IPLV	Nom. Cooling Method Minimum	Nom.		kW kW	4.879 825.6 267.5	4.901 916.8 298.4	4.855 997.9 347.8	4.797 1,092	4.936	5 4.94 3 1,23 5 409	42 4.9 38 1,3 9.9 4 Step 10	906 4 332 1 47 4 oless	.849 ,405 .94.1	4.858 1,534 531.7	5.044 1,665 546.3 13 3	4.99 1,760 608.	05 4 0 1 .6 6	4.997 1,876 659.1	4.979 1,954 730.3 10 2.7
SEER Cooling capacity Power input Capacity control EER	Nom. Cooling Method	Nom. capacity Height		kW kW %	4.879 825.6 267.5	4.901 916.8 298.4	4.855 997.9 347.8 11 2.9	4.797 1,092	4.936 1,168 387.5	5 4.94 3 1,23 5 409	42 4.9 38 1,3 9.9 4 Ste 10	906 4 332 1 47 4 oless	.849 ,405 .94.1	4.858 1,534 531.7	5.044 1,665 546.3 13 3	4.99 1,760 608. 12 2.9	05 4 0 1 .6 6	4.997 1,876 659.1 11 2.8	4.979 1,954 730.3 10 2.7
SEER Cooling capacity Power input Capacity control EER IPLV	Nom. Cooling Method Minimum	Nom.  capacity  Height Width		kW kW %	4.879 825.6 267.5	4.901 916.8 298.4 13 3.1 4.9	4.855 997.9 347.8 11 2.9	4.797 1,092 369.7	4.936 1,168 387.5 4.9	5 4.9-6 3 1,23 5 409	42 4.9 38 1,3 9.9 4 Ster 10	906 4 332 1 47 4 oless	.849 ,405 .94.1 2.8 4.7	4.858 1,534 531.7	5.044 1,665 546.3 13 3	4.99 1,760 608. 12 2.9 5.3	05 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2	4.979 1,954 730.3 10 2.7
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions	Nom. Cooling Method Minimum	Nom. capacity Height		kW kW % mm mm	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 3.1 4.9	4.855 997.9 347.8 11 2.9 4.8	4.797 1,092 369.7	4.936 1,168 7 387.5 4.9	3 4.99 3 1,23 5 409 3	42 4.9 38 1,3 9.9 4 Ste 10 4 2,2	906 4 332 1 47 4 oless .8 .8 553 238	.849 .405 .94.1 2.8 4.7	4.858 1,534 531.7	5.044 1,665 546.3 13 3	4.99 1,766 608. 12 2.9 5.3	05 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2	4.979 1,954 730.3 10 2.7 2
SEER Cooling capacity Power input Capacity control EER IPLV	Nom. Cooling Method Minimum Unit	Nom.  Height Width Depth		kW kW % mm mm mm	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 3.1 4.9 6,880 6,	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816	4.936 1,168 7 387.5 4.9 9,040 7,297	3 1,23 3 1,23 5 409 3	42 4.9 38 1,3 9.9 4 Ste 10 4 2,, 2,2	906 4 332 1 47 4 oless 3.8 553 238 11,200	.849 .405 .94.1 2.8 4.7	4.858 1,534 531.7 2.9	5.044 1,665 546.3 13 3 12,280	4.99 1,766 608. 12 2.9 5.3	95 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2	4.979 1,954 730.3 10 2.7 2
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight	Nom. Cooling Method Minimum Unit Unit Operatio	Nom.  Height Width Depth		kW kW % mm mm	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 3.1 4.9 6,880 6,	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816	4.936 1,168 7 387.5 4.9 9,040 7,297	3 1,23 3 1,23 5 409 3	42 4.9 38 1,3 9.9 4 Ste 10 4 2,2 20 79 8,3	906 4 3332 1 47 4 oless 8 553 238 11,200 260 8	.849 .405 .94.1 2.8 4.7	4.858 1,534 531.7 2.9	5.044 1,665 546.3 13 3 12,280	4.99 1,766 608. 12 2.9 5.3	95 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2	4.979 1,954 730.3 10 2.7 2
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger	Nom. Cooling Method Minimum Unit Unit Operatio Type	Nom.  Height Width Depth		kW kW % mm mm mm	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 3.1 4.9 6,880 6,	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816	4.936 1,168 7 387.5 4.9 9,040 7,297	3 1,23 5 409 3 3	42 4.9 38 1,7 9.9 4 Stello 10 4 2,7 2,7 20 Microsoft	906 4 3332 1 47 4 oless 8 8 553 238 11,200 260 8 260 8 260 9 260 9	.849 .405 .94.1 2.8 4.7 6,581 .333	4.858 1,534 531.7 2.9	5.044 1,665 546.3 13 3 12,280	4.99 1,766 608. 12 2.9 5.3	95 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2	4.979 1,954 730.3 10 2.7 2
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight	Nom. Cooling Method Minimum  Unit Unit Operatio Type Type	Nom.  Height Width Depth		kW kW % mm mm mm	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 3.1 4.9 6,880 6,	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816	4.936 1,168 7 387.5 4.9 9,040 7,297	3 1,23 5 409 3 3	42 4.9 38 1,3 39 4 Step 10 4 2,, 2,2 20 79 8,3 Microsoftew correw correw correw correw corres	906 4 332 1 47 4 50less .8 .8 .553 238 11,200 260 8 9002 9 channe	.849 .405 .94.1 2.8 4.7 6,581 .333	4.858 1,534 531.7 2.9	5.044 1,665 546.3 13 3 12,280	4.99 1,766 608. 12 2.9 5.3	95 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2	4.979 1,954 730.3 10 2.7 2
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor	Nom. Cooling Method Minimum  Unit  Unit  Operatio Type Type Quantity	Nom.  Height Width Depth		kW kW % mm mm mm	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 3.1 4.9 6,880 6,	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816	4.936 1,168 7 387.5 4.9 9,040 7,297	3 3 4.94 3 1,23 5 409 3 3 5 409 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	42 4.9 38 1,3 39 4 Step 10 4 2,7 2,2 20 79 8,2 Microsoverew co	906 4 332 1 47 4 oless .8 .8 .553 238 11,200 260 8 9002 9 channe	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9	5.044 1,665 546.3 13 3 12,280	4.99 1,766 608. 12 2.9 5.3	95 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2	4.979 1,954 730.3 10 2.7 2
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger	Nom. Cooling Method Minimum  Unit  Unit  Operatio Type Quantity Type	Nom.  Height Width Depth		kW kW % mm mm mm	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 3.1 4.9 6,880 6,6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 4.937 4.9 9,040 6 7,297 8,014	3 1,23 5 409 3 1,23 5 409 3 3 5 409 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	42 4.94 4.94 4.95 4.95 4.95 4.95 4.95 4.95	906 4 332 1 47 4 oless 8 553 238 11,200 260 8 9002 9 channe mpress 2	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9	5.044 1,665 546.3 13 3 5 12,280 10 11,564	4.99 1,766 608. 12 2.9 5.3	95 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2 13,3 10,8 2,076	4.979 1,954 730.3 10 2.7 2 60 60 605 12,086
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor	Nom. Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity	Nom.  Height Width Depth n weight	EWA	kW kW % mm mm kg kg	4.879 825.6 267.5 11 3 4.8	4.901 916.8 298.4 13 .1 4.9 6,880 6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014	3 1,23 5 409 3 3 3 3 0 10,12 7 7,77 4 8,50	42 4.9 38 1,3 9.9 4 Ste 10  4 2,, 2,; 20 Microscrew co	906 4 332 1 47 4 boless 8 553 238 11,200 260 8 9002 9 channe mpress 2	.849 ,405 .94.1 2.8 4.7 6,581 ,333 lsor	4.858 1,534 531.7 2.9	5.044 1,665 546.3 13 3 5 12,280 10 11,564	4.99 1,760 608. 12 2.9 5.3	95 4 0 1 .6 6	4.997 1,876 659.1 11 2.8 5.2 13,3 10,8 2,076	4.979 1,954 730.3 10 2.7 2 60 005 12,086
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan	Nom. Cooling Method Minimum Unit Unit Operatio Type Quantity Airflowrati	Nom. Height Width Depth n weight		kW kW % mm mm kg kg	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 .1 4.9 6,880 6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014	3 1,23 5 409 3 1,23 5 409 3 3 5 409 5 409 1 10,11 7 7,77 4 8,50 1 18,50 1 114,7	42 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9 4.9	906 4 332 1 447 4 bless 	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9 9,920 11,146	5.044 1,665 546.3 13 3 12,280 10 11,564	4.99 1,760 608. 12 2.9 5.3	75 44 0 11 6 6 6	4.997 1,876 659.1 11 2.8 5.2 13,33 10,8 2,076	4.979 1,954 730.3 10 2.7 2 60 60 60 12,086
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level	Nom. Cooling Method Minimum Unit Unit Operatio Type Type Quantity Air flow rate Cooling	Nom.  Height Width Depth n weight  Cooling Nom.	EWA	kW kW % mm mm kg kg l/s dBA	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 3.1 4.9 6,880 6,6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	42 4.94 4.94 4.94 4.95 4.95 4.95 4.95 4.95	906 4 332 1 447 4 bless 3.8 553 238 11,200 260 8 200 9 channe mpress 2 propelli 20 127,46	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9 9,920 11,146	5.044 1,665 546.3 13 3 12,280 10 11,564 22 140,210 104	4.99 1,760 608. 12 2.9 5.3 ,323 11,57	75 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,997 1,876 659.1 11 2.8 5.2 13,3 10,8 2,076	4.979 1,954 730.3 10 2.7 2 60 60 512,086
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Nom. Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Type Quantity Airflow rate Cooling Cooling	Nom. Height Width Depth n weight e Cooling Nom. Nom.	EWA	kW kW % % mm mm kg kg l/s dBA dBA	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 .1 4.9 6,880 6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014	3 1,23 5 409 3 1,23 5 409 3 3 5 409 5 409 1 10,11 7 7,77 4 8,50 1 18,50 1 114,7	42 4.94 4.94 4.95 4.95 4.95 4.95 4.95 4.95	.8 .553 .238 .11,200 .260 .8 .202 .9	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9 9,920 11,146	5.044 1,665 546.3 13 3 12,280 10 11,564	4.99 1,760 608. 12 2.9 5.3	75 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4.997 1,876 659.1 11 2.8 5.2 13,33 10,8 2,076	4.979 1,954 730.3 10 2.7 2 60 60 60 12,086
SEER Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Nom. Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Airflowrat Cooling Cooling Air side	Nom. Height Width Depth n weight e Cooling Nom. Nom. Cooling	EWA	kW kW % mm mm kg kg l/s dBA	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 3.1 4.9 6,880 6,6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	442 4.4.4 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4	8006 4 4 332 1 1 4 4 7 4 4 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9 9,920 11,146	5.044 1,665 546.3 13 3 12,280 10 11,564 22 140,210 104	4.99 1,760 608. 12 2.9 5.3 ,323 11,57	75 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,997 1,876 659.1 11 2.8 5.2 13,3 10,8 2,076	4.979 1,954 730.3 10 2.7 2 60 60 512,086
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Nom. Cooling Method Minimum  Unit  Unit  Operatio Type Quantity Type Quantity Air flow rat Cooling Cooling Air side Type/GW	Nom. Height Width Depth n weight e Cooling Nom. Nom. Cooling	EWA	kW kW % % mm mm kg kg l/s dBA dBA	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 3.1 4.9 6,880 6,6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	442 4.4.2 4.8.38 1,; Stell 10  Stell 10  4 2,, 2,, 4 2,, 2,, 6 8 3 8 8 1,; 8 10  Stell 10  A 2, 2, 2, 6 8 8,, 9 8 8,, 9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	006 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9 9,920 11,146	5.044 1,665 546.3 13 3 12,280 10 11,564 22 140,210 104	4.99 1,760 608. 12 2.9 5.3 ,323 11,57	75 4 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4,997 1,876 659.1 11 2.8 5.2 13,3 10,8 2,076	4,979 1,954 730.3 10 2,7 2 2 2 60 60 60 512,086 107 84
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Nom. Cooling Method Minimum  Unit Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Nom. Height Width Depth n weight e Cooling Nom. Nom. Cooling	Nom. Min.~Max.	kW kW % % mm mm kg kg l/s dBA dBA	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 3.1 4.9 6,880 6,6,748	4.855 997.9 347.8 11 2.9 4.8	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	442 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	006 4 4 4 4 6 8 8 5 5 1 1,200 8 1 127,46 8 1 1 20 1 1 27,46 8 1 1 4 4 6 8 1 4 4 6 8 8 5 5 1 1 1,200 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.8 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7	4.858 1,534 531.7 2.9 9,920 11,146	5.044 1,665 546.3 13 3 12,280 10 11,564 22 140,210 104	4.99 1,760 608. 12 2.9 5.3 ,323 11,57	79 12	4,997 1,876 659.1 11 2.8 5.2 13,3 10,8 2,076	4.979 1,954 730.3 10 2.7 2 60 60 512,086
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Nom. Cooling Method Minimum  Unit Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Nom. Height Width Depth n weight e Cooling Nom. Nom. Cooling	Nom. Min.~Max.	kW kW %  mm mm kg kg  l/s  dBA  CDB	4.879 825.6 267.5 11 4.8 5,670 6,065	4.901 916.8 298.4 13 .1 4.9 6,880 6,6,748 12 76,480 99 78	4.855 997.9 347.8 11 2.9 4.8 142 6,763	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014 16 0 101,98	3 3 3 3 10,11 3 3 3 10,11 10,1	442 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	006 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	849 405 994.1 2.8 4.7 4.7 4.7 6.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	4.858 1,534 531.7 2.9 9,920 111,146	5.044 1,665 546.3 13 3 12,280 10 11,564 2 2 2 140,210 104 81	4.99   1,760   608.   12   2.9   5.3   11,57	79 12	4.997 1,876 6659.1 11 2.8 5.2 13,3 10,8 22,076	4,979 1,954 730.3 10 2,7 2 2 2 60 60 60 512,086 107 84
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Nom. Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Charge Circuits	Nom. Height Width Depth n weight e Cooling Nom. Nom. Cooling P	Nom. Min.~Max.	kW kW %  mm mm kg kg  l/s  dBA  CDB	4.879 825.6 267.5 11 4.8 5,670 6,065	4.901 916.8 298.4 13 1.1 4.9 6,880 6,6,748 12 76,480 99 78	4.855 997.9 347.8 11 2.9 4.8 142 6,763	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014 16 0 101,98	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	442 4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	006 4 4 4 4 6 8 8 5 5 1 1,200 8 1 127,46 8 1 1 20 1 1 27,46 8 1 1 4 4 6 8 1 4 4 6 8 8 5 5 1 1 1,200 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	849 405 994.1 2.8 4.7 4.7 4.7 6.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	4.858 1,534 531.7 2.9 9,920 111,146	5.044 1,665 546.3 13 3 12,280 10 11,564 2 2 2 140,210 104 81	4.99   1,760   608.   12   2.9   5.3   11,57	75 44 00 11 16 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4.997 1,876 6659.1 11 2.8 5.2 13,3 10,8 22,076	4,979 1,954 730.3 10 2,7 2 2 2 60 60 60 512,086 107 84
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Nom. Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Charge Circuits	Nom. Height Width Depth Nom. Nom. Cooling P Quantity Or water in	Nom. Min.~Max.	kW kW %  mm mm kg kg  l/s  dBA  CDB	4.879 825.6 267.5 11 4.8 5,670 6,065	4.901 916.8 298.4 13 1.1 4.9 6,880 6,6,748 12 76,480 99 78	4.855 997.9 347.8 11 2.9 4.8 142 6,763	7,960 6,816 7,523	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014 16 0 101,98 101	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	442 4.4.4.2 4.4.3 4.4.4.2 4.4.4.2 4.4.4.2 4.4.4.4.4.4.4.4	006 4 4 4 4 6 8 8 5 5 1 1,200 8 1 127,46 8 1 1 20 1 1 27,46 8 1 1 4 4 6 8 1 4 4 6 8 8 5 5 1 1 1,200 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	849 405 994.1 2.8 4.7 4.7 4.7 6.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	4.858 1,534 531.7 2.9 9,920 111,146	5.044 1,665 546.3 13 3 12,280 10 11,564 2 2 2 140,210 104 81	4.99 1,760 608. 12 2.9 5.3 11,57	75 44 00 11 16 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4.997 1,876 6659.1 11 2.8 5.2 13,3 10,8 22,076	4,979 1,954 730.3 10 2,7 2 2 2 60 60 60 512,086 107 84
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Nom. Cooling Method Minimum  Unit  Unit  Unit  Operatio Type Quantity Type Quantity Type Quantity Type Quantity Type Quantity Type Cooling Cooling Cooling Circuits Evaporat Starting curren	Nom. Height Width Depth Nom. Nom. Cooling P Quantity Or water in	Nom.  Min.~Max.	kW kW % % mm mm kg kg kg l/s dBA dBA °CDB	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 1.1 4.9 6,880 6,6,748 12 76,480 99 78	4.855 997.9 347.8 11 2.9 4.8 142 6,763	7,960 6,816 7,523 14 89,230	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014 160 160 219.1m	3 3 3 3 10,123 409 3 3 3 10,113 409 10,11 7 7,7,7 7,7,7 7 7,7,7 11 10 10 10 10 11 10 10 10 10 10 10 10	442 4.4.  Stel  10  4  2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	006 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	.849 .405 .94.1 .2.8 .4.7 .581 .333	4.858 1,534 531.7 2.9 9,920 111,146	5.044 1,665 546.3 13 3 12,280 10 11,564 2 2 2 140,210 104 81	4.99 1,760 608. 12 2.9 5.3 11,57	75 44 10 11 11 11 11 11 11 11 11 11 11 11 11	4.997 1,876 6659.1 11 2.8 5.2 13,3 10,8 22,076	4,979 1,954 730.3 10 2,7 2 2 2 60 60 60 512,086 107 84
SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Nom. Cooling Method Minimum  Unit  Unit  Unit  Operatio Type Quantity Type Quantity Type Quantity Type Quantity Type Cooling Air side Type/GW Charge Circuits Evaporat Starting curren	Height Width Depth Nom. Cooling P Quantity or water in t Max Cooling	Nom.  Min.~Max.	kW kW %  mm mm kg kg  I/s dBA dBA °CDB kg	4.879 825.6 267.5 11 3 4.8 5,670 6,065	4.901 916.8 298.4 13 .1 4.9 6,880 6,6,748 12 76,480 99 78	4.855 997.9 347.8 11 2.9 4.8 142 6,763	7,960 6,816 7,523 14 89,230	4.936 1,168 7 387.5 4.9 9,040 6 7,297 8,014 160 160 219.1m	3 3 3 10,123 3 3 3 3 10,10,10,10,10,10,10,10,10,10,10,10,10,1	442 4.4.2 4.4.388 1,; Stel 10  4 2,; 2,; 2,; 6 9,9 8,; 7 900 9,4 Microccrew cc	006 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	.849 .405 .94.1 .2.8 .4.7 .581 .333 .850r .00 .005 .82	4.858 1,534 531.7 2.9 9,920 111,146	5.044 1,665 546.3 13 3 12,280 10 11,564 22 140,210 104 81	4.99 1,760 608. 12 2.9 5.3 11,57	55 44 66 66 66 66 66 66 66 66 66 66 66 66	4.997 1,876 6659.1 11 2.8 5.2 13,3; 10,8 22,076 106 83	4.979 1,954 730.3 10 2.7 2 60 .005 12,086 107 84

# Inverter screw with SILVER efficiency. Standard sound.

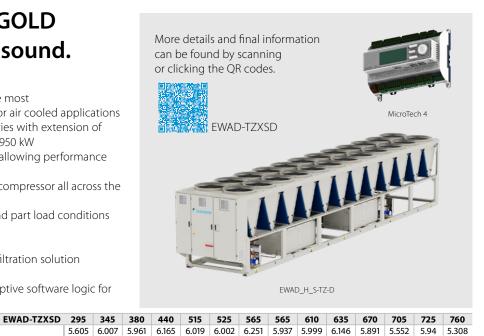
- > Environmentally conscious HFC134a the most thermodynamically efficient refrigerant for air cooled applications
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EVV	AD-1255D	285	325	380	430	495	520	535	555	585	595	645	650	705	760
SEER					5.551	5.737	5.636	5.741	5.434	5.281	5.659	5.237	5.09	5.55	6 5.29	5.53	5 5.2	5.547
Cooling capacity	Nom.			kW	283.6	327.3	360.3	426.8	490.9	522.4	530.6	555.8	586.	7 590	646.	.3 642	.1 706.1	760.3
Power input	Cooling	Nom.		kW	84.44	98.36	112.8	131	151.7	162.1	161	177.6	194.	188.	4 202.	.9 218.	2 235.4	225.2
Capacity control	Method										Ster	pless						
	Minimum	capacity		%	22	19	17	22	23	11	22		10	19	10	17	10	13
EER					3.4	3.3	3.2	3.3	3	.2	3.3	3.1	3	3.1	3.2	2.9	3	3.4
IPLV					5.7	5.8	5.7	6	5.8	5.4	6	5.3	5.2	5.8	5.4	5.6	5.3	6
Dimensions	Unit	Height		mm							2,!	553						
		Width		mm							2,2	238						
		Depth		mm	3,640		4,7	′20				5,800			6,88	5,80	0 6,880	7,960
Weight	Unit			kg	3,084	3,6	04	3,968	4,032	4,693	4,513	4,	693	4,51	3 5,17	7 4,51	3 5,177	6,151
	Operation	n weight		kg	3,164	3,697	3,702	4,070.7	4,155.1	5,033	4,646.1	5,038	5,04	4,65	.1 5,52	2 4,66	1.1 5,527	6,536
Air heat exchanger	Type										Micro	channe	l					
Compressor	Type									Sc	rew co	mpres	sor					
	Quantity						11			2	1		2	1	2	1		2
Fan	Type										Direct p	ropell	er					
	Quantity	ntity						8				10			12	10	12	14
	Air flow rate	2 Cooling	Nom.	I/s	38,240		50,9	990				63,730	)		76,48	30 63,73	76,48	0 89,230
Sound power level	Cooling	Nom.		dBA	9	8	100	98	97	99	98	99	101	98		101	103	99
Sound pressure level	l Cooling	Nom.		dBA	7	8	80	7	7	79	77	79	80	78		80	82	78
Operation range	Air side	Cooling	Min.~Max.	°CDB			5 ~46			-20 ~46			~46	5 ~4	6 -20 ~4	46 5 ~4	6 -20	0 ~46
Refrigerant	Type/GW	P										a/1,430						
	Charge			kg	40	45	50	60	65	70	7	75		80		90	95	105
	Circuits	Quantity					1			2	1		2	1	2	1		2
Piping connections	Evaporate	or water in	let/outlet (OD)			88.9mm		139.7	mm	168.3mm	139.7mm	168	.3mm	139.7m	m 168.3m	nm   139.7m	m 168	3.3mm
Unit	Starting curren	t Max		Α								0						
		Cooling	Nom.	Α	174.3	202.4	227.4	249.9	281.8	332.1	300.1	_	387.	340.				
	current	Max		A	231	272	294	357	372	421	411	450	481	467	523	3 474	566	610
Power supply	Phase/Fre	equency/V	oltage	Hz/V							3~/50	0 /400						
			EW	AD-TZSSD	835	960	C10	H10	H1°	1 H1:	2 H	l13	H14	H15	H16	H17	H18	H19
SEER					5.714	5.615	5.536	_					.529	5.707	5.633	5.608		5.445
Cooling capacity	Nom.			kW	837.7	960.2	1,017		_				,482	1,562	1,665	1,787	1,876	1,954
Power input	Cooling	Nom.		kW	258.7	301.2	332.2						00.2	485.4	542.2	589.4		725.7
Capacity control	Method											pless				1	1 00	
	Minimum	capacity		%	11	12	T	11			10			14	13	12	11	10
EER					3	3.2	3.1		3	3.1	ī	3		3.2	3.1	3	2.9	2.7
IPLV					5.8	5.7		5.6			5.7		5.6	6.1	6	5.9	5.8	5.7
Dimensions	Unit	Height		mm								552						
											2.:	ככנ						
		Width		mm							2,5	238						
						7,9	960		9,04	10 11,20	2,2		12,2	30			13,360	
Weight	Unit	Width		mm	6,151		960 623	6,816			2,2	238	12,2	30 10,3	323		13,360 10,805	
Weight	Unit Operation	Width Depth		mm mm	6,151 6,546	6,	623		5 7,29	7 8,26	2,2 00 60 8,7	238 742 9	,920	10,3		12,066	10,805	
Weight Air heat exchanger	Operation	Width Depth		mm mm kg	_	6,	623		5 7,29	97 8,26 14 8,99	2,2 00 60 8,3 92 9,4	238 742 9	,920 1,136	10,3		12,066	10,805	
	Operation	Width Depth		mm mm kg	_	6,	623		5 7,29	97 8,26 14 8,99	2,2 00 60 8,3 92 9,4	238 742 9 489 1 channe	,920 1,136	10,3		12,066	10,805	
Air heat exchanger	Operation Type	Width Depth		mm mm kg	_	6,	623		5 7,29	97 8,26 14 8,99	2,2 00 60 8,7 92 9,4 Microc	238 742 9 489 1 channe	,920 1,136	10,3		12,066	10,805	
Air heat exchanger	Operation Type Type	Width Depth		mm mm kg		6,	623		5 7,29	97 8,26 14 8,99 Sc	2,2 00 60 8,7 92 9,4 Microc	742 9 489 1 channe ompress 2	1,920 1,136 I sor	10,3		12,066	10,805	
Air heat exchanger Compressor	Operation Type Type Quantity	Width Depth		mm mm kg		6, 7,239	623		5 7,29	97 8,26 14 8,99 Sc	2,2 00   60 8,7 92 9,4 Microc crew co	742 9 489 1 channe ompress 2	1,920 1,136 I sor	10,3 11,549		12,066	10,805	
Air heat exchanger Compressor	Operation Type Type Quantity Type	Width Depth n weight	Nom.	mm mm kg		7,239	623 7,244		5 7,29 3 8,01	97 8,26 14 8,99 Sc	2,2 00   60 8,7 92 9,4 Microc crew co	742 9 489 1 channe ompress 2	1,920 1,136 I sor	10,3 11,549		12,066	10,805 12,076	12,086
Air heat exchanger Compressor	Operation Type Type Quantity Type Quantity Air flow rate	Width Depth n weight	Nom.	mm kg kg		7,239	623 7,244		5 7,29 3 8,01	97 8,26 14 8,99 Sc	2,2 00   60 8,7 92 9,4 Micrococrew co	742 9 489 1 channe ompress 2 propello	1,920 1,136 I sor er	10,3 11,549		12,066	10,805 5 12,076	12,086
Air heat exchanger Compressor	Operation Type Type Quantity Type Quantity Air flow rate Cooling	Width Depth n weight	Nom.	mm kg kg l/s dBA dBA		6, 7,239	623 7,244		6 7,29 3 8,01 16 101,9	97 8,26 14 8,99 Sc 50 20 108 127,4	2,2 00 8,3 60 8,3 92 9,4 Microcorew co Crew co Direct p 160 2 10	742 9 489 1 channe ompress 2 propelle	1,920 1,136 I sor er 22 140,2	10,3 11,549	11,564		10,805 5 12,076 24 152,960	12,086
Air heat exchanger Compressor Fan	Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	Width Depth  n weight  e Cooling Nom. Nom. Cooling		mm kg kg l/s	6,546	6, 7,239 89 100	623 7,244	7,518	6 7,29 3 8,01 16 101,9	97 8,26 14 8,99 Sc 20 08 127,4	2,2 00 860 8,3 92 9,4 Microcorrew co Direct p 160 2 160 8	238  742 9  489 1  channe  mpress  2  propelle	,920 1,136 I soor er 22 140,2	10,3 11,549 210 103	11,564	105	10,805 12,076 24 152,960 106	12,086
Air heat exchanger Compressor Fan Sound power level Sound pressure level	Operation Type Type Quantity Type Quantity Air flow rate Cooling	Width Depth  n weight  e Cooling Nom. Nom. Cooling		mm kg kg l/s dBA dBA	6,546	6, 7,239 89 100	623 7,244	7,518	6 7,29 3 8,01 16 101,9	97 8,26 14 8,99 Sc 20 08 127,4	2,2 00 8,3 60 8,3 92 9,4 Microscrew co crew co 2 Direct p 160 2 10 8 -20	238  742 9  489 1: channe pmpress: 2  propelle  04  81	,920 1,136 I soor er 22 140,2	10,3 11,549 210 103	11,564	105	10,805 12,076 24 152,960 106	12,086
Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Width Depth  n weight  e Cooling Nom. Nom. Cooling	Min.~Max.	mm kg kg l/s dBA dBA	6,546	6, 7,239 89 100	623 7,244	7,518	6 7,29 3 8,01 16 101,9	Sc 5c 5c 5c 20 108 127,4 80	2,2 00 60 8,3 92 9,2 Microcorew co Direct p 60 2 10 8 -20 R-134a	238  742 9  489 1  channe ompress 2  oropello  04 81 ~46 a/1,430	,920 1,136 I soor er 22 140,2	10,3 11,549 210 103	11,564	105	10,805 12,076 24 152,960 106	12,086
Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Width Depth  n weight  e Cooling Nom. Nom. Cooling	Min.~Max.	mm kg kg l/s dBA dBA cCDB	79	89, 100	623 7,244 14 ,230	7,518	6 7,29 3 8,01 16 101,9	Sc 5c 5c 5c 20 108 127,4 80	2,2 00	238  742 9  489 1  channe ompress 2  oropello  04 81 ~46 a/1,430	1,920 1,136 I sor er 22 140,2 105 82	10,3 11,549 210 103 80	104	105	10,805 12,076 24 152,960 106 83	12,086
Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Operation Type Type Quantity Type Quantity Air flow rate Cooling Air side Type/GW Charge Circuits	Width Depth  n weight  e Cooling Nom. Nom. Cooling P	Min.~Max.	mm kg kg l/s dBA dBA cCDB	79	89 100 78	623 7,244 14 ,230	79	6 7,29 3 8,01 16 101,9	Sc 5c 5c 5c 20 108 127,4 80	2,2 00	238  742 9  489 1  channe ompress 2  oropello  04 81 ~46  a/1,430  90 1	1,920 1,136 I sor er 22 140,2 105 82	10,3 11,549 210 103 80	104 81 230	105	10,805 12,076 24 152,960 106 83	12,086
Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Operation Type Type Quantity Type Quantity Air flow rate Cooling Air side Type/GW Charge Circuits	Width Depth  n weight  e Cooling Nom. Nom. Cooling P  Quantity or water in	Min.~Max.	mm kg kg l/s dBA dBA cCDB	79	89 100 78	623 7,244 14 ,230	79	5 7,29 3 8,01 16 101,9 101	Sc 5c 5c 5c 20 108 127,4 80	2,2 00 60 8,3 92 9,4 Microcorew co Crew co 20 160 2 10 0 8 -20 R-134a	238  742 9  489 1  channe ompress 2  oropello  04 81 ~46  a/1,430  90 1	1,920 1,136 I sor er 22 140,2 105 82	10,3 11,549 210 103 80	104 81 230	105 82	10,805 12,076 24 152,960 106 83	12,086
Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Width Depth  n weight  e Cooling Nom. Nom. Cooling P  Quantity or water in	Min.~Max.	mm kg kg I/s dBA dBA °CDB	79	89 100 78	623 7,244 14 ,230	79	160 9.1mm	97 8,26 14 8,99 Sc E 20 108 127,4 102 80	2,2 00 60 8,3 92 9,4 Microcorew co Crew co 20 160 2 10 0 8 -20 R-134a	238  742 9  489 1  channe ompress 2  oropello  04  81  ~46  a/1,430  90  2	1,920 1,136 I sor er 22 140,2 105 82	10,3 11,549 210 103 80	104 81 230	105 82	10,805 12,076 24 152,960 106 83	12,086
Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Width Depth  n weight  e Cooling Nom. Nom. Cooling P  Quantity or water in t Max	Min.~Max.	mm kg kg l/s dBA dBA °CDB	79 115	89, 100 78	623   7,244	79	160 101,9 101 160 9.1mm	27 8,26 14 8,99 Sc E 20 108 127,4 102 80 D 175	2,2 00 60 8,3 92 9,4 Microcorew co Direct p 160 2 10 0 8-1344 5 19	238  742 9 489 1 channe compress 2 channe ompress 2 04 81 ~46 a/1,430 90 2 0 66.2 8	1,920 1,136 I sor er 22 140,2 105 82	10,: 11,549 10 103 80 215	104 81 230 273	105 82 250	10,805 5 12,076 24 152,960 106 83	12,086 0 107 84

# **Inverter screw with GOLD** efficiency. Standard sound.

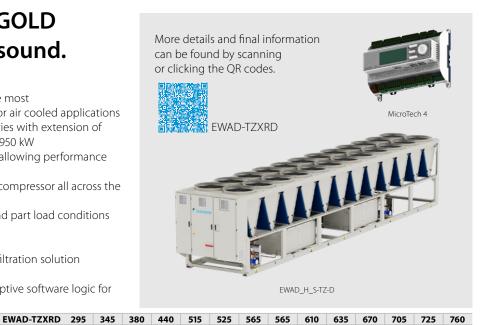
- > Environmentally conscious HFC134a the most thermodynamically efficient refrigerant for air cooled applications
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EWAD-TZXSD	295	345	380	440	515	525	565	565	610	635	670	705	725	760
SEER				5.605	6.007	5.961	6.165	6.019	6.002	6.251	5.937	5.999	6.146	5.891	5.552	5.94	5.308
Cooling capacity	Nom.		kW	294.4	344.4	378	434.8	507.9	524.3	560.5	565.9	610.7	629	668.1	701	724	757.3
Power input	Cooling	Nom.	kW	89.4	102.5	116.8	120.6	150	146.6	162	163.3	177	190.8	201.3	207.2	219.5	233.1
Capacity control	Method									Step	oless						
	Minimum	capacity	%	22	19	17	28	23	13	22	12	11	19	10	30	10	28
EER				3.3	3.4	3.2	3.6	3.4	3.6		3.5		3	3.3	3.4	3.3	3.2
IPLV				6	6.3	6.1	6.6	6.5	6.3	6.7	6.1	6.2	6.5	6.1	5.7	6.2	5.6
Dimensions	Unit	Height	mm							2,5	553						
		Width	mm	İ						2,2	238						
		Depth	mm	3,640	4,7	20	5,8	00		6,880		7,960	6,880	7,960	6,880	7,960	6,880
Weight	Unit		kg	-	3,7		4,5		5,348		5,348	5,829	5,136	5,829	5,805		
	Operation	n weiaht	kc				4,687.1		-					6,174			5,986.3
Air heat exchanger				1,,	,	,	,	,	, , ,		hannel	,	,	,	,	, , ,	.,
Compressor	Type			1					So		mpress	or					
	Quantity					1			2	1		2	1	2	1	2	1
Fan	Туре									Direct p	ropelle						
	Quantity			6	8	3	10	0		12	орене	14	12	14	12	14	12
	Air flow rate	Cooling	Nom. I/s		45,2		56,5		67.860	_	67,860		_	_	68,280	_	68,280
Sound power level		Nom.	dBA		98	103	96	97	07,000	100	07,000	101	105	101	99	102	100
Sound pressure leve		Nom.	dBA	_	82	83	75	76	79	76	80	81	77	83	78	84	79
Operation range	Air side	Cooling	Min.~Max. °CDE	_	UZ	UJ.	,,	70	,,,		~46	- OI			, , 0		13
Refrigerant	Type/GW		Willi. Wax.								a/1,430						
Remgerant	Charge		kc	40	45	50	60	7	0	75	80		35	90	95	100	105
	Circuits	Quantity		40	73	1	00	,	2	1		2	1	2	1	2	1
Piping connections				1	88.9mm		139.7	mm		139.7mm	168.3		-	168.3mm	-		
Unit	Starting curren		P		00.911111		139.7		100.311111		)	)	133./11111	1 100.311111	1 139./111111	100.311111	139./111111
Offic		Cooling			216.8	235.8	247.6	291.7	319.1	316.3	348.1	378.7	359.4	420.8	383.5	443	421.6
	current	Max	NOIII.		261	289	314	342	389	404	429	457	452	420.8	520	535	568
Power supply		quency/V			201	209	314	342	309	3~/50		437	432	490	320	333	308
Power supply	Pilase/Fie	equency/ v	oltage nz/v							3~/30	7/400						
			EWAD-TZXSD	805	880	950	C10	H1	0 H1	11 C	12 H	l12	H13	H14	H15	H16	H17
SEER				6.088	6.355	6.192	6.365	5 6.18	6.3	13 6.2	217 6.	126	6.14	5.896	5.807	5.723	5.629
Cooling capacity	Nom.		kW	002.2	877.7	949.4	993.6	5 1,06	52 1,12	29 1,1	94 1,2	286 1	,359	1,454	1,567	1,671	1,770
	INOIII.		KVI	802.3	0//./	777.7	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
Power input	Cooling	Nom.	kW	_	250.8	282.1		3 325	.1 336	5.7 37	0.1 40	02.4 4		419.5	472.2	528.4	590.4
		Nom.		_	_			3 325	.1 336		0.1 40 oless	)2.4 4					590.4
Power input	Cooling			233.2	_			3 325	i.1 336		oless	10					590.4
Power input	Cooling Method		kW	233.2	250.8	282.1	292.3	3.3	11	Step	oless			419.5	472.2	528.4	
Power input Capacity control	Cooling Method		kW	233.2	250.8	282.1	292.3		11 3.	Step 4	oless	10		419.5	472.2 14	528.4	12
Power input Capacity control EER	Cooling Method	capacity	kW	233.2 10 3.4 6.4	250.8 14 3.5	282.1	292.3 12 3.4	3.3	11 3.	Step 4 5 6	oless	10		419.5 15 3.5	472.2 14 3.3	13 3.2	12
Power input Capacity control  EER IPLV	Cooling Method Minimum		kW	10 3.4 6.4	250.8 14 3.5	282.1	292.3 12 3.4	3.3	11 3.	Ster 4 5 6 2,5	oless 3	10		419.5 15 3.5	472.2 14 3.3	13 3.2	12
Power input Capacity control  EER IPLV	Cooling Method Minimum	Capacity Height Width	kW % mm mm	10 3.4 6.4	250.8 14 3.5 6.6	282.1	292.3 12 3.4 6.5	3.3	11 3.	Step 4 5 6 2,5 2,2	.4 .553	10 3.2 6.3	125.5	419.5 15 3.5	472.2 14 3.3 6.3	13 3.2 6.2	12
Power input Capacity control  EER IPLV Dimensions	Cooling Method Minimum Unit	capacity Height	kW % mm mm	10 3.4 6.4	250.8 14 3.5 6.6	282.1 13 6.4	292.3 12 3.4 6.5	3.3 6.4	11 3.	Step 4 5 6 2,5 2,2	.4 .553 .238	10 3.2 6.3	2,280	419.5 15 3.5	472.2 14 3.3 6.3	528.4 13 3.2 6.2	12
Power input Capacity control  EER IPLV	Method Minimum Unit	Height Width Depth	kW % mm mm mm kg	233.2 10 3.4 6.4 6,904	250.8 14 3.5 6.6 9,040	282.1 13 6.4	292.3 12 3.4 6.5	3.3 6.4 10,120 7,642	11 3 3. 4 6.	Step 4   5   6 2,5 2,2 11,2 8,3	3.4 .4 .553 .238 .200	10 3.2 6.3	2,280 9,655	15 3.5 6.1	14 3.3 6.3 13,3 10,8	528.4 13 3.2 6.2 60 05	12 3 6
Power input Capacity control  EER IPLV Dimensions  Weight	Method Minimum Unit Unit Operation	Height Width Depth	kW % mm mm	233.2 10 3.4 6.4 6,904	250.8 14 3.5 6.6	282.1 13 6.4	292.3 12 3.4 6.5	3.3 6.4 10,120 7,642	11 3 3. 4 6.	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0	0less .4 .553 .238 .200 .316 .038 9,	10 3.2 6.3	2,280 9,655	419.5 15 3.5	14 3.3 6.3 13,3 10,8	528.4 13 3.2 6.2 60 05	12 3 6
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Cooling Method Minimum Unit Unit Operation Type	Height Width Depth	kW % mm mm mm kg	233.2 10 3.4 6.4 6,904	250.8 14 3.5 6.6 9,040	282.1 13 6.4	292.3 12 3.4 6.5	3.3 6.4 10,120 7,642	11 3 3.4 4 6.	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0 Microco	3.4   5553   238   200   316   9, hannel	10 3.2 6.3 12 9 053 10	2,280 9,655	15 3.5 6.1	14 3.3 6.3 13,3 10,8	528.4 13 3.2 6.2 60 05	12 3 6
Power input Capacity control  EER IPLV Dimensions  Weight	Method Minimum  Unit  Unit  Unit  Operation  Type  Type	Height Width Depth	kW % mm mm mm kg	233.2 10 3.4 6.4 6,904	250.8 14 3.5 6.6 9,040	282.1 13 6.4	292.3 12 3.4 6.5	3.3 6.4 10,120 7,642	11 3 3.4 4 6.	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0 Microcorrew co	3.4   553   238   200   316   338   9, hannel   mpress	10 3.2 6.3 12 9 053 10	2,280 9,655	15 3.5 6.1	14 3.3 6.3 13,3 10,8	528.4 13 3.2 6.2 60 05	12 3 6
Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity	Height Width Depth	kW % mm mm mm kg	233.2 10 3.4 6.4 6,904	250.8 14 3.5 6.6 9,040	282.1 13 6.4	292.3 12 3.4 6.5	3.3 6.4 10,120 7,642	11 3 3.4 4 6.	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0 Micrococrew co	3.4   553   238   200   316   338   9, hannel   mpress   2	10 3.2 6.3 12 9 053 10	2,280 9,655	15 3.5 6.1	14 3.3 6.3 13,3 10,8	528.4 13 3.2 6.2 60 05	12 3 6
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type	Height Width Depth	kW % mm mm mm kg	233.2 10 3.4 6.4 6,904	250.8 14 3.5 6.6 9,040 7,7,761	282.1 13 6.4	292.3 12 3.4 6.5	3.3 6.4 10,120 7,642 8 8,26	11 3 3.4 4 6.	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0 Microcorew co	3.4   553 338 200 316 338   9, hannel mpress 2	10 3.2 6.3 12 9 053 10	2,280 9,655 0,856	15 3.5 6.1	14 3.3 6.3 13,3 10,8 12,031	528.4 13 3.2 6.2 60 05 12,046	12 3 6
Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity	Height Width Depth	kW % mm mm kg kg	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,7,761	282.1 13 6.4 160 7,771	292.s 12 3.4 6.5	3.5 6.4 10,120 7,642 8 8,26	11 3 3.4 4 6.	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0 Microcorew co	3.4   553 238 200 316 038   9, hannel mpress 2	10 3.2 6.3 12 9 053 10	2,280 0,655 0,856	15 3.5 6.1	14 3.3 6.3 13,3 10,8 12,031	528.4 13 3.2 6.2 60 05 12,046	12 3 6
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan	Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Air flow rate	Height Width Depth	kW  %  mm mm mm kg kg	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480	13 6.4 160 7,771	292.3 12 3.4 6.5 1 8,258	3.5 6.4 10,120 7,642 8 8,26	11 3 3.4 4 6.	Step  4  5  6  2,5  2,2  11,2  8,3  28  9,0  Micrococrew co  2  Direct p	3.4   553   238   200   316   338   9, hannel mpress   2   propelle   0   080	10 3.2 6.3 12 9 053 10 or	2,280 0,655 0,856	15 3.5 6.1	14 3.3 6.3 13,3 10,8 12,031 24 135,7	528.4 13 3.2 6.2 60 05 12,046	12 3 6
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level	Cooling Method Minimum  Unit Unit Operation Type Type Quantity Airflowrate Cooling	Height Width Depth n weight	kW  %  mm mm mm kg kg kg  Nom. I/s	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,761 16 90,480 98	282.1 13 6.4 160 7,771	292.3 12 3.4 6.5 8,258	3.5 6.4 10,120 7,642 8 8,26	11 3 3.4 4 6.	Step  4  5  6  2,5  2,2  11,2  8,3  28  9,0  Micrococrew co  2  113,3  10	3.4   553   238   200   316   338   9, hannel mpress   2   propelle   0   080	10 3.2 6.3 12 9 053 10 or	2,280 0,655 0,856 22 4,390 106	15 3.5 6.1	14   3.3   6.3   13,3   10,8   12,031   24   135,7   103	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure levee	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling	Height Width Depth n weight e Cooling Nom. Nom.	kW  %  mm mm kg kg kg  Nom. 1/:	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480	13 6.4 160 7,771	292.3 12 3.4 6.5 1 8,258	3.5 6.4 10,120 7,642 8 8,26	11 3 3.4 4 6.	Step 4 5 6 2,5 11,2 8,3 28 9,0 Microcorrew co 20 Direct p 20 213,3 10 78	3.4   5553   338   200   316   338   9, hannel mpress 2   2   2   2   2   3   3   3   3   3	10 3.2 6.3 12 9 053 10 or	2,280 0,655 0,856	15 3.5 6.1	14 3.3 6.3 13,3 10,8 12,031 24 135,7	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling Cooling	Height Width Depth n weight e Cooling Nom. Nom. Cooling	kW  %  mm mm mm kg kg kg  Nom. I/s	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,761 16 90,480 98	13 6.4 160 7,771	292.3 12 3.4 6.5 8,258	3.5 6.4 10,120 7,642 8 8,26	11 3 3.4 4 6.	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0 Micrococrew coo 20 Direct p 22 113,3 10 78 -20	3.4   5553   338   200   316   338   9,	10 3.2 6.3 12 9 053 10 or	2,280 0,655 0,856 22 4,390 106	15 3.5 6.1	14   3.3   6.3   13,3   10,8   12,031   24   135,7   103	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Air flow rate Cooling I Cooling I Cooling I Cooling I Cooling I Cooling Type/GW	Height Width Depth n weight e Cooling Nom. Nom. Cooling	Nom. I//  Black  Min.~Max. °CDE	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480 98 76	282.1 13 6.4 160 7,771	292.5 12 3.4 6.5 8,258 10 101 77	3.5 6.2 10,120 7,642 8 8,26 18 01,780	11 3 3.3.4 6. 58 9,0 Sc	Step 4 5 6 2,5 2,2 11,2 8,3 28 9,0 Microcorew co 20 Direct p 2 113, 3 10 78 -20 R-134a	3.4   553   238   200   2316   238   9,	10 3.2 6.3 12 9 053 10 or r	2,280 0,655 0,856 22 4,390 106 79	19.5 15 3.5 6.1 12,016	14 3.3 6.3 13,3 10,8 12,031 22 135,7 103 80	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Cooling Method Minimum  Unit Unit Operation Type Quantity Type Quantity Air flow rate Cooling I Cooling I Cooling I Cooling I Cooling Cooling I Cooling	Height Width Depth Depth Processing Nom. Nom. Cooling Processing Nome Processing Nome Processing Nome Processing Nome Nome Nome Nome Nome Nome Nome Nome	Nom. I//  Min.~Max. °CDE	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,761 16 90,480 98	13 6.4 160 7,771	292.3 12 3.4 6.5 8,258	3.5 6.2 10,120 7,642 8 8,26 18 01,780	11 3 3.3.4 6. 58 9,0 Sc	Step 4 5 6 2,5 8,3 8,3 28   9,0 Microcorew co 20 Direct p 2 113, 3   10 78 -20 R-134a 5   16	3.4   5553   338   200   316   338   9, hannel mpress 2   2   2   2   3   3   3   3   3   3	10 3.2 6.3 12 9 053 10 or r	2,280 0,655 0,856 22 4,390 106	15 3.5 6.1	14   3.3   6.3   13,3   10,8   12,031   24   135,7   103	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Cooling Method Minimum  Unit Unit Operation Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Charge Circuits	Height Width Depth weight Cooling Nom. Nom. Cooling P	Nom. 1/2 dBA Min.~Max. °CDE	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480 98 76	282.1 13 6.4 160 7,771	292.3 12 3.4 6.5 8,258 10 101 77	3.5 6.4 10,120 7,642 8 8,26 18 01,780 10.2	11 3 3.3.4 6. 58 9,0 Sc	Step 4 5 6 2,5 8,3 8,3 28   9,0 Microcorew co 20 Direct p 2 113, 3   10 78 -20 R-134a 5   16	3.4   553   238   200   2316   238   9,	10 3.2 6.3 12 9 053 10 or r	2,280 0,655 0,856 22 4,390 106 79	19.5 15 3.5 6.1 12,016	14 3.3 6.3 13,3 10,8 12,031 24 135,7 103 80 215	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operation Type Quantity Airflowrate Cooling I Cooling Air side Type/GW Charge Circuits	Height Width Depth Depth Nom. Nom. Cooling P	Nom. 1/2 dBA dBA Min.~Max. °CDE	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480 98 76	282.1 13 6.4 160 7,771	292.3 12 3.4 6.5 8,258 10 101 77	3.5 6.2 10,120 7,642 8 8,26 18 01,780	11 3 3.3.4 6. 58 9,0 Sc	Step  4  5  6  2,5  2,2  11,2  8,3  28  9,0  Microscrew co  Crew co  Direct p  2  113,3  10  78  -20  R-134a5  11  78	3.4   553	10 3.2 6.3 12 9 053 10 or r	2,280 0,655 0,856 22 4,390 106 79	19.5 15 3.5 6.1 12,016	14 3.3 6.3 13,3 10,8 12,031 22 135,7 103 80	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Cooling Method Minimum  Unit  Unit  Operation Type Quantity Type Quantity Type Quantity Type Quantity Type Quantity Type Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Height Width Depth n weight  Cooling Nom. Nom. Cooling P  Quantity or water int	Nom. I/s dBA dBA Min.~Max. °CDE	233.2 10 3.4 6.4 6,904 7,495	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480 98 76	282.1 13 6.4 160 7,771	292.3 12 3.4 6.5 8,258 10 101 77	3.3 6.4 7,642 8 8,26 18 118 107,780 107	11 3 3.4 4 6. 58 9,0 50 1	Step  4  5  6  2,5  2,2  11,2  8,3  8,3  228  9,0  Microcorrew co  Direct p  2  113,3  10  78  -20  R-134a  5  16	3.4   553   553   553   553   553   553   553   553   553   553   554   555   554   555   554   555	12.   6.3   12.   6.3   13.   6.3   14.   15.	2,280 0,655 0,856 22 4,390 106 79	19.5 15 3.5 6.1 12,016	14 3.3 6.3 13,3 10,8 12,031 224 135,7 103 80 215	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Cooling Cooling Circuits Evaporate Starting curren Running	Height Width Depth on weight Nom. Cooling P  Quantity Or water in t Max Cooling Cooling	Nom. I/9  Nom. I/9  Min.~Max. °CDE  kg  Min.~Max. Ag  Nom	233.2 10 3.4 6.4 6,904 7,495 105 84 110	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480 98 76	282.1 13 6.4 160 7,771 100	292.3  12 3.4  6.5  1,  8,258  10  101  77  135  21'	3.3 6.4 10,120 7,642 8 8,26 10,780 10,780 10,780	11 3 3.3.4 6.58 9,00 Solution 55 15 15 15 15 15 15 15 15 15 15 15 15	Step  4  5  6  2,5  8,7  11,2  8,7  8,7  8,7  10,7  11,2  11	3.4   5553   538   200   316   338   9,	11.	2,280 ,,655 ),856 22 4,390 106 79	19.5 15 3.5 6.1 12,016	14 3.3 6.3 13,3 10,8 12,031 22 135,7 103 80 215 273mm 852	528.4 13 3.2 6.2 60 05 12,046 700 104 8 230	12 3 6 12,061 105 1 245
Power input Capacity control EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits Evaporate Starting current	Height Width Depth n weight  Cooling Nom. Nom. Cooling P  Quantity or water int	Nom.  Nom.  I//  Blet/outlet (OD)  Nom.  A  Nom.  A  Nom.  A	233.2 10 3.4 6.4 6,904 7,495 105 84 110 470.4 573	250.8 14 3.5 6.6 9,040 7,7,761 16 90,480 98 76	282.1 13 6.4 160 7,771	292.3 12 3.4 6.5 8,258 10 101 77	3.3 6.4 10,120 7,642 8 8,26 10,780 10,780 10,780	11 3 3.3.4 6.58 9,00 Solution 55 15 15 15 15 15 15 15 15 15 15 15 15	Step  4	3.4   5553   538   200   316   338   9,	11.	2,280 0,655 0,856 22 4,390 106 79	19.5 15 3.5 6.1 12,016	14 3.3 6.3 13,3 10,8 12,031 224 135,7 103 80 215	528.4 13 3.2 6.2 60 05 12,046	12 3 6 12,061

# Inverter screw with GOLD efficiency. Reduced sound.

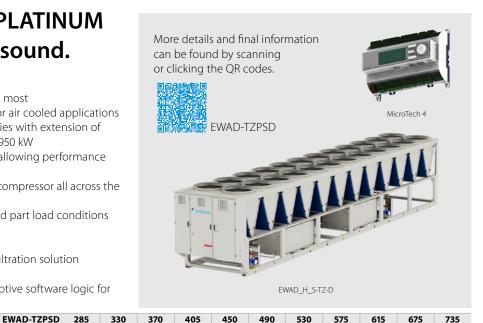
- > Environmentally conscious HFC134a the most thermodynamically efficient refrigerant for air cooled applications
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



CEED			EWAD-IZXH	-	95	345	380	440	515	525	565	565	610	635	670	705	725	760
SEER				5.	507	5.938	5.866	6.042	5.901	6.037	6.159	5.944	6.029	6.039	5.922	5.418	5.964	5.358
Cooling capacity	Nom.		k	W 29	90.7	340.9	373.4	431	502.3	518.8	555.4	559.5	604.2	622.3	660.4	691.7	714.9	745.6
Power input	Cooling	Nom.	k	W 89	9.12	101.1	116.3	118.5	149.8	144.1	160.2	161.7	174.5	190.5	200.1	209.3	219.2	236.6
Capacity control	Method										Ste	oless						
	Minimum	capacity		% 2	22	19	17	28	23	13	22	12	11	19	10	30	10	28
EER				3	3.3	3.4	3.2	3.6	3.4	3.6		3.5				3.3		3.2
IPLV				- 6	6.1	6.3	6.2	6.	.5	6.3	6.7		.2	6.6	6.1	5.8	6.2	5.8
Dimensions	Unit	Height	m									553						
		Width	m	_						1		238			1			
14/ 1 1 .	11 1	Depth	m		640	4,7		5,8			6,880	F 460	7,960	6,880			7,960	
Weight	Unit			_	375	3,8		4,6		5,468		5,468	5,949	5,256		-	6,066	
A:- b	Operation	weignt		(g   3,4	455	3,988	3,993	4,807.1	4,817.1	5,/93			6,289	5,41/.3	6,294	6,096.3	6,464	6,106.3
Air heat exchanger Compressor				-								hannel	~-					
Compressor	Type Quantity			-			1			2	crew co	_	2	1	2	1	2	1
Fan	Type			-			- '				Direct p							1
raii	Quantity					8	2	10	0		12	Jopene	14	12	14	12	14	12
	Air flow rate	Cooling	Nom.	/s 28	930	37,7		47,2			56,660		_	_	_	56,660		_
Sound power level		Nom.	de		,330 87	88	92		8		90		91	93	91	90	92	90
Sound pressure level		Nom.	dE	-	67		71	67	68			59	21	72	69	68	70	69
Operation range	Air side	Cooling	Min.~Max. °CE	-	- 00		71	0,	00			~46		/ / 2	1 09	_ 00	,,,	07
Refrigerant	Type/GWI		Willia Waxa CE									a/1,430						
	Charge		- !	cg 4	40	45	50	60	7	0	75	80	5	85	90	95	100	105
		Quantity		,9			1			2	1		2	1	2	1	2	1
Piping connections					8	38.9mm		139.7	mm		139.7mm		- 3mm	139.7mn	168.3mr		168.3mm	139.7mm
Unit	Starting current			Α								0						
		Cooling	Nom.	A 19	93.6	221.9	241.5	252.5	299.5	326	323.5	356.7	387.5	368.6	431.6	396.2	454.1	436.4
	current	Max		A 2	224	261	289	314	342	389	404	429	457	452	498	520	535	568
Power supply	Phase/Fre	quency/V	/oltage Hz,	′V							3~/50	7400						
			EWAD-TZXR	ם מ	305	880	950	C10	H10	0 H	11 (	12 F	112	H13	H14	H15	H16	H17
SEER			LWAD-IZAN		.169	6.363	6.179							_	5.883	5.764	5.704	5.537
Cooling capacity	Nom.		k	-	92.9	867.7	937.7		_					_	1,434	1,543	1,641	1,729
Power input	Cooling	Nom.		_	31.9	250.8	283.9							_	424.5	480.3	539.4	603.9
Capacity control	Method											oless						
	Minimum	capacity		%	10	14	13	12		11			10		15	14	13	12
					10	14											3	2.9
EER				_	3.4	3.5	3.3	3.4	3.2	2   3.	3	3.2		3.1	3.4	3.2		
EER IPLV				3			3.3 6.4			_			5.4	3.1	3.4 6.1	3.2 5.9	6.2	5.8
	Unit	Height	m	3	3.4	3.5	_	3.4		_	6		5.4	3.1			6.2	5.8
IPLV		Height Width	m m	m E	3.4	3.5	_	3.4	_	_	6 2,	(	5.4	3.1			6.2	5.8
IPLV				m m	3.4	3.5	_	3.4 6.6	_	_	6 2,5 2,2	553		2,280				5.8
IPLV		Width	m m	m m m	3.4	3.5 6.6 9,040	_	3.4 6.6	6.4	_	6 2,2 2,2 11,2 8,4	553 238 200 436	12			5.9	60	5.8
IPLV Dimensions	Unit	Width Depth	m m I	m m m m	3.4 6.4	3.5 6.6 9,040	6.4	3.4 6.6	6.4	6.	6 2,5 2,7 11,7 8,4 48 9,7	553 238 200 436	12	2,280		13,3 10,9	60 25	
IPLV Dimensions	Unit Unit Operation	Width Depth	m m I	m m m m	3.4 6.4 024	3.5 6.6 9,040 7,7	6.4	3.4 6.6	6.4 10,120 7,762	88 9,1	6 2,5 2,2 11,3 8,4 48 9,7 Microc	553 238 200 436 158 9 channel	12 9 173 10	2,280	6.1	13,3 10,9	60 25	
IPLV Dimensions Weight	Unit Unit Operation Type Type	Width Depth	m m I	m m m m	3.4 6.4 024	3.5 6.6 9,040 7,7	6.4	3.4 6.6	6.4 10,120 7,762	88 9,1	6 2,5 11,2 8,4 48 9,7 Micrococrew co	553 238 200 436 158 9 channel	12 9 173 10	2,280	6.1	13,3 10,9	60 25	
IPLV Dimensions  Weight  Air heat exchanger Compressor	Unit Unit Operation Type Type Quantity	Width Depth	m m I	m m m m	3.4 6.4 024	3.5 6.6 9,040 7,7	6.4	3.4 6.6	6.4 10,120 7,762	88 9,1 S	6 2,3 11,3 8,4 48 9, Microc	553 238 200 436 158 9 channel empress	12 9 173 10	2,280	6.1	13,3 10,9	60 25	
IPLV Dimensions Weight Air heat exchanger	Unit Unit Operation Type Type Quantity Type	Width Depth	m m I	m m m m	3.4 6.4 024	3.5 6.6 9,040 7,7,881	6.4	3.4 6.6	6.4 10,120 7,762 8 8,38	88 9,1 S	6 2,2 2,2 11,2 8,4 48 9, Microoccrew co	553 238 200 436 158 9 Channel Impress 2	12 9 173 10	2,280 9,775 0,976	6.1	13,3 10,9 12,151	60 25 12,166	
IPLV Dimensions  Weight  Air heat exchanger Compressor	Unit  Operation Type Type Quantity Type Quantity Output Type Quantity	Width Depth n weight	m m	m m m kg 7, kg 7,	3.4 6.4 024	3.5 6.6 9,040 7,7 7,881	280 7,891	3.4 6.6	6.4 10,120 7,762 8 8,38	88 9,1 S	6 2,4 2,2 11,, 8,4 48 9, Microoccrew.co	553 238 200 436 158 9 Channel Impress 2 propelle	12 9 1773 10 or	2,280 9,775 0,976	6.1	13,33 10,9 12,151	60 25 12,166	
IPLV Dimensions Weight Air heat exchanger Compressor Fan	Unit  Unit Operation Type Type Quantity Type Quantity Air flow rate	Width Depth  weight  Cooling	m m	m m m kg 7, kg 7,	024 ,615	3.5 6.6 9,040 7,7,881	280 7,891	3.4 6.6	6.4 10,120 7,762 8 8,38 18 84,980	4 6. 38 9,1	6 2,4 2,2 11,2 8,4 48 9, Microo Crew co	5553 238 2000 436 158 9 5 channel 5 mpress 2 propelle 20 420	12,173 10 or	2,280 9,775 0,976 22 23,870	12,136	13,31 10,9 12,151	60 25 12,166	12,181
IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling	Width Depth  weight  Cooling Nom.	M m m	m m m sg 7, sg 7, sg 7, sg 8A 9	3.4 6.4 .024 .615	3.5 6.6 9,040 7,7,881 16 75,540 90	280 7,891	3.4 6.6 1 8,378	6.4 10,120 7,762 8 8,38	\$ 9,1	6 2,4 2,7 11,1 8,4 48 9, Microc crew co	553 238 200 436 158 9 channel impress 2 2 oropelle 20 420	12,173 10 or or 10	2,280 9,775 0,976 22 03,870 95	12,136	13,31 10,9 12,151 24 113,3	60 25 12,166 1 4 320	12,181
IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling	Width Depth  weight  Cooling Nom. Nom.	M m m	m m m m m m m m m m m m m m m m m m m	024 ,615	3.5 6.6 9,040 7,7,881	280 7,891	3.4 6.6	6.4 10,120 7,762 8 8,38 18 84,980	4 6. 38 9,1	6 2,4 2,7 11,1 8,4 48 9, Micrococrew co	553 238 200 436 158 9 channel impress 2 propelle 20 420	12,173 10 or	2,280 9,775 0,976 22 23,870	12,136	13,31 10,9 12,151	60 25 12,166 1 4 320	12,181
IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range	Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling Air side	Width Depth  weight  Cooling Nom. Nom. Cooling	M m m	m m m m m m m m m m m m m m m m m m m	3.4 6.4 .024 .615	3.5 6.6 9,040 7,7,881 16 75,540 90	280 7,891	3.4 6.6 1 8,378	6.4 10,120 7,762 8 8,38 18 84,980	\$ 9,1	6 2,: 2,: 11,: 8,: 48 9, Microo crew co	553 238 200 436 158 9 channel impress 2 oropelle 20 420 94 97 ~46	12,173 10 or or 10	2,280 9,775 0,976 22 03,870 95	12,136	13,31 10,9 12,151 24 113,3	60 25 12,166 1 4 320	12,181
IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI	Width Depth  weight  Cooling Nom. Nom. Cooling	Mom.  Nom.  de de Min.~Max.  *CC	/s	024 .615 94 72	3.5 6.6 9,040 7, 7,881 16 75,540 90 68	280 7,891	3.4 6.6 1 8,378 8	6.4 10,120 7,762 8 8,38 18 34,980 92	9 70	6 2,: 2,: 11,: 8,: 48 9, Microo crew co  Direct p 2 94, 3 5 -20 R-134:	553 238 200 436 158 9 channel impress 2 oropelle 20 420 24 27 ~46 a/1,430	12. 9.173 10 or er 10.996	2,280 9,775 0,976 22 03,870 95 72	93	13,30 10,9 12,151 24 113,3 3	60 25 12,166 4 320 9	12,181 4 71
IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GWI Charge	Width Depth  weight  Cooling Nom. Nom. Cooling	Mom.  Nom.  de de Min.~Max.  *CC	/s	3.4 6.4 .024 .615	3.5 6.6 9,040 7,7,881 16 75,540 90	280 7,891	3.4 6.6 1 8,378	6.4 10,120 7,762 8 8,38 18 34,980 92	9 70	6 2,2 2,2 11,1 8,4 48 9,7 Microocrew co	553 238 200 436 158 9 20n 920 94 94 97 94 97 94 97 94 97 94 97 94 97 95 96 97 97 98 98 98 98 98 98 98 98 98 98 98 98 98	12. 9.173 10 or er 10.996	2,280 9,775 0,976 22 03,870 95	12,136	13,31 10,9 12,151 24 113,3	60 25 12,166 1 4 320	12,181
IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Unit Operation Type Type Quantity Air flow rate Cooling I Cooling Air side Type/GWI Charge Circuits	Width Depth  Nom. Nom. Cooling Quantity	Mom.  Nom.  de de Min.~Max.  CCC	/s	024 .615 94 72	3.5 6.6 9,040 7, 7,881 16 75,540 90 68	280 7,891	3.4 6.6 1 8,378 8 8 69	10,120 7,762 8 8,38 18 34,980 92	9 70	6 2,2 2,2 11,1 8,4 48 9,7 Microocrew co	553 238 200 436 158 9 channel impress 2 oropelle 20 420 24 27 ~46 a/1,430	12. 9.173 10 or er 10.996	2,280 9,775 0,976 22 03,870 95 72	93 69	13,31 10,9 12,151 24 113,3 3 70	60 25 12,166 4 320 9	12,181 4 71
IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GWI Charge Circuits	Width Depth  Cooling Nom. Nom. Cooling Quantity or water in	Mom.  Nom.  de de Min.~Max.  CCC	3	024 .615 94 72	3.5 6.6 9,040 7, 7,881 16 75,540 90 68	280 7,891	3.4 6.6 1 8,378 8 8 69	6.4 10,120 7,762 8 8,38 18 34,980 92	9 70	6 2,: 2,2 11,: 8,4 48 9; Micros corew co  Direct p 2 94, 3 9; -20 R-134; 55 11	553 238 200 436 436 458 9 54 9 67 9 67 9 67 9 67 9 67 9 67 9 67 9 67	12. 9.173 10 or er 10.996	2,280 9,775 0,976 22 03,870 95 72	93 69	13,30 10,9 12,151 24 113,3 3	60 25 12,166 4 320 9	12,181 4 71
IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GWI Charge Circuits Evaporate Starting current	Width Depth  Cooling Nom. Nom. Cooling Quantity or water in	Mom.  Nom.  de  di  Min.~Max.  *CC	3	024 .615 94 72	3.5 6.6 9,040 7,7,881 16 75,540 90 68	6.4 280 7,891 91	3.4 6.6 1 8,376 8 8 69	6.4 10,120 7,762 8 8,38 18 34,980 92 145	4 6. 38 9,1 5 9	6 2,: 2,2 11,: 8,4 48 9; Micros corew co  Direct p 2 94,: 3 9 -20 R-1344: 5 16	553 238 2000 436 158 9 5channel 5mpress 2 2 72 2 440 44 9 72 2 46 65 1 2	12,173 10 or 10 96 74	2,280 9,775 0,976 22 03,870 95 72	6.1 12,136 93 69	13,31 10,9 12,151 24 113,3 3 70 215	60 25 12,166 4 320 9	12,181 4 71 245
IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GWI Charge Circuits	Width Depth  Cooling Nom. Nom. Cooling Quantity or water in	Mom.  Nom.  de  di  Min.~Max.  *CC	3	024 .615 94 72	3.5 6.6 9,040 7, 7,881 16 75,540 90 68	6.4 280 7,891 91	3.4 6.6 1 8,376 8 8 69	10,120 7,762 8 8 8,38 18 14,980 92 145 19,1mm	4 6. 888 9,1 S 9 70	6 2,4 2,2 11,1 8,4 48 9,7 Microoccrew co	553 238 200 436 158 9 5channel impress 2 2 2 72 44 62 2 2 2 46 a/1,430 55 1 2	12,173 10 or or 10,173 10 or 10,173 10 10,173 0,173 10 10 10 10 10 10 10 10 10 10 10 10 10 1	2,280 9,775 0,976 22 03,870 95 72	93 69	13,31 10,9 12,151 24 113,3 3 70	60 25 12,166 4 320 9	12,181 4 71

# Inverter screw with PLATINUM efficiency. Standard sound.

- > Environmentally conscious HFC134a the most thermodynamically efficient refrigerant for air cooled applications
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			E	WAD-TZPSD	285	330	370	405	450	490	530	575	615	675	735
SEER					6.29	6.465	6.389	6.687	6.64	6.567	6.391	6.301	6.28	6.161	6.216
Cooling capacity	Nom.			kW	285.8	330.4	367.9	401.5	447	486.1	529.6	571.8	617.7	676.1	733.5
Power input Capacity control	Cooling Method	Nom.		kW	77.75	92.02	106	105.2	117.3	130.3 Stepless	143.1	158.6	171.1	194	210.7
capacity control	Minimum	capacity		%	23	20	18	30	28	25	13	12	11	10	0
EER		capacity		,,,	3.7	3.6	3.5		.8	3			.6		.5
IPLV						.7	6.6	7.3	7.6	7.5	6.7	6.6	6.5	6.4	6.5
Dimensions	Unit	Height		mm			0.0	7.5	7.0	2,553	0.,	0.0	0.5		0.5
		Width		mm						2,238					
		Depth		mm	4,720	5,8	300		6,880	,	7,9	960		9,040	
Weight	Unit			kg	3,775	4,2	256	5,050	5,1	36	5,8	329	6,3	311	6,427
,	Operation	n weight		kg	3,863	4,349	4,354	5,163.1	5,272.3		6,159	6,164	6,651	6,661	6,825
Air heat exchanger	Туре								М	icrochanr	nel				
Compressor	Туре								Scre	w compre	essor				
•	Quantity							1					2		
Fan	Туре								Dir	ect prope	ller				
	Quantity				8	1	10		12		1	4		16	
	Air flow rate	Cooling	Nom.	I/s	45,240	56,	540		67,850		79,	170		90,480	
Sound power level	Cooling	Nom.		dBA	97	98	100	95	96	98	10	00	10	)1	102
Sound pressure level	Cooling	Nom.		dBA	78	81	82	74	7		79	80	81	8	3
Operation range	Air side	Cooling	Min.~Max.	°CDB						-20 ~46					
Refrigerant	Type/GWI	)								-134a/1,43					
	Charge			kg	40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity						1					2		
Piping connections			nlet/outlet (OD)			88.9mm			139.7mm				168.3mm		
Unit	Starting current			Α						0					
	Running		Nom.	Α	174	204	229	233	249	269	318	345	374	414	442
	current	Max		A	220	258	285	293	352	404	399	429	468	508	535
Power supply	Phase/Fre	quency/V	/oltage	Hz/V					3	3~/50 /400	)				
			E	WAD-TZPSD	810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
SEER					6.48	6.725	6.602	6.648	6.483	6.529	6.398	6.263	6.31	5.978	5.928
Cooling capacity	Nom.			kW	809.8	885.5	958.4	1,003	1,072	1,137	1,203	1,298	1,372	1,455	1,568
Power input	Cooling	Nom.		kW	226.1	242.4	271.7	281.9	312.5	325.9	357.4	387.4	409.1	409.5	462.1
Capacity control	Method									Stepless					
	Minimum	capacity		%	10	14	13	12		1		10		15	14
EER					3.6	3.7	3.5	3.6	3.4	3.5		3.4	_	3.6	3.4
IPLV					6.8	7	6.8	6.5	6.7	6.9	6.7	6.	.6	6.2	6.5
Dimensions	Unit	Height		mm						2,553					
Dimensions	Unit	Width		mm		10.120			200	2,553	12 200			12.260	
				mm mm	7205	10,120	:42		200	2,238	12,280	0.655	10.126	13,360	205
	Unit	Width Depth		mm mm kg	7,385	7,6	542	8,1	123	2,238	98	9,655	10,136	10,8	
Weight	Unit Operation	Width Depth		mm mm	7,385 7,976		542 8,253		123 8,754	2,238 8,7 9,515	98 9,520	9,655 10,846	10,136 11,337		805 12,036
Weight Air heat exchanger	Unit Operation Type	Width Depth		mm mm kg		7,6		8,1	123 8,754 M	2,238 8,7 9,515 icrochanr	98 9,520 nel			10,8	
Weight Air heat exchanger	Unit Operation Type Type	Width Depth		mm mm kg		7,6		8,1	123 8,754 M	2,238 8,7 9,515 icrochanr w compre	98 9,520 nel			10,8	
Weight Air heat exchanger Compressor	Unit Operation Type Type Quantity	Width Depth		mm mm kg		7,6		8,1	8,754 M Scre	2,238 8,7 9,515 icrochanr w compre 2	98 9,520 nel essor			10,8	
Weight Air heat exchanger Compressor	Unit Operation Type Type Quantity Type	Width Depth		mm mm kg		7,6 8,243		8,1 8,744	123 8,754 M Scre	2,238 8,7 9,515 icrochanr w compre	98 9,520 nel essor			10,8 12,021	
Dimensions  Weight  Air heat exchanger Compressor  Fan	Unit Operation Type Type Quantity Type Quantity	Width Depth n weight	Nom.	mm mm kg kg		7,6 8,243		8,1 8,744	123 8,754 M Scre Dire	2,238 8,7 9,515 icrochanr w compre 2	98 9,520 nel essor			10,8 12,021	
Weight Air heat exchanger Compressor Fan	Unit Operation Type Type Quantity Type Quantity Air flow rate	Width Depth n weight	Nom.	mm mm kg kg	7,976	7,6 8,243 18 101,780	8,253	8,744 8,744 2 113,1	8,754 M Scre Direction	2,238 8,7 9,515 icrochanr w compre 2 ect prope	98 9,520 nel essor tller 22 140,200	10,846	11,337	10,8 12,021 24 152,940	12,036
Weight Air heat exchanger Compressor Fan Sound power level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling	Width Depth  n weight  c Cooling Nom.	Nom.	mm mm kg kg l/s	7,976	7,6 8,243 18 101,780 99	8,253	8,1 8,744	8,754 M Scre Dire 00 080	2,238 8,7 9,515 icrochanr w compre 2	98 9,520 nel essor eller 22 140,200 105	10,846	11,337	10,8 12,021 24 152,940 102	12,036
Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling	Width Depth  n weight  Cooling Nom. Nom.		mm mm kg kg l/s dBA dBA	7,976	7,6 8,243 18 101,780 99	8,253	8,744 8,744 2 113,1	8,754 M Scre Direction	2,238 8,7 9,515 icrochanr w compre 2 ect prope	98 9,520 nel essor eller 22 140,200 105	10,846	11,337	10,8 12,021 24 152,940 102	12,036
Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling	Width Depth  weight  Cooling Nom. Nom. Cooling		mm kg kg l/s	7,976	7,6 8,243 18 101,780 99	8,253	8,744 8,744 2 113,1	123 8,754 M Scre Dir. 10 080 102 77	2,238 8,7 9,515 icrochanr w compre 2 ect prope 103	98 9,520 nel essor eller 22 140,200 105	10,846	11,337	10,8 12,021 24 152,940 102	12,036
Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	Width Depth  weight  Cooling Nom. Nom. Cooling		mm mm kg kg l/s	7,976	7,6 8,243 18 101,780 99	8,253	8,744 8,744 2 113,1	123 8,754 M Scre Dir. 10 080 102 77	2,238 8,7 9,515 icrochanr w compre 2 ect prope	98 9,520 nel essor eller 22 140,200 105	10,846	11,337	10,8 12,021 24 152,940 102	12,036
Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI	Width Depth  weight  Cooling Nom. Nom. Cooling	Min.~Max.	mm kg kg l/s dBA dBA cCDB	7,976 105 84	18 101,780 99 7	8,253 100 76	8,744 2 113, 101	8,754 M Scre Dir. 00 080 102 77	2,238 8,7 9,515 icrochanr w compre 2 ect prope 103 -20 ~46 -134a/1,43	98 9,520 nel essor eller 22 140,200 105 7	10,846	11,337	24 152,940 102	12,036 103 80
Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits	Width Depth  Neight  Cooling Nom. Nom. Cooling P	Min.~Max.	mm kg kg l/s dBA dBA °CDB	7,976 105 84	18 101,780 99 7	8,253 100 76	8,144 8,744 2 113, 101	8,754 M Scre Dir. 00 080 102 77	2,238 8,7 9,515 icrochanr w compre 2 ect prope 103 -20 ~46 -134a/1,43 160	98 9,520 nel essor eller 22 140,200 105 7	10,846	106 79	10,8 12,021 24 152,940 102 9	12,036 103 80
Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits Evaporate	Width Depth  Percentage Cooling Nom. Nom. Cooling Percentage Country Quantity Or water in	Min.~Max.	mm kg kg l/s dBA dBA cCDB	7,976 105 84	18 101,780 99 7	8,253 100 76	8,744 2 113, 101	8,754 M Scre Dir. 00 080 102 77	2,238 8,7 9,515 icrochanr w compre 2 ect prope 103 -20 ~46 -134a/1,43 160	98 9,520 nel essor eller 22 140,200 105 7	10,846	11,337	10,8 12,021 24 152,940 102 9	12,036 103 80
Weight Air heat exchanger Compressor	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits	Width Depth  Provided the cooling of	Min.~Max.  / nlet/outlet (OD)	mm kg kg l/s dBA dBA °CDB	7,976 105 84	18 101,780 99 7	8,253 100 76	8,144 8,744 2 113, 101	8,754 M Scre Dir. 00 080 102 77	2,238 8,7 9,515 icrochanr w compre 2 ect prope 103 -20 ~46 -134a/1,43 160 2	98 9,520 nel essor eller 22 140,200 105 7	10,846	106 79	10,8 12,021 24 152,940 102 9	12,036 103 80
Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits Evaporate Starting current	Width Depth  Cooling Nom. Nom. Cooling P  Quantity Or water in Max Cooling	Min.~Max.  / nlet/outlet (OD)	mm kg kg l/s dBA dBA °CDB	7,976 105 84	7,6 8,243 18 101,780 99 7	8,253 100 76	8,1 8,744 2 113,1 101 140 219.1mm	8,754   M   Scre   Dir.   0   0   0   0   0   0   0   0   0	2,238 8,7 9,515 icrochanr w compre 2 ect prope 103 -20 ~46 -134a/1,43 160 2	998 9,520 nel essor Iller 22 140,200 105 7	10,846	11,337 106 71 190 2731	10,8 12,021 24 152,940 102 9	103 80 220

## Inverter screw with PLATINUM efficiency. Reduced sound.

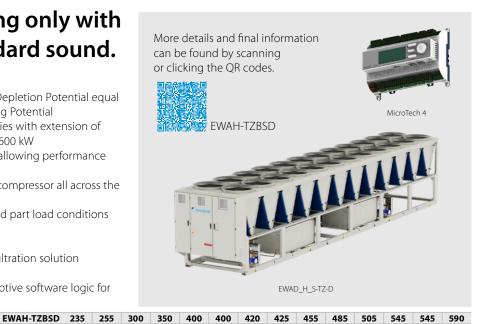
- > Environmentally conscious HFC134a the most thermodynamically efficient refrigerant for air cooled applications
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,950 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EWAD-TZPRD	285	330	370	405	450	490	530	575	615	675	735
SEER				6.232	6.448	6.358	6.622	6.542	6.467	6.421	6.322	6.325	6.183	6.254
Cooling capacity	Nom.		kW	283.7	328.4	365	398.8	443.9	482.4	524.8	566.5	612.5	669.9	726
Power input	Cooling	Nom.	kW	75.13	88.51	103.1	101	113.6	127.2	139	155.2	166.8	190.7	208.2
Capacity control	Method								Stepless					
	Minimum	capacity	%	23	20	18	30	28	25	13	12	11		0
EER				3.8	3.7	3.5	4	3.9		.8		.7		.5
IPLV				6.7	6.8	6.6	7.2	7.5	7.4	6.7	6.6	6.5	6.4	6.5
Dimensions	Unit	Height	mm						2,553					
		Width	mm						2,238					
		Depth	mm	4,720	5,8	300		6,880		7,9	60		9,040	
Weight	Unit		kg	3,895	4,3	376	5,170	5,2	256		949	6,	431	6,547
	Operation	n weight	kg	3,983	4,469	4,474	5,283.1	5,392.3	5,397.3	6,279	6,284	6,771	6,781	6,945
Air heat exchanger									icrochanr					
Compressor	Type							Scre	w compre	essor				
	Quantity						1					2		
Fan	Type							Dir	ect prope	ller				
	Quantity			8	1	0		12		1	4		16	
	Air flow rate	Cooling Nom.	I/s	37,770		210		56,660		66,	100		75,540	
Sound power level	Cooling	Nom.	dBA	88	89	90	8	88	89		9	91		92
Sound pressure level	Cooling	Nom.	dBA	6	8	69	(	57	68		6	9		70
Operation range	Air side	Cooling Min.~Max.	°CDB						-20 ~46					
Refrigerant	Type/GW	Р						R	-134a/1,43	80				
	Charge		kg	40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity					1					2		
Piping connections	Evaporate	or water inlet/outlet (O	D)		88.9mm			139.7mm				168.3mm		
Unit	Starting curren	t Max	Α						0					
	Running	Cooling Nom.	Α	176.6	207.4	232.7	236.3	253.2	273.8	324.3	352.5	381.3	422.7	448
	current	Max	Α	220	258	285	293	352	404	399	429	468	508	535
Power supply	Phase/Fre	equency/Voltage	Hz/V						3~/50 /400	0				
			EWAD-TZPRD	810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
								1110		CIZ				
SEER								6.515	6.683	6.555	6.433	6.432		
	Nom.			6.51	6.771	6.598	6.661	6.515 1.061	6.683 1.126	6.555 1.190	6.433 1.282	6.432 1.356	6.055	5.932
Cooling capacity	Nom.	Nom.	kW	6.51 801.7	6.771 876.7	6.598 948.2	6.661 993	1,061	1,126	1,190	1,282	1,356	6.055 1,435	5.932 1,544
Cooling capacity Power input	Cooling	Nom.		6.51	6.771	6.598	6.661		1,126 324.7				6.055	5.932 1,544
SEER Cooling capacity Power input Capacity control	Cooling Method		kW kW	6.51 801.7 222.8	6.771 876.7 240.2	6.598 948.2 271.1	6.661 993 280	1,061 312.2	1,126 324.7 Stepless	1,190	1,282 389.9	1,356	6.055 1,435 413.9	5.932 1,544 469.4
Cooling capacity Power input Capacity control	Cooling		kW	6.51 801.7 222.8	6.771 876.7 240.2	6.598 948.2 271.1	6.661 993 280	1,061 312.2	1,126 324.7 Stepless	1,190	1,282 389.9	1,356	6.055 1,435 413.9	5.932 1,544 469.4
Cooling capacity Power input Capacity control EER	Cooling Method		kW kW	6.51 801.7 222.8 10	6.771 876.7 240.2 14	6.598 948.2 271.1	6.661 993 280 12	1,061 312.2	1,126 324.7 Stepless 11 3.5	1,190 357.7	1,282 389.9 10 3.3	1,356 410.4	6.055 1,435 413.9 15 3.5	5.932 1,544 469.4 14 3.3
Cooling capacity Power input Capacity control EER IPLV	Cooling Method Minimum	capacity	kW kW	6.51 801.7 222.8	6.771 876.7 240.2	6.598 948.2 271.1	6.661 993 280	1,061 312.2	1,126 324.7 Stepless 11 3.5 7	1,190 357.7	1,282 389.9	1,356	6.055 1,435 413.9	5.932 1,544 469.4
Cooling capacity Power input Capacity control EER IPLV	Cooling Method	capacity Height	kW kW %	6.51 801.7 222.8 10	6.771 876.7 240.2 14	6.598 948.2 271.1	6.661 993 280 12	1,061 312.2	1,126 324.7 Stepless 11 3.5 7 2,553	1,190 357.7	1,282 389.9 10 3.3	1,356 410.4	6.055 1,435 413.9 15 3.5	5.932 1,544 469.4 14 3.3
Cooling capacity Power input Capacity control EER IPLV	Cooling Method Minimum	capacity Height Width	kW kW % mm mm	6.51 801.7 222.8 10	6.771 876.7 240.2 14 .6	6.598 948.2 271.1	6.661 993 280 12 3.5	1,061 312.2 1 3.4 6.7	1,126 324.7 Stepless 11 3.5 7	1,190 357.7	1,282 389.9 10 3.3	1,356 410.4	6.055 1,435 413.9 15 3.5 6.3	5.932 1,544 469.4 14 3.3
Cooling capacity Power input Capacity control EER IPLV Dimensions	Cooling Method Minimum	capacity Height	kW kW % mm mm	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1	6.598 948.2 271.1 13 3	6.661 993 280 12 3.5 5.9	1,061 312.2 3.4 6.7	1,126 324.7 Stepless 11 3.5 7 2,553 2,238	1,190 357.7 6	1,282 389.9 10 3.3	1,356 410.4	6.055 1,435 413.9 15 3.5 6.3	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control EER IPLV Dimensions	Cooling Method Minimum Unit	Height Width Depth	kW kW % mm mm mm	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1	6.598 948.2 271.1 13 3 6	6.661 993 280 12 3.5 5.9	1,061 312.2 1 3.4 6.7	1,126 324.7 Stepless 11 3.5 7 2,553 2,238	1,190 357.7 6 12,280	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	13,360 10,435 113,9 15 3.5 6.3	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight	Cooling Method Minimum Unit Unit Operation	Height Width Depth	kW kW % mm mm	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1	6.598 948.2 271.1 13 3	6.661 993 280 12 3.5 5.9	1,061 312.2 1 3.4 6.7 200 243 8,874	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9	1,190 357.7 6 12,280 918 9,640	1,282 389.9 10 3.3	1,356 410.4	6.055 1,435 413.9 15 3.5 6.3	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Method Minimum Unit Unit Uperation Type	Height Width Depth	kW kW % mm mm mm	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1	6.598 948.2 271.1 13 3 6	6.661 993 280 12 3.5 5.9	1,061 312.2 1 3.4 6.7 200 243 8,874	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9 9,635 icrochann	1,190 357.7 6 12,280 918 9,640 nel	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	13,360 10,435 113,9 15 3.5 6.3	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Method Minimum Unit Unit Unit Operation Type Type	Height Width Depth	kW kW % mm mm mm	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1	6.598 948.2 271.1 13 3 6	6.661 993 280 12 3.5 5.9	1,061 312.2 1 3.4 6.7 200 243 8,874	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,635 icrochanr	1,190 357.7 6 12,280 918 9,640 nel	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	13,360 10,435 113,9 15 3.5 6.3	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit Unit Operation Type Type Quantity	Height Width Depth	kW kW % mm mm mm	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1	6.598 948.2 271.1 13 3 6	6.661 993 280 12 3.5 5.9	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9,635 icrochanre w compres	1,190 357.7 6 12,280 918 9,640 nel	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	13,360 10,435 113,9 15 3.5 6.3	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit Unit Operation Type Type Quantity Type	Height Width Depth	kW kW % mm mm mm	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363	6.598 948.2 271.1 13 3 6	6.661 993 280 12 5 9	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,635 icrochanr	1,190 357.7 6 12,280 918 9,640 nel esssor	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	15 3.5 6.3 13,360 10,12,141	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Quantity	Height Width Depth	kW kW % mm mm mm kg kg	6.51 801.7 222.8 10 3 6.8	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363	6.598 948.2 271.1 13 3 6	6.661 993 280 12 .5 .9	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9,635 icrochanre w compres	1,190 357.7 6 12,280 9,640 nel esssor	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	15 3.5 6.3 13,360 10,12,141	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Airflowrate	Height Width Depth Depth weight	kW kW % mm mm kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363	6.598 948.2 271.1 13 3 6	6.661 993 280 12 .5.5 .9 11, 8, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree	1,126 324.7 Stepless 1 3.5 7 2,553 2,238 8,9,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 rel essor eller 22 103,870	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	15 3.5 6.3 13,360 10,1 12,141	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level	Cooling Method Minimum  Unit Unit Operation Type Type Quantity Airflowrate Cooling	Height Width Depth n weight	kW kW % mm mm kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363	6.598 948.2 271.1 13 3 6	6.661 993 280 12 .5 .9 11, 8, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 nel essor eller 22 103,870 95	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457	13,360 12,141 24 113,320 13,35 6.3	5.932 1,544 469.4 14 3.3 6.1 925 12,156
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit Unit Operation Type Type Quantity Type Quantity Airflow rate Cooling Cooling	Height Width Depth n weight  Cooling Nom. Nom.	kW kW % mm mm kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363	6.598 948.2 271.1 13 3 6	6.661 993 280 12 .5.5 .9 11, 8, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 rel essor eller 22 103,870	1,282 389.9 10 3.3 .7	1,356 410.4 6.6	15 3.5 6.3 13,360 10,1 12,141	5.932 1,544 469.4 14 3.3 6.1
Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling Air side	Height Width Depth n weight e Cooling Nom. Nom. Nom. Cooling Min.~Max.	kW kW % mm mm kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363	6.598 948.2 271.1 13 3 6	6.661 993 280 12 .5 .9 11, 8, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir 20 420 2420	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 nel essor 22 103,870 95 72	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457	13,360 12,141 24 113,320 13,35 6.3	5.932 1,544 469.4 14 3.3 6.1 925 12,156
Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW	Height Width Depth n weight e Cooling Nom. Nom. Nom. Cooling Min.~Max.	kW kW % mm mm kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363 18 84,980 90 68	6.598 948.2 271.1 13 3 6 6 762 8,373	6.661 993 280 12 5 9 11,, 8,, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir 0420 92	1,126 324.7 Stepless 1 3.5 7 2,553 2,238 8,9,635 icrochann w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 nel esssor eller 22 103,870 95 72	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457	13,360 12,141 13,320 69	5.932 1,544 469.4 14 3.3 6.1 925 12,156
Cooling capacity Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Height Width Depth Depth Nom. Nom. Cooling Min.~Max.	kW kW % mm mm kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363	6.598 948.2 271.1 13 3 6	6.661 993 280 12 .5 .9 11, 8, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir 20 420 2420	1,126 324.7 Stepless 1 3.5 7 2,553 2,238 8,9 9,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 nel essor 22 103,870 95 72	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457	13,360 12,141 24 113,320 13,35 6.3	5.932 1,544 469.4 14 3.3 6.1 925 12,156
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits	Height Width Depth Depth Nom. Nom. Cooling Min.~Max. P	kW kW % mm mm kg kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363 18 84,980 90 68	6.598 948.2 271.1 13 3 6 6 762 8,373	6.661 993 280 12 .5 .9 11, 8, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir 0420 92	1,126 324.7 Stepless 1 3.5 7 2,553 2,238 8,9,635 icrochann w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 nel esssor eller 22 103,870 95 72	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457 95 72	15 3.5 6.3 13,360 10,12,141 24 113,320 69	5.932 1,544 469.4 14 3.3 6.1 925 12,156
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit Unit Operation Type Quantity Airflowrate Cooling Cooling Air side Type/GW Charge Circuits Evaporate	Height Width Depth Depth Nom. Nom. Cooling Min.~Max. P Quantity or water inlet/outlet (O	kW kW % % mm mm mm kg kg kg l/s dBA dBA dBA cCDB kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363 18 84,980 90 68	6.598 948.2 271.1 13 3 6 6 762 8,373	6.661 993 280 12 5 9 11,, 8,, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir 0420 92	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 nel esssor eller 22 103,870 95 72	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457 95 72	13,360 12,141 13,320 69	5.932 1,544 469.4 14 3.3 6.1 925 12,156
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Type Quantity Type Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Height Width Depth n weight  Cooling Nom. Nom. Nom. Cooling Min.~Max. P  Quantity or water inlet/outlet (Ot Max	kW kW % % mm mm mm kg kg kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363 18 84,980 90 68	6.598 948.2 271.1 13 3 6 6 762 8,373	6.661 993 280 12 .5 .9 11, 8, 8,864	1,061 312.2 3.4 6.7 200 243 8,874 M Scree Dir 20 420 22 7	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 eller 22 103,870 95 72	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457 95 72 190	6.055 1,435 413.9 15 3.5 6.3 13,360 10, 12,141 24 113,320 69	5.932 1,544 469.4 14 3.3 6.1 925 12,156
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Type Quantity Type Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Height Width Depth Depth Nom. Nom. Cooling Min.~Max. P Quantity or water inlet/outlet (O	kW kW % % mm mm mm kg kg kg l/s dBA dBA dBA cCDB kg	6.51 801.7 222.8 10 3 6.8 7,505 8,096	6.771 876.7 240.2 14 .6 7.1 10,120 7,7 8,363 18 84,980 90 68	6.598 948.2 271.1 13 3 6 6 762 8,373	6.661 993 280 12 .5 .9 11, 8, 8,864	1,061 312.2 1 3.4 6.7 200 243 8,874 M Scree Dir 0420 92	1,126 324.7 Stepless 11 3.5 7 2,553 2,238 8,9,635 icrochanr w compre 2 ect prope	1,190 357.7 6 12,280 918 9,640 nel esssor eller 22 103,870 95 72	1,282 389.9 10 3.3 .7 9,775 10,966	1,356 410.4 6.6 10,256 11,457 95 72	15 3.5 6.3 13,360 10,12,141 24 113,320 69	5.932 1,544 469.4 14 3.3 6.1 925 12,156

# Inverter screw cooling only with BLU efficiency. Standard sound.

- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



SEER																		
JLLIN					4.491	4.373	4.355	4.666	4.428	4.588	4.601	4.571	4.593	4.603	4.565	4.557	4.595	4.568
Cooling capacity	Nom.			kW	235.4	255.6	301.6	359.8	39	8.5	417.2	425.2	448.8	487.5	500	5	37.5	576.1
Power input	Cooling	Nom.		kW	79.49	92.42	118.2	117.9	14	0.7	151.4	135.6	176.2	162	204.3	2	02.2	201.2
Capacity control	Method										Ste	oless						
. ,	Minimum	capacity		%	19	17	14	23	12	20	19	11	17	10		15	1	10
EER					2.961	2.766	2.552	3.052		332	2.755	3.137	2.547	3.009	_		.658	2.864
IPLV					4.484	4.419	4.369	4.683	4.411	4.584		4.407	4.537	4.451		_	4.462	_
Dimensions	Unit	Height		mm								553						
		Width		mm								238						
		Depth		mm		2,560		3,640	4,720	3,6		4,720	3,640	4,720	3,640	4	,720	5,800
Weight	Unit			kg	2,5		2,589	3,486	3,751	3,4		3,751	3,486			4,353		4,422
	Operatio	n weiaht		ka		2,594	2,629	3,536			541	3,811	3,546				4,046	
Air heat exchanger					,,,,,,,	_,	_,	-,	-,	-,-		hanne		.,	-,	.,	.,	.,
Compressor	Туре									So		mpress						
	Quantity					1			2		1	2	1	2		1		2
Fan	Туре										Direct r	ropelle	r					
	Quantity					4		6	8		5	8	6	8	6		8	10
	Air flow rate	Cooling	Nom.	I/s	25,490	25,4	193	38,240		38,				_		50 990	50,987	
Sound power level		Nom.	140111.	dBA	97.5	99.8	101.2	96.7	97.5	97.6	97.7	100.4	100.3	100.6		103	102.8	103.9
Sound pressure level		Nom.		dBA	78.41	80.65	82.11	76.96	77.19	77.88	78	80.12	80.61			82.7	82.53	
Operation range	Air side	Cooling	Min.~Max.	°CDB	70.71	00.05	02.11	70.90	77.13	77.00		-46	00.01	00.29	02.2	02./	02.33	03.21
Refrigerant	Type/GW		Willia-Wiax.	CDB								4(ze)/7						
Refrigerant	Charge			kg	30	35	40	50		55	11-123		50	65	70		75	80
	Circuits	Quantity	,	, kg	30	33		30	2		1	2	1	2	70	1		2
Piping connections					<u> </u>	88.9mm				139.7			- '	168.3mr	120	.7mm		z 3mm
Unit	Starting curren		ilet/outlet (OD)	A	- '	00.511111				139./		0		100.31111	139	./111111	100.	3111111
Offic		Cooling	Nom.	A	159	181	219	221	2:		271	274	308	321		351		391
	current	Max	NOIII.	A	204	227	268	291	33		355	358	396	406	435	463	452	494
Dower cumply		wax equency/V	/oltago	Hz/V	204	221	200	291	3.	04		0 /400	390	400	433	403	432	494
Power supply	Pilase/Fit	equency/ v	ronage	ΠZ/ V							3~/30	3/400						
			EV	VAH-TZBSD	635	745	785	845	90	0 98	5 C	11	H11	C13	H13	H14	C15	H15
SEER			EV	VAH-TZBSD	<b>635</b> 4.612	<b>745</b> 4.792	<b>785</b> 4.758				-				<b>H13</b> 5.043	<b>H14</b> 5.041	<b>C15</b> 4.983	<b>H15</b> 4.984
SEER Cooling capacity	Nom.		EV	<b>VAH-TZBSD</b> kW				4.774	4.76	6 4.7	2 4	.71 4	1.65	5.062				_
	Nom. Cooling	Nom.	EV		4.612	4.792	4.758	4.774	4.76	66 4.7 9 983	<sup>7</sup> 2 4	.71 <sup>4</sup>	1.65 5 ,177	5.062	5.043	5.041	4.983	4.984
Cooling capacity		Nom.	EV	kW	4.612 633.2	4.792 742.7	4.758 786.2	4.774	4.76	66 4.7 9 983	<sup>7</sup> 2 4 3.8 1,1 3.9 39	.71 <sup>4</sup>	1.65 5 ,177	5.062 1,315	5.043 1,386	5.041 1,474	4.983 1,535	4.984 1,586
Cooling capacity Power input	Cooling		EV	kW	4.612 633.2	4.792 742.7	4.758 786.2	4.774	4.76	66 4.7 9 983	72 4 3.8 1,1 0.9 39 Step	.71 4 04 1 91.1 4	1.65 5 ,177	5.062 1,315	5.043 1,386	5.041 1,474	4.983 1,535	4.984 1,586
Cooling capacity Power input	Cooling Method		EV	kW kW	4.612 633.2 226.9	4.792 742.7 238.6	4.758 786.2 261.4	4.774 842.9 287.6	4 4.76 9 899 5 302	66 4.7 9 983 .2 350	72 4 3.8 1,1 0.9 39 Step	.71 4 04 1 91.1 4 oless	1.65 5 ,177 136 4	5.062 1,315 423.5	5.043 1,386 471	5.041 1,474	4.983 1,535 563.3	4.984 1,586
Cooling capacity Power input Capacity control	Cooling Method		EV	kW kW	4.612 633.2 226.9	4.792 742.7 238.6	4.758 786.2 261.4	4.774 842.9 287.6	4.76 9 899 5 302	66 4.7 9 983 .2 350 10 74 2.8	72 4 3.8 1,1 0.9 39 Step 0 04 2.8	.71 4 04 1 91.1 4 oless	1.65 5 ,177 136 4	5.062 1,315 423.5 12 3.105	5.043 1,386 471	5.041 1,474 508.7	4.983 1,535 563.3	4.984 1,586 580.5
Cooling capacity Power input Capacity control EER	Cooling Method	ı capacity	EV	kW kW	4.612 633.2 226.9 10 2.791	4.792 742.7 238.6 12 3.113	4.758 786.2 261.4 11 3.007	4.774 842.9 287.6	4.76 9 899 5 302	66 4.7 9 983 .2 350 10 74 2.8	72 4 3.8 1,1 9.9 39 Step 904 2.8 24 4.6	.71	1.65 5 ,177 136 4	5.062 1,315 423.5	5.043 1,386 471 11 2.943	5.041 1,474 508.7 2.898	4.983 1,535 563.3 10 2.725	4.984 1,586 580.5
Cooling capacity Power input Capacity control EER IPLV	Cooling Method Minimum	capacity Height	EW	kW kW	4.612 633.2 226.9 10 2.791	4.792 742.7 238.6 12 3.113	4.758 786.2 261.4 11 3.007	4.774 842.9 287.6	4.76 9 899 5 302	66 4.7 9 983 .2 350 10 74 2.8	72 4 3.8 1,1 3.9 39 Step 0 2.8 24 4.6 2,5	.71	1.65 5 ,177 136 4	5.062 1,315 423.5 12 3.105	5.043 1,386 471 11 2.943	5.041 1,474 508.7 2.898	4.983 1,535 563.3 10 2.725	4.984 1,586 580.5
Cooling capacity Power input Capacity control EER IPLV	Cooling Method Minimum	Height Width	EV	kW kW	4.612 633.2 226.9 10 2.791 4.452	4.792 742.7 238.6 12 3.113	4.758 786.2 261.4 11 3.007	4.774 8 42.9 287.6 2.93 4.722	4.76 9 899 5 302	66 4.7 9 983 .2 350 10 74 2.8	72 4 3.8 1,1 3.9 39 Step 0 2.8 24 4.6 2,5	.71	1.65 5 ,177 136 4 .699 5	5.062 1,315 423.5 12 3.105 5.285	5.043 1,386 471 11 2.943 5.263	5.041 1,474 508.7 2.898 5.232	4.983 1,535 563.3 10 2.725 5.165	4.984 1,586 580.5 2.732 5.15
Cooling capacity Power input Capacity control  EER IPLV Dimensions	Cooling Method Minimum	capacity Height	EW	kW kW % mm mm	4.612 633.2 226.9 10 2.791 4.452 5,800	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716	4.774 842.9 287.6 2.93 4.722	4 4.76 9 899 5 302 1 2.97 2 4.69	9 983 9 983 .2 350 10 74 2.8 7,960	72 4 3.8 1,1 9.9 39 Step 0 004 2.8 224 4.0 2,2	.71	1.65 5 ,177 136 4 .699 5	5.062 1,315 423.5 12 3.105	5.043 1,386 471 11 2.943 5.263	5.041 1,474 508.7 2.898 5.232	4.983 1,535 563.3 10 2.725 5.165	4.984 1,586 580.5 2.732 5.15
Cooling capacity Power input Capacity control EER IPLV	Cooling Method Minimum Unit	Height Width Depth	EV	kW kW % mm mm mm	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716 6,880 370	2 842.9 2 842.9 2 287.6 2 2.93 4.722	4 4.76 9 899 6 302 1 2.97 2 4.69	10 10 10 10 10 10 10 10 10 10	72 4 3.8 1,13 9.9 39 Step 0 04 2.8 224 4.6 2,2	771	1.65 ± 1.177	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27	5.043 1,386 471 11 2.943 5.263	5.041 1,474 508.7 2.898 5.232 11,2 8,7	4.983 1,535 563.3 10 2.725 5.165	4.984 1,586 580.5 2.732 5.15 12,280 9,242
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight	Cooling Method Minimum Unit Unit Operatio	Height Width Depth	EV	kW kW % mm mm	4.612 633.2 226.9 10 2.791 4.452 5,800	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716 6,880 370	2 842.9 2 842.9 2 287.6 2 2.93 4.722	4 4.76 9 899 6 302 1 2.97 2 4.69	10 10 10 10 10 10 10 10 10 10	72 4 3.8 1,1 9.9 39 Step 1004 2.8 2,2 4.0 2,2 35 20 7,5	771	1.65	5.062 1,315 423.5 12 3.105 5.285	5.043 1,386 471 11 2.943 5.263	5.041 1,474 508.7 2.898 5.232	4.983 1,535 563.3 10 2.725 5.165	4.984 1,586 580.5 2.732 5.15
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	Cooling Method Minimum Unit Unit Operatio Type	Height Width Depth	EV	kW kW % mm mm mm	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716 6,880 370	2 842.9 2 842.9 2 287.6 2 2.93 4.722	4 4.76 9 899 6 302 1 2.97 2 4.69	66 4.7 9 983 .2 350 10 144 2.8 7,960 96 6,1 21 6,3	72 4 3.8 1,1 9.9 39 Step 1) 104 2.8 2,2 2,2 35 Microco	71 4 004 1 01.1 4 oless 323 2 523 4 553 238 9,040 7,352 507 7	1.65	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27	5.043 1,386 471 11 2.943 5.263	5.041 1,474 508.7 2.898 5.232 11,2 8,7	4.983 1,535 563.3 10 2.725 5.165	4.984 1,586 580.5 2.732 5.15 12,280 9,242
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight	Method Minimum Unit Unit Uperatio Type Type	Height Width Depth	EV	kW kW % mm mm mm	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716 6,880 370	2 842.9 2 842.9 2 287.6 2 2.93 4.722	4 4.76 9 899 6 302 1 2.97 2 4.69	66 4.7 9 983 .2 350 10 144 2.8 7,960 96 6,1 21 6,3	72 4 3.8 1,1 3.9 39 Step 0 04 2.8 24 4.6 2,2 2,2 Microsoftew co	71	1.65	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27	5.043 1,386 471 11 2.943 5.263	5.041 1,474 508.7 2.898 5.232 11,2 8,7	4.983 1,535 563.3 10 2.725 5.165	4.984 1,586 580.5 2.732 5.15 12,280 9,242
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity	Height Width Depth	EV	kW kW % mm mm mm	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716 6,880 370	2 842.9 2 842.9 2 287.6 2 2.93 4.722	4 4.76 9 899 6 302 1 2.97 2 4.69	66 4.7.9 983.2 350 1074 2.8 92 4.6 92 4.6 92 4.6 93 5.1 6,3 5.6	72 4 3.8 1,1 3.9 39 Step 0 04 2.8 2,2 4.6 2,2 Microscrew co	71	1.65	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27	5.043 1,386 471 11 2.943 5.263	5.041 1,474 508.7 2.898 5.232 11,2 8,7	4.983 1,535 563.3 10 2.725 5.165	4.984 1,586 580.5 2.732 5.15 12,280 9,242
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Type	Height Width Depth	EV	kW kW % mm mm mm	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480	2 842.9 2 842.9 2 287.6 2 2.93 4.722	4 4.76 9 899 6 302 1 2.97 2 4.69	7,960 66 6,13 7,960 7,960 7,960 7,960 7,960 7,960 7,960	72 4 3.8 1,1 3.9 39 Step 0 04 2.8 2,2 4.6 2,2 Microscrew co	71	1.65	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27 3,459	5.043 1,386 471 11 2.943 5.263 20 9 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Quantity	Height Width Depth		kW kW % mm mm mm kg kg	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537	4.792 742.7 238.6 12 3.113 4.741	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480	4.774 842.1 287.6 287.6 4.722 3 5,614 0 5,729	4 4.76 9 899 5 302 1 2.97 2 4.69 4 6,09 9 6,22	7,960 7,	72 4 3.8 1,1 3.9 39 Step 0 04 2.8 2,2 4.6 2,2 Microscrew co	71	699 : .543 !	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27 3,459	5.043 1,386 471 11 2,943 5.263 20 99 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965	4,983 1,535 563.3 10 2.725 5.165 200 60 8,975	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Airflowrati	Height Width Depth	EV Nom.	kW kW % mm mm kg kg	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537	4.792 742.7 238.6 12 3.113 4.741 5, 5,470	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480	4.774 842.1 287.6 287.6 4.722 1 5,614 0 5,729	4 4.76 9 899 5 302 1 2.97 2 4.69 4 6,09 6,22	7,960 7,960 7,960 7,960 7,960 7,960 7,960 14 89,233	72 4 3.8 1,1,1 9.9 39 Step 9 004 2.8 224 4.6 2,2 2,2 335 Microscorrew co	71 2 104 1 101.1 4 101.1 4 101.2 4 101.1 4 101.2 3 102.2 3 103.2 3	1.65	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27 3,459	5.043 1,386 471 11 2,943 5.263 20 99 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965	4,983 1,535 563.3 10 2.725 5.165 200 60 8,975	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Airflowrate Cooling	Height Width Depth n weight		kW kW %	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6	4.792 742.7 238.6 12 3.113 4.741 5, 5,470	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480	4.774 9. 842.9 287.6 7. 2.93 4.722 0. 5,614 0. 5,729	4 4.76 9 899 5 302 1 2.97 2 4.69 4 6,09 9 6,22	7,960 66 6,13 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 14 89,233 5 103	72 4 3.8 1,1,1 9.9 39 Step 9 004 2.8 224 4.6 2,2 2,2 35 Microecter co	.71	699 : 5543 : 5 600 : 60	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27 3,459 18 114,7 104.3	5.043 1,386 471 11 2.943 5.263 20 19 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975 0 467 107	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462 22 140,213 107.5
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Type Quantity Airflow rate Cooling Cooling	Height Width Depth n weight e Cooling Nom. Nom.	Nom.	kW kW % % mm mm mm kg kg kg	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537	4.792 742.7 238.6 12 3.113 4.741 5, 5,470	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480	4.774 9. 842.9 287.6 7. 2.93 4.722 0. 5,614 0. 5,729	4 4.76 9 899 5 302 1 2.97 2 4.69 4 6,09 9 6,22	7,960 66 6,13 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 14 89,233 5 103	72 48.8 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,1 1,	.71	699 : 5543 : 5 600 : 60	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27 3,459 18 114,7 104.3	5.043 1,386 471 11 2,943 5.263 20 99 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965	4,983 1,535 563.3 10 2.725 5.165 200 60 8,975	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Airflowrat Cooling Cooling Air side	Height Width Depth n weight e Cooling Nom. Nom. Cooling		kW kW %	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6	4.792 742.7 238.6 12 3.113 4.741 5, 5,470	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480	4.774 9. 842.9 287.6 7. 2.93 4.722 0. 5,614 0. 5,729	4 4.76 9 899 5 302 1 2.97 2 4.69 4 6,09 9 6,22	7,960 66 6,13 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 14 89,233 5 103	72 4 4 8 8 1,1 9 9 39 Step 10 0 4 2 8 2,2 2,2 2,2 2,2 2 10 10 10 10 10 10 10 10 10 10 10 10 10	71	699 : 5543 : 5 600 : 60	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27 3,459 18 114,7 104.3	5.043 1,386 471 11 2.943 5.263 20 19 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975 0 467 107	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462 22 140,213 107.5
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rat Cooling Cooling Air side Type/GW	Height Width Depth n weight e Cooling Nom. Nom. Cooling	Nom.	kW kW % % mm mm mm kg kg l/s dBA dBA dBA	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6 83.83	4.792 742.7 238.6 12 3.113 4.741 5, 5,470 99.7 78.53	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480 12 76,480 100.3 79.14	4.774 9. 842.9 2.87.6 7. 2.93 4.722 9. 5,614 9. 5,729 0. 100.6 79.46	4 4.76 9 899 1 2.97 1 2.97 1 6,09 6,22 4.69	7,960 6,63 10,744 10,745 1	22 4 4 8 1,1,1 1,1 1,2 1,2 1,2 1,2 1,2 1,2 1,2 1	7.71   2   2   10.14   10.14   10.15	6.65	10,12 8,27 10423.5 10,12 8,27 114,7 114,7 104.3	5.043 1,386 471 11 2.943 5.263 5.263 20 9 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965 2 127, 106.1 83.56	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975 0 467 107 84.45	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462 22 140,213 107.5 84.63
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Height Width Depth Nom. Nom. Cooling P	Nom. Min.~Max.	kW kW % % mm mm mm kg kg kg	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6	4.792 742.7 238.6 12 3.113 4.741 5, 5,470	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480	4.774 9. 842.9 287.6 7. 2.93 4.722 0. 5,614 0. 5,729	4 4.76 9 899 5 302 1 2.97 2 4.69 4 6,09 9 6,22	7,960 6,63 10,744 10,745 1	22 4 4 8 1,1,1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.71	699 : 5543 : 5 600 : 60	5.062 1,315 423.5 12 3.105 5.285 10,12 8,27 3,459 18 114,7 104.3	5.043 1,386 471 11 2.943 5.263 20 19 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975 0 467 107	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462 22 140,213 107.5
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits	Height Width Depth Nom. Nom. Cooling P	Nom. Min.~Max.	kW kW % % mm mm mm kg kg l/s dBA dBA dBA	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6 83.83	4.792 742.7 238.6 12 3.113 4.741 5, 5,470 99.7 78.53	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480 12 76,481 100.3 79.14	4.774 9. 842.9 2.87.6 7. 2.93 4.722 9. 5,614 9. 5,729 0. 100.6 79.46	4 4.76 9 899 5 302 1 2.97 2 4.69 4 6,02 5 101. 5 79.9	7,960 7,960 1021 7,960 6,1121 14 89,233 5 103 103 104 105 105 105 105 105 105 105 105	22 4 4 8 1,1,1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.71   2   2   10.14   10.14   10.15	6.65	10,12 8,279 114,7 104,3 114,7	5.043 1,386 471 11 2.943 5.263 20 9 8,469 20 105.2 82.94	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965 2 127, 106.1 83.56	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975 0 467 107 84.45	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462 22 140,213 107.5 84.63
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Airflowrate Cooling Cooling Air side Type/GW Charge Circuits Evaporat	Height Width Depth n weight  Cooling Nom. Cooling P  Quantity or water in	Nom. Min.~Max.	kW kW % % mm mm mm kg kg kg l/s dBA dBA cCDB	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6 83.83	4.792 742.7 238.6 12 3.113 4.741 5, 5,470 99.7 78.53	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480 12 76,481 100.3 79.14	4.774 9. 842.9 2.87.6 7. 2.93 4.722 9. 5,614 9. 5,729 0. 100.6 79.46	4 4.76 9 899 1 2.97 1 2.97 1 6,09 6,22 4.69	7,960 7,960 1021 7,960 6,1121 14 89,233 5 103 103 104 105 105 105 105 105 105 105 105	22 4 4 8 1,1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.71   4   4   10   10   10   10   10   10	6.65	10,12 8,279 114,7 104,3 114,7	5.043 1,386 471 11 2.943 5.263 5.263 20 9 8,469	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965 2 127, 106.1 83.56	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975 0 467 107 84.45	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462 22 140,213 107.5 84.63
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling Cooling Cooling Circuits Evaporat Starting curren	Height Width Depth n weight  Cooling Nom. Cooling P  Quantity or water in	Nom.  Min.~Max.	kW kW % % mm mm mm kg kg kg l/s dBA dBA °CDB kg	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6 83.83	4.792 742.7 238.6 12 3.113 4.741 5, 5,470 99.7 78.53	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480 12 76,481 100.3 79.14	2.93° 4.72° 2.93° 4.72° 5.61° 5.72° 100.6 79.46	4 4.76 9 899 5 302 1 2.97 1 4.65 1 6,05 9 6,22 219.1r	66 4.7,99 983.2 350 1074 2.8892 4.692 4.692 4.692 4.693 5.093 81.003 81.003 81.003 81.003 81.003 81.003 81.003 81.003 81.003 81.003 81.003 81.003 81.003 81	22 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7.71   4   1   1   1   1   1   1   1   1	8.65	10,12 10,12 11423.5 112 12 13.3.105 5.2.85 10,12 8,27 114,7 104.3 132.09	5.043 1,386 471 11 2.943 5.263 20 105.2 82.94 190	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965 2 127, 106.1 83.56	4.983 1,535 563.3 10 2.725 5.165 200 660 8,975 0 467 107 84.45	2.732 5.15 12,280 9,242 9,462 22 140,213 107.5 84.63
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Airflow rate Cooling Air side Type/GW Charge Circuits Evaporat Starting curren Running	Height Width Depth n weight Nom. Nom. Cooling P Quantity t Max Cooling	Nom.  Min.~Max.	kW kW % % % % % % % % % % % % % % % % %	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6 83.83	4.792 742.7 238.6 12 3.113 4.741 5, 5,470 99.7 78.53	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480 100.3 79.14	2 4.774 2 842.9 2 287.6 2 2.93 4.722 0 5,614 0 5,729 1100.6 79.46	4 4.76 9 89! 1 2.97 1 2.97 2 4.69 4 6,09 6 79.9 125 219.1r	7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 8,100 14 89,233 5 103 81.0 13 14 14 14 15 16 17 16 17 18 18 18 18 18 18 18 18 18 18	22 4 4 8 1,1 9 3 5 5 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.71   2   2   1004   1   1014   1   1014   1   1   1   1   1   1   1   1   1	8.65	10,12 8,27 11,315 12 12 13,3.105 5,2.85 10,12 8,27 114,7 114,7 1104.3 32.09	5.043 1,386 471 11 2,943 5.263 20 105.2 82.94 190 273mm 804	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965 2 127, 106.1 83.56 205	4.983 1,535 563.3 10 2.725 5.165 200 60 8,975 0 467 107 84.45 215	4.984 1,586 580.5 2.732 5.15 12,280 9,242 9,462 22 140,213 107.5 84.63
Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rat Cooling Air side Type/GW Charge Circuits Evaporat Starting curren Running current	Height Width Depth n weight Nom. Nom. Cooling P Quantity t Max Cooling	Nom.  Min.~Max.  nlet/outlet (OD)  Nom.	kW kW % % mm mm mm kg kg kg l/s dBA dBA °CDB kg	4.612 633.2 226.9 10 2.791 4.452 5,800 4,452 4,537 10 63,733 104.6 83.83	4.792 742.7 238.6 12 3.113 4.741 5, 5,470 99.7 78.53	4.758 786.2 261.4 11 3.007 4.716 6,880 370 5,480 12 76,481 100.3 79.14	2.93° 4.72° 2.93° 4.72° 5.61° 5.72° 100.6 79.46	4 4.76 9 89! 1 2.97 1 2.97 2 4.69 4 6,09 6 79.9 125 219.1r	7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 7,960 8,100 14 89,233 5 103 81.0 13 14 14 14 15 16 17 16 17 18 18 18 18 18 18 18 18 18 18	22 4 4 8 1,1 1,1 1,1 1,2 1,2 1,2 1,2 1,2 1,2 1,2	7.71   2   2   1004   1   1014   1   1014   1   1   1   1   1   1   1   1   1	8.65	10,12 8,27 11,315 12 12 13,3.105 5,2.85 10,12 8,27 114,7 114,7 1104.3 32.09	5.043 1,386 471 11 2.943 5.263 20 105.2 82.94 190	5.041 1,474 508.7 2.898 5.232 11,2 8,7 8,965 2 127, 106.1 83.56	4.983 1,535 563.3 10 2.725 5.165 200 660 8,975 0 467 107 84.45	2.732 5.15 12,280 9,242 9,462 22 140,213 107.5 84.63

# Inverter screw with SILVER efficiency. Standard sound.

- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EWAH-TZSSD	240	265	295	370	400	415	450	470	490	535	540	595	630	690
SEER				5.606	5.489	5.354	5.624	5.379	5.498	5.506	5.211	5.512	5.252	5.592	5.291	5.221	5.538
Cooling capacity	Nom.		kW	242.1	264.9	296.5	366.7	402.3	408.8	447.1	468.8	485.8	508.7	533.5	592.4	626.5	696.4
Power input	Cooling	Nom.	kW	75.33	86.23	98.15	112.9	121.5	133.5	144.5	149.2	166.9	162.3	183.6	188.6	206.3	214.1
Capacity control	Method									Ste	oless						
	Minimum	capacity	%	19	17	15	23	12	20	19	10	17	10	15		10	13
EER				3.214	3.072	3.021	3.248	3.312	3.062	3.094	3.143	2.911	3.134	2.906	3.141	3.037	3.252
IPLV				5.624	5.53	5.387	5.92	5.48	5.755	5.738	5.317	5.593	5.351	5.607	5.392	5.316	5.64
Dimensions	Unit	Height	mm							2,	553						
		Width	mm							2,2	238						
		Depth	mm		3,640		4,720	5,800	4,	720	5,800	4,720	5,	800		6,880	
Weight	Unit		kg	3,0	041	3,071	3,968	4,233	3,968	4,032	4,233	4,032	4,422	4,834	4,	934	5,370
	Operation	n weight	kg	3,0	076	3,111	4,018	4,288	4,023	4,092	4,298	4,097	4,492	4,909	5,014	5,019	5,465
Air heat exchanger	Type									Micro	hannel						
Compressor	Type								S	crew co	mpress	or					
	Quantity							2		1	2	1	2	1		2	
Fan	Type									Direct p	ropelle	r					
	Quantity				6		8	10		8	10	8		10		12	
	Air flow rate	Cooling	Nom. I/s		38,240		50,990	63,733	50,	990	63,733	50,990	63	,733		76,480	
Sound power level	Cooling	Nom.	dBA	97.9	100	102.3	97.1	97.8	98	98.1	100.7	100.5	101.3	102.2	104.3	105.1	99
Sound pressure leve	Cooling	Nom.	dBA	78.18	80.27	82.57	76.87	77.09	77.71	77.82	79.96	80.28	80.56	81.47	83.15	83.92	77.8
Operation range	Air side	Cooling	Min.~Max. °CDB							-20	~46						
Refrigerant	Type/GW	Р								R-123	4(ze)/7						
	Charge		kg	3	35	40	50	5	5	60	6	55	70	75	80	85	95
	Circuits	Quantity						2		1	2	1	2	1		2	
Piping connections	Evaporate	or water in	nlet/outlet (OD)		88.9mm				139.	7mm			168.3mm	139.7mm	1	168.3mr	n
Unit	Starting curren	t Max	А								0						
	Running	Cooling	Nom. A	158.4	177.6	198.4	226.8	259.9	254	271.3	309	304.8	332.2	334.3	381.9	412.4	425.7
	current	Max	Α	214	237	259	302	345	344	365	405	406	428	455	495	526	538
Power supply	Phase/Fre	equency/\	/oltage Hz/V							3~/50	/400						
			FWAIL TICES	740	705	055	010					-40	1140	1145	C1.0	C4=	1145
CEED			EWAH-TZSSD	<b>740</b> 5.452	<b>795</b> 5.539	<b>855</b> 5.505	910		-				H12	<b>H13</b> 5.652	<b>C14</b> 5.723	<b>C15</b> 5.774	<b>H15</b> 5.686
SEER						רטר ר	)	5.532	5.	03   0.4	189   5.	339 5	5.735				
Caalina aanaais.	NI		1.14	_		_			4 10	42 1	112 1			_			
Cooling capacity	Nom.	Nom	kW	741.3	795.3	854.3	909.	5 983				,211	1,331	1,406	1,492	1,542	1,606
Power input	Cooling	Nom.	kW kW	_		_	909.	5 983		1.1 36	5.2 4	,211	1,331	1,406			
	Cooling Method		kW	741.3 236.7	795.3 254.1	854.3	909.	5 983	.6 34	1.1 36		,211	1,331 -09.9	1,406 455.3	1,492	1,542 512.4	1,606
Power input Capacity control	Cooling			741.3 236.7	795.3 254.1	854.3 278.9	909. 294	5 983 322	.6 34	1.1 36 Step	5.2 4 oless	,211 · 16.6 4	1,331	1,406 455.3	1,492 495.6	1,542 512.4	1,606 566.3
Power input Capacity control EER	Cooling Method		kW	741.3 236.7 3.132	795.3 254.1 11 3.13	854.3 278.9 3.063	3 909. 294 3 3.09	5 983 322 4 3.04	.6 34 10 18 3.0	1.1 36 Step 58 3.0	5.2 4 oless 046 2.	,211 16.6 4 906 3	1,331 109.9 12 1.248	1,406 455.3 11 3.088	1,492 495.6 3.01	1,542 512.4 10 3.009	1,606 566.3 2.836
Power input Capacity control EER IPLV	Cooling Method Minimum	capacity	kW	741.3 236.7 3.132 5.523	795.3 254.1	854.3 278.9 3.063	3 909. 294 3 3.09	5 983 322 4 3.04	.6 34 10 18 3.0	1.1 36 Step 58 3.0 05 5.4	5.2 4 oless 046 2. 152 5.	,211 16.6 4 906 3	1,331 109.9 12 1.248	1,406 455.3 11 3.088	1,492 495.6	1,542 512.4	1,606 566.3
Power input Capacity control EER	Cooling Method	capacity Height	kW % mm	741.3 236.7 3.132 5.523	795.3 254.1 11 3.13	854.3 278.9 3.063	3 909. 294 3 3.09	5 983 322 4 3.04	.6 34 10 18 3.0	1.1 36 Step 58 3.0 05 5.4	5.2 4 oless 046 2. 152 5.	,211 16.6 4 906 3	1,331 109.9 12 1.248	1,406 455.3 11 3.088	1,492 495.6 3.01	1,542 512.4 10 3.009	1,606 566.3 2.836
Power input Capacity control EER IPLV	Cooling Method Minimum	Capacity Height Width	kW % mm mm	741.3 236.7 3.132 5.523	795.3 254.1 11 3.13 5.564	854.3 278.9 3.063 5.539	3 909. 294 3 3.09 5.56	5 983 322 4 3.0 <sup>2</sup> 5 5.51	10 18 3.0 16 5.5	1.1 36 Step 58 3.0 05 5.4	5.2 4 oless 046 2. 452 5. 553	,211 16.6 4 906 3 254 6	1,331 109.9 12 1.248	1,406 455.3 11 3.088 5.994	1,492 495.6 3.01 6.078	1,542 512.4 10 3.009 6.09	1,606 566.3 2.836 5.956
Power input Capacity control  EER IPLV Dimensions	Cooling Method Minimum Unit	capacity Height	kW % mm mm	741.3 236.7 3.132 5.523 6,880	795.3 254.1 11 3.13 5.564	854.3 278.9 3.063 5.539	3 909. 294 3 3.09 5.56	5 983 4 322 4 3.04 5 5.51	10 18 3.0 16 5.5	1.1 36 Step 58 3.0 05 5.4 2,2	5.2 4 oless	,211 16.6 4 906 3	1,331 -09.9 12 3.248 5.207	1,406 455.3 11 3.088 5.994	1,492 495.6 3.01 6.078	1,542 512.4 10 3.009 6.09	1,606 566.3 2.836 5.956
Power input Capacity control EER IPLV	Cooling Method Minimum Unit	Height Width Depth	kW % mm mm kg	741.3 236.7 3.132 5.523 6,880 5,370	795.3 254.1 11 3.13 5.564 7, 5,852	854.3 278.9 3.063 5.539 960 6,096	3 909. 3 3.09 3 5.56 9,04 6 6,57	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05	.6 34 10 48 3.0 6 5.5 20	1.1 36 Step 58 3.0 05 5.4 2,2 2,2	5.2 4 bless 046 2. 452 5. 553 238 11, 8,315	2211 16.6 4 16.6 4 906 3 2254 6	1,331 1,09.9 12 1,248 1,207	1,406 455.3 11 3.088 5.994	3.01 6.078 12,280 9,242	1,542 512.4 10 3.009 6.09	1,606 566.3 2.836 5.956
Power input Capacity control  EER IPLV Dimensions  Weight	Cooling Method Minimum Unit Unit Operation	Height Width Depth	kW % mm mm	741.3 236.7 3.132 5.523 6,880	795.3 254.1 11 3.13 5.564	854.3 278.9 3.063 5.539 960 6,096	3 909. 3 3.09 3 5.56 9,04 6 6,57	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05	.6 34 10 48 3.0 6 5.5 20	1.1 36 Step 158 3.0 105 5.4 2,2 2,2 29 74 8,4	5.2 4 deless    246 2.    452 5.    553 238    11,    8,315 470 8,	211 16.6 4 16.6 4 906 3 254 6	1,331 -09.9 12 3.248 5.207	1,406 455.3 11 3.088 5.994	1,492 495.6 3.01 6.078	1,542 512.4 10 3.009 6.09	1,606 566.3 2.836 5.956
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Cooling Method Minimum Unit Unit Operation Type	Height Width Depth	kW % mm mm kg	741.3 236.7 3.132 5.523 6,880 5,370	795.3 254.1 11 3.13 5.564 7, 5,852	854.3 278.9 3.063 5.539 960 6,096	3 909. 3 3.09 3 5.56 9,04 6 6,57	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05	10 48 3.0 6 5.5 20 20 7,6 4 7,7	1.1 36 Step 58 3.0 55.2 2,2 2,2 29 74 8,4 Micros	5.2 4 doless   046 2.   152 5.   553   238   11,   8,315   470 8,   48   470 8,   48   470 8,   48   48   48   48   48   48   48	906 3 254 6	1,331 1,09.9 12 1,248 1,207	1,406 455.3 11 3.088 5.994	3.01 6.078 12,280 9,242	1,542 512.4 10 3.009 6.09	1,606 566.3 2.836 5.956
Power input Capacity control  EER IPLV Dimensions  Weight	Method Minimum Unit Unit Unit Operation Type Type	Height Width Depth	kW % mm mm kg	741.3 236.7 3.132 5.523 6,880 5,370	795.3 254.1 11 3.13 5.564 7, 5,852	854.3 278.9 3.063 5.539 960 6,096	3 909. 3 3.09 3 5.56 9,04 6 6,57	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05	10 48 3.0 6 5.5 20 20 7,6 4 7,7	1.1 36 Step 58 3.0 05 5.4 2,2 2,2 29 74 8,4 Micrococrew co	5.2 4 5 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	906 3 254 6	1,331 1,09.9 12 1,248 1,207	1,406 455.3 11 3.088 5.994	3.01 6.078 12,280 9,242	1,542 512.4 10 3.009 6.09	1,606 566.3 2.836 5.956
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit Unit Operation Type Type Quantity	Height Width Depth	kW % mm mm kg	741.3 236.7 3.132 5.523 6,880 5,370	795.3 254.1 11 3.13 5.564 7, 5,852	854.3 278.9 3.063 5.539 960 6,096	3 909. 3 3.09 3 5.56 9,04 6 6,57	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05	10 18 3.0 16 5.5 20 20 59 7,6 4 7,7	1.1 366 Step 558 3.0 55. 2,1 2,2 29 74 8,4 Micrococrew co	5.2 4 bless  046 2. 1452 5. 553 238  11, 8,315 470 8, thannel mpress	,211	1,331 1,09.9 12 1,248 1,207	1,406 455.3 11 3.088 5.994	3.01 6.078 12,280 9,242	1,542 512.4 10 3.009 6.09	1,606 566.3 2.836 5.956
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Cooling Method Minimum  Unit Unit Operation Type Type Quantity Type	Height Width Depth	kW % mm mm kg	741.3 236.7 3.132 5.523 6,880 5,370 5,470	795.3 254.1 11 3.13 5.564 7, 5,852 5,962	854.3 278.9 3.063 5.539 960 6,096 6,216	3 909. 3 3.09 3 5.56 9,04 5 6,57	5 983322 4 3.04 5 5.51 0 10,12 7 7,05 2 7,19	10 18 3.0 16 5.5 20 59 7,6 4 7,7	1.1 36 Step 58 3.0 05 5.4 2,2 2,2 29 74 8,4 Micrococrew co	5.2 4 bless  046 2. 1452 5. 553 238  11, 8,315 470 8, thannel mpress 2	,211	1,331 1,09.9 12 1,248 1,207	1,406 455.3 11 3.088 5.994	3.01 6.078 12,280 9,242 9,447	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938	1,606 566.3 2.836 5.956 60 23 9,948
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity	Height Width Depth	kW % mm mm kg kg	741.3 236.7 3.132 5.523 6,880 5,370 5,470	795.3 254.1 11 3.13 5.564 7, 5,852 5,962	854.3 278.9 3.063 5.539 960 6,096 6,216	3 909. 3 3.099 5 5.56 9,04 5 6,57 6 6,70	5 983322 4 3.04 5 5.51 0 10,12 7 7,05 2 7,19	10 18 3.0 16 5.5 20 59 7,6 4 7,7	1.1 366 Step 558 3.0 55. 2,1 2,2 29 74 8,4 Micrococrew co	5.2 4 obless  046 2. 152 5. 153 238 11, 8,315 1470 8, 15 channel mpress 2 oropelle	,211	1,331 1,09.9 12 1,248 1,207	1,406 455.3 11 3.088 5.994	3.01 6.078 12,280 9,242 9,447	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938	1,606 566.3 2.836 5.956 360 23 9,948
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan	Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Airflowrate	Height Width Depth	kW % mmm mm kg kg	741.3 236.7 3.132 5.523 6,880 5,370 5,470	795.3 254.1 11 3.13 5.564 7, 5,852 5,962	854.3 278.9 3.063 5.539 960 6,096 6,216	3 909. 3 3.09 5 5.56 9,04 6 6,57 6 6,70	5 983 4 3.02 4 3.04 5 5.51 0 10,12 7 7,05 2 7,19	10 18 3.0 16 5.5 20 20 5 59 7,6 4 7,7	1.1 366 Step 158 3.05 5.4 2,2 2,2 29 74 8,4 Microccrew co	5.2 4 obless  046 2. 152 5. 153 238 11, 8,315 1470 8, 15 channel mpress 2 oropelle	,211	1,331 1,09.9 12 1,248 1,207 8,76 3,945	1,406 455.3 11 3.088 5.994 0 8,955	3.01 6.078 12,280 9,242 9,447	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938	1,606 566.3 2.836 5.956 360 23 9,948
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level	Cooling Method Minimum  Unit Unit Operation Type Type Quantity Airflowrate Cooling	Height Width Depth n weight	kW  %  mm mm kg kg kg  Nom. I/s	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7	795.3 254.1 11 3.13 5.564 7, 5,852 5,962	854.3 278.9 3.063 5.539 960 6,096 6,216	9 909. 9 294 3 3.09 9 5.56 9,04 6 6,57 6 6,70 16 101,90 1 101.6	5 983 4 3.02 4 3.02 6 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103	10 18 3.0 16 5.5 20 20 59 7,6 4 7,7 S	1.1. 366 Step 158 3.0 105 5.4 2,1 2,2 29 Micrococrew coo Direct p	5.2 4 bless  0.46 2. 152 5. 153 238  11, 8,315 470 8, thannel mpress 2  127 4.8 1	,211	1,331 1,09.9 12 1,248 1,207 8,76 3,945	1,406 455.3 11 3.088 5.994 0 8,955	3.01 6.078 12,280 9,242 9,447 22 140,206 106.2	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938	1,606 566.3 2.836 5.956 660 23 9,948 4 952 107.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling	Height Width Depth n weight e Cooling Nom. Nom.	kW  %  mm mm kg kg kg  Nom. I/s dBA dBA	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7	795.3 254.1 11 3.13 5.564 7, 5,852 5,962	854.3 278.9 3.063 5.539 960 6,096 6,216	9 909. 9 294 3 3.09 9 5.56 9,04 6 6,57 6 6,70 16 101,90 1 101.6	5 983 4 3.02 4 3.02 6 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103	10 18 3.0 16 5.5 20 20 59 7,6 4 7,7 S	1.1. 366 Step 558 3.0 05 5.4 2,2 29 74 8,4 Microsocrew co Direct p	5.2 4 bless  0.46 2. 452 5. 553 238  11, 8,315 470 8, thannel mpress 2 propelle 127 4.8 1 2.27 8	,211	1,331 1,09.9 12 1,248 1,207 8,76 3,945	1,406 455.3 11 3.088 5.994 0 8,955	3.01 6.078 12,280 9,242 9,447	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938	1,606 566.3 2.836 5.956 360 23 9,948
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling Air side	Height Width Depth n weight e Cooling Nom. Nom. Cooling	kW  %  mm mm kg kg kg  Nom. I/s	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7	795.3 254.1 11 3.13 5.564 7, 5,852 5,962	854.3 278.9 3.063 5.539 960 6,096 6,216	9 909. 9 294 3 3.09 9 5.56 9,04 6 6,57 6 6,70 16 101,90 1 101.6	5 983 4 3.02 4 3.02 6 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103	10 18 3.0 16 5.5 20 20 59 7,6 4 7,7 S	1.1 36 Step 58 3.0 5.6 2.1 2.2 29 74 8,4 Microc crew co Direct p 4.1 10 553 82 -20	5.2 4 bless  046 2.452 5.53 238 11, 8,315 470 8, hannel mpress 2 rropelle 127 4.8 1 2.27 8 ~46	,211	1,331 1,09.9 12 1,248 1,207 8,76 3,945	1,406 455.3 11 3.088 5.994 0 8,955	3.01 6.078 12,280 9,242 9,447 22 140,206 106.2	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938	1,606 566.3 2.836 5.956 660 23 9,948 4 952 107.5
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve	Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW	Height Width Depth n weight e Cooling Nom. Nom. Cooling	Nom. I/s dBA Min.~Max. °CDB	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7 78.52	795.3 254.1 11 3.13 5.564 7, 5,852 5,962 100.5 78.95	854.3 278.9 3.063 5.539 960 6,096 6,216 14 0,233 100.8 79.25	909. 9294 33.099 5.56 9,04 6,57 6,700 101.6 79.7	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103 3 80.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1.1 36 Step 158 3.6	5.2 4 bless  046 2.452 5.553 238 11, 8,315 470 8, hannel mpress 2 rropelle 127 4.8 127 8- ~46 4(ze)/7	,211	1,331 109.9 12 1.248 5.207 8,76 8,945	1,406 455.3 11 3.088 5.994 0 8,955	1,492 495.6 3.01 6.078 12,280 9,242 9,447 22 140,206 106.2 83.33	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938 2. 152, 107.1 83.98	1,606 566.3 2.836 5.956 660 23 9,948 4 9952 107.5 84.4
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Cooling Method Minimum  Unit Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Height Width Depth Provided Research Provided Re	Nom. I/s dBA dBA Min.~Max. °CDB	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7 78.52	795.3 254.1 11 3.13 5.564 7, 5,852 5,962	854.3 278.9 3.063 5.539 960 6,096 6,216	9 909. 9 294 3 3.09 9 5.56 9,04 6 6,57 6 6,70 16 101,90 1 101.6	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103 3 80.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1.1 36 Step 158 3.6. 158 3.6. 158 3.6. 158 3.6. 158 3.6. 159 2.7. 29 29 4.7. Micrococrew coo Direct p 153 82 200 8-1236 15 11	5.2 4 bless  0.46 2. 452 5. 553  238 11, 8,315  470 8, thannel mpress 2  127  4.8 1 2.27 8 4 4 6 4 (ze)/7 55 1 1	,211	1,331 1,09.9 12 1,248 1,207 8,76 3,945	1,406 455.3 11 3.088 5.994 0 8,955	3.01 6.078 12,280 9,242 9,447 22 140,206 106.2	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938	1,606 566.3 2.836 5.956 660 23 9,948 4 952 107.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Cooling Method Minimum  Unit Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Charge Circuits	Height Width Depth weight Pomper Nom. Nom. Cooling Pomper Quantity	Nom. I/s dBA Min.~Max. °CDB	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7 78.52	795.3 254.1 11 3.13 5.564 7, 5,852 5,962 100.5 78.95	854.3 278.9 3.063 5.539 960 6,096 6,216 14 0,233 100.8 79.25	3 909. 3 3.094 3 3.096 5 5.56 9,04 6 6,570 16 101,90 101.65 79.75	5 983 4 3.04 5 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103 3 80.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1.1 36 Step 158 3.6. 158 3.6. 158 3.6. 158 3.6. 158 3.6. 159 2.7. 29 29 4.7. Micrococrew coo Direct p 153 82 200 8-1236 15 11	5.2 4 bless  046 2.452 5.553 238 11, 8,315 470 8, hannel mpress 2 rropelle 127 4.8 127 8- ~46 4(ze)/7	,211	12 12248207 8,76207	1,406 455.3 11 3.088 5.994 0 8,955 105.2 82.7	1,492 495.6 3.01 6.078 12,280 9,242 9,447 22 140,206 106.2 83.33	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938 2. 152, 107.1 83.98	1,606 566.3 2.836 5.956 660 23 9,948 4 9952 107.5 84.4
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit Unit Operation Type Quantity Airflowrate Cooling Cooling Air side Type/GW Charge Circuits Evaporate	Height Width Depth	Nom. I/s dBA dBA Min.~Max. °CDB	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7 78.52	795.3 254.1 11 3.13 5.564 7, 5,852 5,962 100.5 78.95	854.3 278.9 3.063 5.539 960 6,096 6,216 14 0,233 100.8 79.25	3 909. 3 3.094 3 3.096 5 5.56 9,04 6 6,570 16 101,90 101.65 79.75	5 983 4 322 4 3.04 5 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103 3 80.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1.1 36 Step 58 3.6.05 5.4 2,1 2,2 29 74 8,4 Microc crew co Direct p 4.1 10 53 82 -20 R-1234 55 11	5.2 4 bless  0.46 2.452 5.553  238 11,  8,315  470 8,  channel mpress 2  propelle  127  4.8 1  2.27 8  ~4(42e)/7  55 1  2	,211	12 12248207 8,76207	1,406 455.3 11 3.088 5.994 0 8,955	1,492 495.6 3.01 6.078 12,280 9,242 9,447 22 140,206 106.2 83.33	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938 2. 152, 107.1 83.98	1,606 566.3 2.836 5.956 660 23 9,948 4 9952 107.5 84.4
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Type Quantity Type Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Height Width Depth n weight  Cooling Nom. Cooling P  Quantity or water in	Nom. I/s dBA dBA Min.~Max. °CDB	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7 78.52	795.3 254.1 11 3.13 5.564 7, 5,852 5,962 100.5 78.95	960 6,096 6,216 14 0,233 100.8 79.25	3 909. 3 3.09 5 5.56 9,04 6 6,57 6 6,70 16 101,90 1 125	5 983 4 3.02 4 3.02 5 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103 3 80. 135	10 10 88 3.0.66 5.5 20 20 5.5 8 4 7,7 S	1.1 36 Step 58 3.0 05 5.4 2,2 2,2 29 74 8,4 Microscorew co Direct p 4.1 10 53 82 -20 R-123 15 1.	5.2 4 bless  0.46 2. 452 5. 553 238 11, 8,315 470 8, thannel mpress 2 propelle 127 4.8 1 2.27 8 ~46 4(ze)/7 55 1 2	,211	12	1,406 455.3 11 3.088 5.994 0 8,955 105.2 82.7	1,492 495.6 3.01 6.078 12,280 9,242 9,447 22 140,206 106.2 83.33	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938 22 152, 107.1 83.98	1,606 566.3 2.836 5.956 660 23 9,948 4 9952 107.5 84.4
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Type Quantity Type Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Height Width Depth	Nom. I/s dBA dBA Min.~Max. °CDB	741.3 236.7 3.132 5.523 6,880 5,370 5,470 12 76,480 99.7 78.52	795.3 254.1 11 3.13 5.564 7, 5,852 5,962 100.5 78.95	960 6,096 6,216 14 0,233 100.8 79.25	3 909. 3 3.09 5 5.56 9,04 6 6,57 6 6,70 16 101.96 1 79.75 125	5 983 4 3.02 4 3.02 6 5.51 0 10,12 7 7,05 2 7,19 18,08 114,7 5 103 3 80. 13:	10 18 3.0 66 5.5 220 7.6 8 4 7.7 5 8 8 81.	1.1 36 Step 158 3.0 105 5.2 2,2 2,2 29 Aircrosc 105 5.2 20 Direct p 4.1 10 105 53 82 -20 R-123 15 1:	5.2 4 bless  0.46 2. 4.52 5. 5.53 2.38 11, 8,315 470 8, thannel mpress 2 propelle 127 4.8 11 127 8- ~46 4(ze)/7 55 1 2	,211	12	1,406 455.3 11 3.088 5.994 0 8,955 105.2 82.7 195 73mm	1,492 495.6 3.01 6.078 12,280 9,242 9,447 22 140,206 106.2 83.33	1,542 512.4 10 3.009 6.09 13,3 9,7 9,938 2. 152, 107.1 83.98	1,606 566.3 2.836 5.956 660 23 9,948 4 9952 107.5 84.4

# Inverter screw with GOLD efficiency. Standard sound.

- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



Nom.  Height Width Depth n weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.	kW kW %	2,7	5.478 323.4 74.71 20 3.111 5.988		5.78 299.3 92.55 16 3.234 6.085	4,0	22 3.256 6.588 2,5 2,2 720	5.999 471.7 135.2 bless 10 3.488 6.223 553 238 6,880	6.336 466 139.9 19 3.331 6.632	6.198 504.2 159.8 17 3.156 6.422	5.64 534.5 152.6 30 3.503 5.95	6.108 543.9 155.1 10 3.508 6.381	6.04 602.4 178.4 0 3.376 6.28
Height Width Depth n weight  e Cooling Nom. Nom. Nom. Cooling Min.~Max.	kW % mm mm kg kg kg	67.79 22 3.243 6.035 2,5 2,7	74.71 20 3.111 5.988	82.02 18 3.354 6.156 3,6 3,2	92.55 16 3.234 6.085	99.59 25 3.501 6.684 4,7 4,0	122.1 Step 22 3.256 6.588 2,5 2,2	135.2 bless 10 3.488 6.223 553 238	139.9 19 3.331	159.8 17 3.156 6.422	30 3.503	155.1 10 3.508 6.381	178.4 0 3.376 6.28
Height Width Depth n weight  e Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg	22 3.243 6.035 2,5 2,7	20 3.111 5.988 660 731	18 3.354 6.156	16 3.234 6.085	25 3.501 6.684 4,7 4,0	Step 22 3.256 6.588 2,5 2,2	10 3.488 6.223 553	19 3.331	17 3.156 6.422	30 3.503	3.508 6.381	0 3.376 6.28
Height Width Depth n weight e Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg l/s dBA	3.243 6.035 2,5 2,7 2,7	3.111 5.988 660 731	3.354 6.156 3,6 3,2	3.234 6.085 640 242	3.501 6.684 4,7 4,0	22 3.256 6.588 2,5 2,2 720	10 3.488 6.223 553 238	3.331	3.156 6.422	3.503	3.508 6.381	3.376 6.28
Height Width Depth n weight e Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg l/s dBA	3.243 6.035 2,5 2,7 2,7	3.111 5.988 660 731	3.354 6.156 3,6 3,2	3.234 6.085 640 242	3.501 6.684 4,7 4,0	3.256 6.588 2,5 2,2 720	3.488 6.223 553 238	3.331	3.156 6.422	3.503	3.508 6.381	3.376 6.28
e Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm kg kg l/s dBA dBA	2,5 2,7 2,7	5.988 660 731	3,6 3,2	6.085	4,7 4,0	6.588 2,5 2,2 720	6.223 553 238	-	6.422		6.381	6.28
e Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm kg kg l/s dBA dBA	2,5 2,7 2,7	660 731	3,6	640 242	4,7 4,0	2,5 2,2 720	553 238	6.632		5.95		
e Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm kg kg l/s dBA dBA	2,7	731	3,2	242	4,0	2,2 720	238		5,800		6.0	180
e Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm kg kg l/s dBA dBA	2,7	731	3,2	242	4,0	720			5,800		60	180
e Cooling Nom. Nom. Nom. Nom. Cooling Min.~Max.	kg kg I/s dBA dBA	2,7	731	3,2	242	4,0		6,880		5,800			
e Cooling Nom. Nom. Nom. Cooling Min.~Max.	kg I/s dBA dBA	2,7					173				- nnn		
e Cooling Nom. Nom. Nom. Cooling Min.~Max.	l/s dBA dBA	4	/61	3,277	3,282			4,886		69	5,323	5,105	5,157
Nom. Nom. Cooling Min.~Max.	dBA dBA				-,	4,068	4,078	4,951	4,634	4,639	5,398	5,180	5,242
Nom. Nom. Cooling Min.~Max.	dBA dBA							hannel					
Nom. Nom. Cooling Min.~Max.	dBA dBA						Screw co	mpresso	r				
Nom. Nom. Cooling Min.~Max.	dBA dBA				1			2		1		2	2
Nom. Nom. Cooling Min.~Max.	dBA dBA							ropeller					
Nom. Nom. Cooling Min.~Max.	dBA dBA		4		5		8	12		10			2
Nom. Cooling Min.~Max.	dBA		620		930		240	67,860		56,540			860
Cooling Min.~Max.		97.3	97.5	100.2	100.8	97.3	99.8	100.6	104.5	101.7	98.8	100.9	105.5
		78.13	78.36	80.42	81.11	77.01	79.55	79.43	83.77	80.97	78.1	79.75	84.34
P	°CDB						-20	~46					
							R-1234	1(ze)/7					
	kg	3	0	35	40	45	55		55	70	7	75	85
Quantity					1			2		1		2	2
or water inlet/outlet (OD)	1		88.9	mm				139.7	7mm			168.3	3mm
t Max	Α						(	0					
Cooling Nom.	Α	145.1	157.4	175.8	194.2	211.3	243.1	299	276.8	306.6	296.2	334.4	375.7
Max	Α	172	183	214	236	269	310	364	357	394	414	406	448
equency/Voltage	Hz/V						3~/50	/400					
											1144		
E	WAH-TZXSD	620	645	700	750	790	840	900	975	H10	H11	H12	H13
	1111	5.558	6.211	6.102	6.362	6.407	6.296	6.195	6.234	6.183	5.865	5.933	5.988
	kW	617	641.9	697.1	752.7	788.8	841.2	897.2	972.1	1,082	1,184	1,275	1,383
Nom.	kW	191	186	209.1	219	225.9	249.4	273.7	299.9	326.1	346.2	380	415.3
						_		oless					
capacity	%	25	14	13	1		11		10		14	13	12
		3.231	3.452	3.334	3.437	3.491	3.373	3.278	3.242	3.318	3.42	3.355	3.33
		5.741	6.446	6.347	6.608	6.64	6.479	6.36	6.383	6.42	6.367	6.514	6.481
Height	mm							553					
Width	mm							238					
Depth	mm	5,800		380	7,960		9,040		10,120		200	12,280	13,360
	kg	5,323	5,4	414	6,151	6,6	533	6,722	7,203	8,091	8,760	9,242	9,723
n weight	kg	5,408	5,504	5,509	6,256	6,743	6,748	6,847	7,338	8,241	8,925	9,417	9,913
							Microc	hannel					
							Screw co	mpresso	r				
		1						2					
							Direct p	ropeller					
		10	1	2	14		16		18	2	20	22	24
Cooling Nom.	I/s	56,540	67,8	860	79,170		90,480		101,772	113,	080	124,388	135,696
Nom.	dBA	100.5	98.1	100.1	100.9	101.5	102.8	105.1	106.8	104.7	102.7	103.6	104.5
Nom.	dBA	79.81	76.91	78.9	79.3	79.61	80.92	83.2	84.61	82.17	80.14	80.78	81.43
	°CDB						-20	~46					
Cooling Min.~Max.		ĺ											
Cooling Min.~Max. P	ka	85	90	95	105	110	115	125	135	150	165	175	190
	-9	1											
P			168	3mm			219.1mm				273	mm	
P Quantity			100.0										
P Quantity or water inlet/outlet (OD)		353 5	388.6	428.2	445.5	4570		-	575.7	623.0	651.0	7081	768.7
Quantity or water inlet/outlet (OD) t Max	Δ	-							-				1,090
Quantity or water inlet/outlet (OD) t Max Cooling Nom.	Α	7771	7/4								202	222	1,090
	Quantity r water inlet/outlet (OD)	kg Quantity r water inlet/outlet (OD) Max A	kg         85           Quantity         1           r water inlet/outlet (OD)         1397mm           Max         A           Cooling         Nom.         A         353.5	kg         85         90           Quantity         1         1           r water inlet/outlet (OD)         139.7mm         168           Max         A           Cooling         Nom.         A         353.5         388.6	kg         85         90         95           Quantity         1         1           r water inlet/outlet (OD)         1397mm         168.3mm           Max         A           Cooling         Nom.         A         353.5         388.6         428.2	kg         85         90         95         105           Quantity         1	kg         85         90         95         105         110           Quantity r water inlet/outlet (OD)         139.7mm         168.3mm         168.3mm           Max         A           Cooling Nom.         A         353.5         388.6         428.2         445.5         457.9	R-1234   R   R-1234   R   R-1234   R   R   R   R   R   R   R   R   R	R-1234(ze)/7   R   R-1234(ze)/7   R   R   R   R   R   R   R   R   R	R-1234(ze)/7	R-1234(ze)/7	R-1234(ze)/7	R-1234(ze)/7  kg 85 90 95 105 110 115 125 135 150 165 175  Quantity 1 273mm  Max A Cooling Nom. A 353.5 388.6 428.2 445.5 457.9 493.4 530.6 575.7 623.9 651.9 708.1  Max A 491 472 517 527 579 618 655 702 787 902 992

# Inverter screw with GOLD efficiency. Reduced sound.

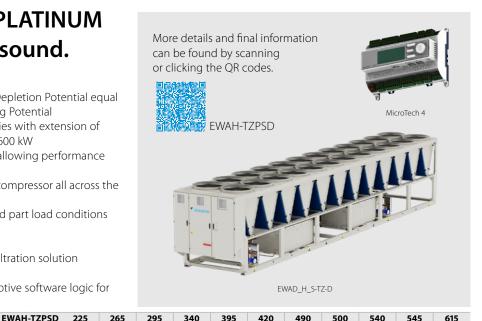
- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EWAH-TZX	RD	220	230	275	300	350	400	465	470	515	540	545	600
SEER					5.404	5.363	5.942	5.775	6.188	6.026	6.02	6.284	6.103	5.588	6.133	6.042
Cooling capacity	Nom.			kW	216.3	228.3	271.7	295.3	345.2	393.5	467.2	461.6	497.8	528	537.6	594.3
Power input	Cooling	Nom.		kW	68.5	75.92	81.59	92.45	98.6	122.2	132.7	139.1	159.9	153.8	153.6	178.3
Capacity control	Method									Ste	oless					
	Minimum	capacity		%	22	20	18	16	25	22	10	19	17	30	1	0
EER					3.157	3.007	3.33	3.194	3.501	3.219	3.52	3.319	3.112	3.434	3.494	3.334
IPLV					6.058	6.007	6.144	6.065	6.641	6.619	6.273	6.667	6.49	5.796	6.414	6.301
Dimensions	Unit	Height	r	nm						2,	553					
		Width	r	nm						2,2	238					
		Depth	r	nm	2,6	580	3,	760	4,8	340	7,000		5,920		7,0	00
Weight	Unit			kg	2,8	351	3,	362	4,	143	5,006	4,6	589	5,443	5,225	5,277
	Operation	n weight		kg	2,7	761	3,277	3,282	4,068	4,078	4,951	4,634	4,639	5,398	5,180	5,242
Air heat exchanger	Type									Micro	hannel					
Compressor	Type									Screw co	mpresso	or				
	Quantity							1			2		1		1	2
Fan	Type									Direct p	ropeller					
	Quantity					4		6		8	12		10		1.	2
		Cooling	Nom.	l/s	18,	890	28	,330	37,	770	56,660		47,213		56,6	660
Sound power level		Nom.		BA	86.7	86.9	89.3	89.9	87.9	89.4	90.5	93.3	91.1	89.2	90.8	94.2
Sound pressure leve		Nom.		BA	67.62	67.78	69.6	70.14	67.59	69.17	69.38	72.53	70.32	68.42	69.59	73.07
Operation range	Air side	Cooling	Min.~Max. °C	DB							~46					
Refrigerant	Type/GW	P									4(ze)/7					
	Charge			kg	3	0	35	40	45	55		55	70		75	85
	Circuits	Quantity						1			2		1			2
Piping connection			llet/outlet (OD)			88.9	mm					7mm			168.3	mm
Unit	Starting curren			Α							0					
		Cooling	Nom.	Α	150.2	163.3	180.6	199.6	216.9	249.8	305.9	283.6	314.9	306.1	343.5	386.6
	current	Max		Α	172	183	214	236	269	310	364	357	394	414	406	448
Power supply	Phase/Fre	equency/\	oltage H	z/V						3~/5	0 /400					
			EWAH-TZX	RD	620	645	700	750	790	840	900	975	H10	H11	H12	H13
SEER					5.467	6.207	6.095	6.392	6.417	6.318	6.216	6.252	6.226	5.875	5.942	5.987
Cooling capacity	Nom.			kW	607.1	632.8	687.3	743.4	780.8	831.9	886	959.8	1,066	1,167	1,257	1,363
Power input	Cooling	Nom.		kW	194.4	186.7	211.1	220	225.2	250.2	276	301.6	327.9	351.2	384.5	419.4
Capacity control	Method									Ste	oless					
	Minimum	capacity		%	25	14	13		12	11		10		14	13	12
EER					3.123	3.389	3.255	3.379	3.467	3.325	3.21	3.182	3.251	3.323	3.268	3.251
IPLV					5.64	6.46	6.317	6.633	6.648	6.52	6.407	6.445	6.447	6.498	6.388	6.435
Dimensions	Unit	Height	r	nm							553					
		Width	r	nm							238	,				
		Depth	r	nm	5,920		000	8,080		9,160		10,240	-	320	12,400	13,480
Weight	Unit			kg	5,443		534	6,271		753	6,842	7,323	8,211	8,880	9,362	9,843
	Operation	n weight		kg	5,408	5,504	5,509	6,256	6,743	6,748	6,847	7,338	8,241	8,925	9,417	9,913
Air heat exchanger											hannel					
Compressor	Type									Screw co	mpresso	or				
	Quantity				1					D: .	2					
Fan	Type				- 40						ropeller					
	Quantity	c !:	<b>.</b>		10		12	14		16		18		20	22	24
<u> </u>		Cooling	Nom.	I/s	47,213		660	66,098	04.5	75,540	0.11	84,983		,425	103,868	
Sound power level		Nom.		BA	90.2	89.1	90.2	91	91.6	92.4	94.1	95.6	94.1	92.7	93.4	94.2
Sound pressure leve		Nom.		IBA	69.5	67.94	69.04	69.4	69.68	70.53	72.22	73.4	71.53	70.14	70.59	71.07
Operation range	Air side		Min.~Max. °C	DB	-						~46					
Refrigerant	Type/GW	r		lea.	OF.	90	95	105	110		4(ze)/7	125	150	165	175	100
	Charge	Quantity		kg	85 1	90	95	105	110	115	125	135	150	165	1/5	190
Piping connection						160	20000			210.1	2			277	) ma ma	
			net/outlet (OD)	۸	139.7mm	168	3mm			219.1mm				2/3	Bmm	
Unit	Starting curren		Nom	Α	2667	4011	122.0	454.5	470		0 5.471	502.0	642.0	675.5	722 6	702.0
	Running current	Cooling Max	INOM.	Α	366.7	401.1	433.8		470 570	507.6	547.1	592.9	642.8	675.5	732.6	793.9
D		Max equency/V	/-la ''	A	491	472	517	527	579	618	655	702	787	902	992	1,090
Power supply	i iiase/Fit	equency/ v	onage n	z/V						3~/3	0 /400					

# Inverter screw with PLATINUM efficiency. Standard sound.

- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EWA	AH-TZPSD	225	265	295	340	39	5 42	20 49	90	500	540	545	615
SEER					6.234	6.353	6.334	6.977	6.70	09 6.8	49 6.7	786	6.44	6.576	6.09	6.865
Cooling capacity	Nom.			kW	227.3	266.6	293.6	336.7	39	92 421	1.5 84	8.9	502.6	538.7	541.2	612.4
Power input	Cooling	Nom.		kW	61.76	71.25	81.63	84.16	105	5.1 113	3.2 13	3.4	132.3	141.6	143.6	156.8
Capacity control	Method									Step	less					
' '	Minimum	capacity		%	22	19	17	28	23			9		10	30	15
EER		,			3.6	3.618	3.499	3.853	3.6			561	3.737	3.721	3.736	3.843
IPLV					6.688	6.689	6.595	7.437	7.04	_	_	)93	6.797	6.932	6.385	7.155
Dimensions	Unit	Height		mm						2,5						
		Width		mm						2,2						
		Depth		mm	3,640	4.7	720	5.8	300			380		7,960	6,880	7,960
Weight	Unit	Берин		kg	3,212		24		569	5,0		136	5,157	5,639	5,805	6,151
Weight	Operation	woight		kg	3,242	3,759	3,764	4,614	4,62			201	5,227	5,714	5,880	6,236
Air heat exchanger		weight		Kg	3,272	3,737	3,704	7,017	7,02	Microcl		-01	3,221	3,7 17	3,000	0,230
Compressor	Туре									Screw cor						
Compressor	Ouantity							1		Sciew coi	iipiessoi			2	1	2
										D:						
Fan	Туре									Direct p						
	Quantity	- "			6		8		10			12		14	12	14
<u> </u>	Air flow rate		Nom.	I/s	33,930		240		540	_		848	40	79,170	67,848	79,170
Sound power level		Nom.		dBA	97.5	98.1	102.6	95.7	98.			4.6	100.6	100.9	99	96.6
Sound pressure leve		Nom.		dBA	77.74	77.83	82.3	75	77.9			.39	79.43	79.35	77.82	75.06
Operation range	Air side	Cooling	Min.~Max.	°CDB						-20 -						
Refrigerant	Type/GW	Р								R-1234	• •					
	Charge			kg	30	35	40	45	55	5 60	0 6	55	70		75	85
	Circuits	Quantity						1						2	1	2
Piping connections	s Evaporate	or water in	ilet/outlet (OD)			88.9mm				139.7mm			168	.3mm	139.7mm	219.1mr
Unit	Starting curren	Max		Α						0	)					
	Running	Cooling	Nom.	Α	142.3	166.7	184.7	196.1	230	0.8 24	8 2	78	298.6	322.3	290.8	347.4
	current	Max		Α	183	214	235	258	30	)1 33	30 3	67	375	406	425	432
Power supply	Phase/Fre	quency/V	/oltage	Hz/V						3~/50	/400					
			F)A/	ALL T70CD	CAF	700	770	0.41	-	000	060		C10	H10	1144	C12
CEED			EW	AH-TZPSD	645	700	770	845		900	960		C10		H11	C12
SEER					6.816	6.672	6.656		_	6.595	6.596		5.52	6.564	6.262	6.327
Cooling capacity	Nom.			kW	640.9	697.3	768.3	847.	-	901.3	958.2		.006	1,068	1,163	1,216
Power input	Cooling	Nom.		kW	167.4	190.8	209.2	230.	.4	254.6	268.9	_   28	89.6	305.9	315.5	327.6
Capacity control	Method									Step						_
	Minimum	capacity		%	14	13	12	11				10			14	
EER					3.782	3.642		3.648		3.528	3.54		.462	3.469	3.7	3.712
					7.157	6.992	6.965	7.13	4	6.932	6.912	6.	.746	6.815	6.562	7.068
IPLV				mm						2,5	53					
Dimensions	Unit	Height		111111												
	Unit	Height Width		mm						2,2	38					
	Unit				7,9	960	9,040		10,12		11	,200		12,2	80	13,360
	Unit	Width		mm		960 151	9,040 6,722		10,12 7,256	20	11	,200 ,050		12,2 8,573	9,242	13,360 9,723
Dimensions		Width Depth		mm mm					7,256	20	11	,050	,190			
Dimensions	Unit Operation	Width Depth		mm mm kg	6,	151	6,722		7,256	6	8,180	,050	,190	8,573	9,242	9,723
Dimensions Weight	Unit Operation	Width Depth		mm mm kg	6,	151	6,722		7,256 71	20 6 7,381	11 8, 8,180 hannel	,050 8,	,190	8,573	9,242	9,723
Dimensions  Weight  Air heat exchanger	Unit Operation Type	Width Depth		mm mm kg	6,	151	6,722		7,256 71	20 6 7,381 Microcl	11 8, 8,180 hannel mpressor	,050 8,	,190	8,573	9,242	9,723
Dimensions  Weight  Air heat exchanger	Unit Operation Type Type	Width Depth		mm mm kg	6,	151	6,722		7,256 71	20 6 7,381 Microck Screw cor	8,180 hannel mpressor	,050 8,	,190	8,573	9,242	9,723
Dimensions  Weight  Air heat exchanger Compressor	Unit Operation Type Type Quantity	Width Depth		mm mm kg	6,241	151	6,722		7,256 71	20 6 7,381 Microck Screw cor	8,180 hannel mpressor 2 ropeller	,050 8,	,190	8,573	9,242 9,402	9,723
Dimensions  Weight  Air heat exchanger Compressor	Unit Operation Type Type Quantity Type	Width Depth n weight	Nom.	mm mm kg	6,241	151 6,246	6,722 6,827	7,37	7,256 71	7,381 Microcl Screw cor 2 Direct pr	8,180 hannel mpressor 2 ropeller	,050 8,	,190	8,573 8,723	9,242 9,402	9,723 9,893 24
Dimensions  Weight  Air heat exchanger Compressor	Unit Operation Type Type Quantity Type Quantity Air flow rate	Width Depth n weight	Nom.	mm kg kg	6,241	151 6,246	6,722 6,827	7,37	7,256 71 9 18 101,78	7,381 Microcl Screw cor 2 Direct pr	8,180 hannel mpressor 2 ropeller	,050 8,	06.9	8,573 8,723	9,242 9,402	9,723 9,893 24
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling	Width Depth  weight  Cooling Nom.	Nom.	mm kg kg l/s	6, 6,241 1 79, 97.5	151 6,246 4 ,170 99.3	6,722 6,827 16 90,480 101	7,37	7,256 71 S 18 101,78	20 6 7,381 Microck Screw cor 2 Direct pr 80 104.2	11 8, 8,180 hannel mpressor 2 ropeller 113 106.5	,050 8, - 20 3,089	06.9	8,573 8,723 2,140,1 105.5	9,242 9,402 2 200 102.4	9,723 9,893 24 152,945 102.8
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling	Width Depth  weight  Cooling Nom. Nom.		mm kg kg l/s dBA dBA	6, 6,241 1 79	151 6,246 4 ,170	6,722 6,827 16 90,480	7,37	7,256 71 S 18 101,78	20 6 7,381 Microck Screw cor 2 Direct pr 80 104.2 81,92	11 8, 8,180 hannel mpressor 2 ropeller 113 106.5 83.96	,050 8, - 20 3,089		8,573 8,723 22 140,	9,242 9,402 2 200	9,723 9,893 24 152,945
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling I Cooling Air side	Width Depth  weight  Cooling Nom. Nom. Cooling	Nom. Min.~Max.	mm kg kg l/s	6, 6,241 1 79, 97.5	151 6,246 4 ,170 99.3	6,722 6,827 16 90,480 101	7,37	7,256 71 S 18 101,78	20 6 7,381 Microck Screw cor 2 Direct po 80 104.2 81.92	11 8, 8,180 hannel mpressor 2 ropeller 113 106.5 83.96 ~46	,050 8, - 20 3,089	06.9	8,573 8,723 2,140,1 105.5	9,242 9,402 2 200 102.4	9,723 9,893 24 152,945 102.8
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW	Width Depth  weight  Cooling Nom. Nom. Cooling		mm kg kg l/s dBA dBA cCDB	6, 6,241 1 79, 97.5 75.95	151 6,246 4 ,170 99.3 77.76	16 90,480 101 79.04	7,37	7,256 71 18 101,78 .3	20 6 7,381 Microcl Screw cor 2 Direct pl 80 104.2 81.92 -20 - R-1234	11 8,180 hannel mpressor 2 ropeller 113 106.5 83.96 ~46 4(ze)/7	,050 8, 20 3,089 10 8	06.9	8,573 8,723 2,140,105.5 82.67	9,242 9,402 2 200 102.4 79.52	9,723 9,893 24 152,945 102.8 79.71
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling I Cooling Air side Type/GW Charge	Width Depth  weight  cooling Nom. Nom. Cooling	Min.~Max.	mm kg kg l/s dBA dBA	6, 6,241 1 79, 97.5	151 6,246 4 ,170 99.3	6,722 6,827 16 90,480 101	7,37	7,256 71 18 101,78 .3	20 6 7,381 Microcl Screw cor 2 Direct pr 80 104.2 81.92 -20 - R-1234 125	111 8, 8,180 hannel mpressor 2 ropeller 113 106.5 83.96 ~46 6(ze)/7	,050 8, 20 3,089 10 8	06.9	8,573 8,723 2,140,1 105.5	9,242 9,402 2 200 102.4	9,723 9,893 24 152,945 102.8
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits	Width Depth  Nom. Nom. Cooling P	Min.~Max.	mm kg kg l/s dBA dBA cCDB	6, 6,241 1 79, 97.5 75.95	151 6,246 4 ,170 99.3 77.76	16 90,480 101 79.04	7,37 102. 80.0	7,256 71 18 101,78 .3	20 6 7,381 Microcl Screw cor 2 Direct pl 80 104.2 81.92 -20 - R-1234	111 8, 8,180 hannel mpressor 2 ropeller 113 106.5 83.96 ~46 6(ze)/7	,050 8, 20 3,089 10 8	06.9 4.32	8,573 8,723 22 140, 105.5 82.67	9,242 9,402 2 200 102.4 79.52	9,723 9,893 24 152,945 102.8 79.71
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits Evaporate	Width Depth  Percooling Nom. Nom. Cooling Percooling Quantity or water in	Min.~Max.	mm kg kg I/s dBA dBA °CDB	6, 6,241 1 79, 97.5 75.95	151 6,246 4 ,170 99.3 77.76	16 90,480 101 79.04	7,37 102. 80.0	7,256 71 18 101,78 .3	20 6 7,381 Microcl Screw cor 2 Direct p 80 104.2 81.92 -20 R-1234 125	111 8, 8,180 hannel propeller 113 106.5 83.96 ~46 4(ze)/7 130	,050 8, 20 3,089 10 8	06.9 4.32	8,573 8,723 2,140,105.5 82.67	9,242 9,402 2 200 102.4 79.52	9,723 9,893 24 152,945 102.8 79.71
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Width Depth  Provided the cooling of	Min.~Max.	mm kg kg I/s dBA dBA °CDB	6, 6,241  1 79, 97.5 75.95	151 6,246 4 170 99.3 77.76	16 90,480 101 79.04	7,37	7,256 71 S 18 101,78 .3 O5	20 6 7,381 Microcl Screw cor 2 Direct p 80 104.2 81.92 -20 - R-1234 125 2	111 8, 8,180 hannel mpressor 2 ropeller 113 106.5 83.96 ~46 6(ze)/7 130	20 3,089 10 8,4	06.9 4.32	8,573 8,723 2.7 140,7 105.5 82.67 150	9,242 9,402 2 2 200 102.4 79.52	9,723 9,893 24 152,945 102.8 79.71
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits Evaporate Starting curren Running	Width Depth  Cooling Nom. Nom. Cooling P  Quantity or water in Max Cooling	Min.~Max.	mm kg kg I/s dBA dBA °CDB	6, 6,241  1 79, 97.5, 75.95  90	151 6,246 14 170 99.3 77.76	16 90,480 101 79.04 105 219.1mm	7,37  102. 80.0  115  n	7,256 71   S	20 6 7,381 Microcl Screw cor 2 Direct pr 80 104.2 81.92 -20 R-1234 125 2	111 8, 8,180 hannel mpressor 2 ropeller 113 106.5 83.96 ~46 6(ze)/7 130 2	20 3,089 10 8,4	06.9 4.32 140	8,573 8,723 2.7 140,7 105.5 82.67 150 273mm	9,242 9,402 2 2 200 102.4 79.52	9,723 9,893 24 152,945 102.8 79.71 170
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Width Depth  Cooling Nom. Cooling Quantity or water in Max Cooling Max	Min.~Max.  nlet/outlet (OD)  Nom.	mm kg kg I/s dBA dBA °CDB	6, 6,241  1 79, 97.5 75.95	151 6,246 4 170 99.3 77.76	16 90,480 101 79.04	7,37	7,256 71   S	20 6 7,381 Microcl Screw cor 2 Direct p 80 104.2 81.92 -20 - R-1234 125 2	111 8, 8,180 hannel mpressor 2 ropeller 113 106.5 83.96 ~46 6(ze)/7 130 2	20 3,089 10 8,4	06.9 4.32	8,573 8,723 2.7 140,7 105.5 82.67 150	9,242 9,402 2 2 200 102.4 79.52	9,723 9,893 24 152,945 102.8 79.71

## Inverter screw with PLATINUM efficiency. Reduced sound.

- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,600 kW
- > New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



CEED			EWAH-TZPRD	225	265	295	340	395	420	490	500	540	545	615
SEER			114/	6.176	6.335	6.289	7.018	6.627	6.824	6.728	6.458	6.426	6.091	6.484
Cooling capacity	Nom.		kW	225.2	264.6	291.2	333.9	389.2		481.2	497.4	533.5	536.5	604.9
Power input	Cooling	Nom.	kW	61.76	71.25	81.63	84.16	105.1	113.2	133.4	132.3	141.6	143.6	156.8
Capacity control	Method								Stepless					
	Minimum	capacity	%	22	19	17	28	23	22	19		10	30	15
EER				3.647	3.713	3.567	3.967	3.705	3.703	3.606	3.76	3.768	3.736	3.858
IPLV				6.699	6.688	6.583	7.472	7.129	7.273	7.127	6.826	6.955	6.407	7.285
Dimensions	Unit	Height	mm						2,553					
		Width	mm						2,238					
		Depth	mm	3,760	4,8	340	5,9	20		7,000		8,080	7,000	8,080
Weight	Unit		kg	3,332	3,8	844	4,6	89	5,170	5,256	5,277	5,759	5,925	6,271
	Operation	n weight	kg	3,242	3,759	3,764	4,614	4,624	5,110	5,201	5,227	5,714	5,880	6,236
Air heat exchanger	Type							ı	Microchani	nel				
Compressor	Туре							Sci	rew compr	essor				
	Quantity						1					2	1	2
Fan	Туре							D	irect prope	eller				
	Quantity			6	5	В	1	0		12		14	12	14
	Air flow rate	Cooling Nom.	l/s	28,330	37,7			213		56,660		66,098		66,09
Sound power level		Nom.	dBA	87.5	88.3	91.5	87.6	89.1	90.2	93.4	90.5	91	89.6	88.9
Sound pressure level		Nom.	dBA	67.73	68.06	71.23	66.88	68.33		72.28	69.38	69.43	68.42	67.29
Operation range	Air side	Cooling Min.~Max		07.73	00.00	/ 1.23	00.00	00.55	-20 ~46	12.20	09.30		00.42	01.29
Refrigerant	Type/GW								R-1234(ze)	/7				
Kenigerani	Charge	<u> </u>	kg	30	35	40	45	55	60	65	70	1	75	85
	Circuits	Quantity	, kg	30	33	40	1		00	0.5	70	2	1	2
Dining connections			OD)		000000		<u>'</u>	120	7		160			
		or water inlet/outlet (			88.9mm			135	9.7mm		108	3.3mm	139.7mm	219.IM
Unit	Starting curren		A	145.5	160.0	1001	100.0	225.0	0	202.4	205.0	220.0	200.5	255.0
	Running	Cooling Nom.	A	145.5	169.8	188.1	199.8	235.9	252.3	283.4	305.9	329.8	298.5	355.9
	current	Max	Α	183	214	235	258	301	330	367	375	406	425	432
Power supply	Phase/Fre	equency/Voltage	Hz/V						3~/50 /40	0				
			EWAH-TZPRD	645	700	770	84	5 9	900 9	60	C10	H10	H11	C12
SEER				6.833	6.649	6.674				665	6.53	6.577	6.262	6.255
Cooling capacity	Nom.		kW	633.1	689	760.6		_			994.9	1,056	1,150	1,204
Power input	Cooling	Nom.	kW	167.4	190.8	209.2					289.6	305.9	315.5	327.6
Capacity control	Method	TTOIN.	NVV	107.1	170.0	200.2			Stepless		203.0	303.7	313.3	327.0
capacity control	Minimum	capacity	%	14	13	12	11		Stepiess	10			14	1
EER	William	capacity	70	3.783	3.612	3.636		6 2	.504 3		3.435	3.452	3.644	3.675
IPLV				7.162	7.001	6.458					6.794	6.863	6.451	6.947
	11-24	11-1-1-4		7.102	7.001	0.436	7.110	5 0		.910	0./94	0.003	0.431	0.947
Dimensions	Unit	Height	mm						2,553					
		Width	mm		000	0160		10 240	2,238	11 220		12.4	00	12 400
147 * 1 .	11.1.	Depth	mm		,080	9,160		10,240		11,320		12,4		13,480
Weight	Unit		kg		,271	6,842		7,376		8,170		8,693	9,362	9,843
	Operation	n weight	kg	6,241	6,246	6,827	7,37				8,190	8,723	9,402	9,893
Air heat exchanger									Microchani					
Compressor	Type							Sci	rew compr	essor				
	Quantity								2					
Fan	Type								irect prope					
	Quantity				14	16		18		20		22		24
	Air flow rate		I/s		5,098	75,540		84,983		94,42		103,8		113,320
Sound power level	Cooling	Nom.	dBA	89.2	90.1	91.2	92.	3 9	93.5 9	5.4	95.7	94.8	92.6	93.1
Sound pressure level	Cooling	Nom.	dBA	67.65	68.52	69.33	70.0	2 7	71.3 7	2.9	73.2	71.92	69.81	69.96
Operation range	Air side	Cooling Min.~Max	c. °CDB						-20 ~46					
Refrigerant	Type/GW	P							R-1234(ze)	/7				
-	Charge		kg	90	95	105	115			130	140	150	160	170
	Circuits	Quantity		ĺ					2					
Pipina connections		or water inlet/outlet (	OD)			219.1mi	m					273mm		
Unit	Starting curren		A A	1		,,,,,,,,,,			0					
J		Cooling Nom.	A	374.4	414.8	449.1	484	8 5		52.9	584.1	617.4	631.3	656.9
	current	Max	A	458	505	558	609			594	731	779	875	923
Power cumply				750	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	) ))0	00:	, (			/51	117	0,5	723
Power supply		equency/Voltage	Hz/V	730	1 303	330	1 00:	,   (	3~/50 /40		751		0/3	

# Inverter screw cooling only with BLU efficiency. Standard sound.

- > Refrigerant R-513A
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EWAS-TZBSD	275	320	345	400	470	525	580	625	755	830	915
SEER				4.3		.4		4.6		4.7		4.6		4.7
Cooling capacity	Nom.		kW	258.8	310.6	338.2	405.8	451.2	505.5	554.9	597.4	734	800.1	884.2
Power input	Cooling		kW	97.8	106.4	122.7	145.2	170.8	178.3	210.4	244.8	246.3	284.8	319.3
Capacity control	Method								Stepless					
	Minimum	capacity	%	22	19	17	22	23	22	19	17	13	11	13
EER				2.646	2.919	2.756	2.795	2.642	2.835	2.637	2.44	2.98	2.809	2.769
IPLV				4.3	4.5	4.4	4.7	4	.6	4	.5	4.8	4	.7
Dimensions	Unit	Height	mm						2,553					
		Width	mm						2,238					
		Depth	mm	2,560			540			4,720			6,880	
Weight	Unit		kg	2,602		)84	-	186		4,032			670	6,142
	Operation	n weight	kg	2,677	3,1	169	3,583.7		4,160.1	4,170.1	4,175.1	6,055	6,065	6,748
Air heat exchanger									icrochani					
Compressor	Type								w compr	essor				
	Quantity							1					2	
Fan	Type							Dir	ect prope					
	Quantity			4			6			8			12	
	Air flow rate		I/s	25,490			235			50,990			76,470	
Sound power level		Nom.	dBA	97.4	97.9	100	97.3	96.7	97.7	98.1	100.5	99	100	99
Sound pressure level		Nom.	dBA	78.3	78.2	80.3	77.6	77	77.4	77.8	80.3	77.8	78.8	77.8
Operation range	Air side	Cooling Min.~Ma:	c. °CDB						5 ~42					
Refrigerant	Type/GW	P							R-513A/63					
	Charge		kg	35	4	15	55	65	70	80	85	105	115	125
	Circuits	Quantity						1					2	
		or water inlet/outlet (			88.9mm				139.7mm			168.	3mm	219.1mr
Unit	Starting curren		Α						0					
	Running	Cooling Nom.	A	190.1	207.1	228.7	262	300.2	315.2	362.8	413.9	457.4	515.3	568.4
	current	Max	Α	220	262	284	346	362	400	457	464	600	6	68
Power supply	Phase/Fre	equency/Voltage	Hz/V						3~/50 /40	0				
			EWAS-TZBSD	C10	H10	H11	C12	C13	C14	C15	H16	H17	H18	H19
SEER						4.7				1.6	4.9	4.8	4.7	4.8
Cooling capacity	Nom.		kW	953.9	1,050	1,127	1,197	1,293	1,359.6	1,483.5	1,606	1,688	1,799.6	1,868
Power input	Cooling		kW	371.96	393.3	411.8	434.6	472.69	519.9	558.77	581.2	647.2	699.02	775.2
Capacity control				57 117 0	0,0.0			., 2.05	Stepless		302	0 1.712	077102	,,,,,,
	Method													
	Method Minimum	capacity	%	11			1	0	stepless		13	12	11	10
	Minimum	capacity	%	11	2 67	2 737		0 2 735			13	12 2 608	11 2 574	10 2.41
EER		capacity	%	2.565	2.67	2.737	2.754	2.735	2.615	2.655	2.763	2.608	2.574	2.41
EER IPLV	Minimum					2.737			2.615 4.6		2.763		2.574	
EER		Height	mm	2.565			2.754		2.615 4.6 2,553		2.763	2.608	2.574	2.41
EER IPLV	Minimum	Height Width	mm mm	2.565 4.7	4	.8	2.754 4.7	2.735	2.615 4.6 2,553 2,238		2.763	2.608	2.574	2.41
EER IPLV Dimensions	Minimum	Height	mm mm mm	2.565 4.7 6,880	7,960	9,040	2.754 4.7	2.735	2.615 4.6 2,553 2,238 200	2.655	2.763 5	2.608	2.574	2.41
EER IPLV	Minimum Unit Unit	Height Width Depth	mm mm mm kg	2.565 4.7 6,880 6,142	7,960 6,816	9,040	2.754 4.7 10,120 7,779	2.735 11,2 8,260	2.615 4.6 2,553 2,238 200 8,581	9,920	2.763 5 12,280 10,	2.608	2.574	2.41 5.1 360 805
EER IPLV Dimensions Weight	Unit Unit Operation	Height Width Depth	mm mm mm	2.565 4.7 6,880	7,960	9,040	2.754 4.7	2.735 11,2 8,260 9,002	2.615 4.6 2,553 2,238 200 8,581 9,333	9,920 11,146	2.763 5	2.608	2.574	2.41
EER IPLV Dimensions Weight Air heat exchanger	Unit Unit Operation Type	Height Width Depth	mm mm mm kg	2.565 4.7 6,880 6,142	7,960 6,816	9,040	2.754 4.7 10,120 7,779	2.735 11,2 8,260 9,002 M	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochani	9,920 11,146 nel	2.763 5 12,280 10,	2.608	2.574	2.41 5.1 360 805
EER IPLV Dimensions Weight	Unit Unit Operation Type Type	Height Width Depth	mm mm mm kg	2.565 4.7 6,880 6,142	7,960 6,816	9,040	2.754 4.7 10,120 7,779	2.735 11,2 8,260 9,002 M	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochaniew compression	9,920 11,146 nel	2.763 5 12,280 10,	2.608	2.574	2.41 5.1 360 805
EER IPLV Dimensions Weight Air heat exchanger Compressor	Unit Unit Operation Type Type Quantity	Height Width Depth	mm mm mm kg	2.565 4.7 6,880 6,142	7,960 6,816	9,040	2.754 4.7 10,120 7,779	2.735 11,2 8,260 9,002 M Scre	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochantew compression	9,920 11,146 nel	2.763 5 12,280 10,	2.608	2.574	2.41 5.1 360 805
EER IPLV Dimensions Weight Air heat exchanger	Unit Unit Operation Type Type Quantity Type	Height Width Depth	mm mm mm kg	2.565 4.7 6,880 6,142 6,763	7,960 6,816 7,523	.8 9,040 7,297 8,014	2.754 4.7 10,120 7,779 8,506	2.735 11,2 8,260 9,002 M Scre	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochaniew compressive comp	9,920 11,146 nel	2.763 5 12,280 10, 11,564	2.608	2.574 5 13,: 10,: 12,076	2.41 5.1 360 805 12,086
EER IPLV Dimensions Weight Air heat exchanger Compressor	Unit Unit Operation Type Type Quantity Type Quantity Output Type Quantity	Height Width Depth	mm mm kg kg	2.565 4.7 6,880 6,142 6,763	7,960 6,816 7,523	.8 9,040 7,297 8,014	2.754 4.7 10,120 7,779 8,506	2.735 11,,2 8,260 9,002 M Scre	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochaniew compress 2 eect properties	9,920 11,146 nel	2.763 5 12,280 10, 11,564	2.608	2.574 5 13,: 10,: 12,076	2.41 360 805 12,086
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan	Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate	Height Width Depth n weight	mm mm kg kg	6,880 6,142 6,763	7,960 6,816 7,523	.8 9,040 7,297 8,014 16 101,980	2.754 4.7 10,120 7,779 8,506	2.735 11,2 8,260 9,002 M Scree Dir 2 127,	2.615 4.6 2,553 2,238 200 8,581 9,333 icirochani ww.compro 2 ect proper	9,920 11,146 nel esssor	2.763 5 12,280 10, 11,564 22 140,195	2.608 .2 323 11,579	2.574 5 13,: 10,: 12,076	2.41 360 805 12,086
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level	Unit Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling	Height Width Depth n weight e Cooling Nom. Nom.	mm mm kg kg	2.565 4.7 6,880 6,142 6,763 12 76,470 100	7,960 6,816 7,523 14 89,233 100.7	9,040 7,297 8,014 16 101,980	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7	2.615 4.6 2,553 2,238 200 8,581 9,333 icirochani w compre 2 ect prope	9,920 11,146 nel essor	2.763 5 12,280 10, 11,564 22 140,195 104.1	2.608 .2 323 11,579	2.574 5 13,-10,0 12,076 2 152, 105.8	2.41 3.1 360 805 12,086 44 940 106.6
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level	Unit Unit Operation Type Type Quantity Type Quantity Cooling Cooling	Height Width Depth n weight  Cooling Nom. Nom. Nom.	mm mm kg kg	6,880 6,142 6,763	7,960 6,816 7,523 14 89,233 100.7	.8 9,040 7,297 8,014 16 101,980	2.754 4.7 10,120 7,779 8,506	2.735 11,2 8,260 9,002 M Scree Dir 2 127,	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochannew compre 2 eect prope 00 4,450 104.8 82.3	9,920 11,146 nel esssor	2.763 5 12,280 10, 11,564 22 140,195	2.608 .2 323 11,579	2.574 5 13,: 10,: 12,076	2.41 360 805 12,086
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Unit Unit Operation Type Type Quantity Type Quantity Cooling Cooling Air side	Height Width Depth  n weight  e Cooling Nom. Nom. Nom. Cooling Min.~Ma:	mm mm kg kg	2.565 4.7 6,880 6,142 6,763 12 76,470 100	7,960 6,816 7,523 14 89,233 100.7	9,040 7,297 8,014 16 101,980	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7 81.2	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochaniew compre 2 eect propeo 450 104.8 82.3 5 ~42	9,920 11,146 nel essor	2.763 5 12,280 10, 11,564 22 140,195 104.1	2.608 .2 323 11,579	2.574 5 13,-10,0 12,076 2 152, 105.8	2.41 3.1 360 805 12,086 44 940 106.6
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level	Unit Unit Operation Type Type Quantity Type Quantity Airflow rate Cooling Cooling Air side Type/GW	Height Width Depth  n weight  e Cooling Nom. Nom. Nom. Cooling Min.~Ma:	mm mm kg kg l/s dBA dBA	2.565 4.7 6,880 6,142 6,763 12 76,470 100 78.8	7,960 6,816 7,523 14 89,233 100.7	9,040 7,297 8,014 16 101,980 101 9.1	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8 79.6	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7 81.2	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochaniew compre 2 eect prope 0 450 104.8 82.3 5~42 R-513A/63	9,920 11,146 nel essor eller 106.2 83.4	2.763 5 12,280 10, 11,564 22 140,195 104.1 81.2	2.608 .2 323 11,579 104.9 82	2.574 5 13,, 10,, 12,076 2 152, 105.8 82.7	2.41 360 805 12,086 44 940 106.6 83.5
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Unit Unit Unit Operation Type Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Height Width Depth  n weight  e Cooling Nom. Nom. Nom. Cooling Min.~Ma:	mm mm kg kg	2.565 4.7 6,880 6,142 6,763 12 76,470 100	7,960 6,816 7,523 14 89,233 100.7	9,040 7,297 8,014 16 101,980	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7 81.2	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochann w compre 2 ect prope 0 450 104.8 82.3 5 ~42 R-513A/63	9,920 11,146 nel essor	2.763 5 12,280 10, 11,564 22 140,195 104.1	2.608 .2 323 11,579	2.574 5 13,-10,0 12,076 2 152, 105.8	2.41 360 805 12,086
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant	Unit Unit Unit Operation Type Type Quantity Airflowrate Cooling Cooling Air side Type/GW Charge Circuits	Height Width Depth n weight  e Cooling Nom. Nom. Nom. Cooling Min.~Ma: P	mm mm kg kg l/s dBA dBA dBA k. °CDB	2.565 4.7 6,880 6,142 6,763 12 76,470 100 78.8	7,960 6,816 7,523 14 89,233 100.7	9,040 7,297 8,014 16 101,980 101 9.1	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8 79.6	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7 81.2	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochaniew compre 2 eect prope 0 450 104.8 82.3 5~42 R-513A/63	9,920 11,146 nel essor eller 106.2 83.4	2.763 5 12,280 10, 11,564 22 140,195 104.1 81.2	2.608 .2 323 11,579 104.9 82	2.574 5 13,, 10,, 12,076 2 152, 105.8 82.7	2.41 360 805 12,086 44 940 106.6 83.5
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant Piping connections	Unit Unit Operation Type Type Quantity Airflowrate Cooling Cooling Air side Type/GW Charge Circuits Evaporate	Height Width Depth  n weight  Cooling Nom. Nom. Cooling Min.~Ma: P  Quantity or water inlet/outlet (	mm mm kg kg l/s dBA dBA dBA c. °CDB	2.565 4.7 6,880 6,142 6,763 12 76,470 100 78.8	7,960 6,816 7,523 14 89,233 100.7	9,040 7,297 8,014 16 101,980 101 9.1	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8 79.6	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7 81.2	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochani w compre 2 ect prope 0 450 104.8 82.3 5 ~42 R-513A/63 195 2	9,920 11,146 nel essor eller 106.2 83.4	2.763 5 12,280 10, 11,564 22 140,195 104.1 81.2	2.608 .2 323 11,579 104.9 82	2.574 5 13,, 10,, 12,076 2 152, 105.8 82.7	2.41 360 805 12,086 44 940 106.6 83.5
EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range Refrigerant	Unit Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Height Width Depth  n weight  Cooling Nom. Nom. Nom. Cooling Min.~Ma: P  Quantity or water inlet/outlet (t Max	mm mm kg kg l/s dBA dBA dBA c. °CDB kg	2.565 4.7 6,880 6,142 6,763 12 76,470 100 78.8	7,960 6,816 7,523 14 89,233 100.7 75	9,040 7,297 8,014 16 101,980 101 9.1 160	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8 79.6	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7 81.2	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochanics compress 2 200 4,450 104.8 82.3 5 ~42 R-513A/63 195 2	9,920 11,146 nel essor eller 106.2 83.4	2.763 5 12,280 10, 11,564 22 140,195 104.1 81.2	2.608 .2 323 11,579 104.9 82 245 273mm	2.574 5 13,, 10,, 12,076 2 152, 105.8 82.7	2.41 5.1 360 805 12,086 44 940 106.6 83.5
EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant Piping connections	Unit Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Height Width Depth  n weight  Cooling Nom. Nom. Cooling Min.~Ma: P  Quantity or water inlet/outlet (	mm mm kg kg l/s dBA dBA dBA c. °CDB	2.565 4.7 6,880 6,142 6,763 12 76,470 100 78.8	7,960 6,816 7,523 14 89,233 100.7	9,040 7,297 8,014 16 101,980 101 9.1	2.754 4.7 10,120 7,779 8,506 18 114,705 101.8 79.6	2.735 11,2 8,260 9,002 M Scree Dir 2 127, 103.7 81.2	2.615 4.6 2,553 2,238 200 8,581 9,333 icrochani w compre 2 ect prope 0 450 104.8 82.3 5 ~42 R-513A/63 195 2	9,920 11,146 nel essor eller 106.2 83.4	2.763 5 12,280 10, 11,564 22 140,195 104.1 81.2	2.608 .2 323 11,579 104.9 82	2.574 5 13,, 10,, 12,076 2 152, 105.8 82.7	2.41 360 805 12,086 44 940 106.6 83.5

# Inverter screw with SILVER efficiency. Standard sound.

- > Refrigerant R-513A
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EWAS-TZSSD		325	380	430	495	520	535	555	585	595	645	650	705	760
SEER				5.2	5.4	5.5	5.2	5.1	4.9	5.3	5	4.9	5.2	5	5.2	4.9	5
Cooling capacity	Nom.		kW		329.3	374.3	426.2	487.5	522	529.7	553.9	583.2				702.3	758.2
Power input	Cooling	Nom.	kW	89.25	103.6	120.5	138.8	161.5	172.1	170.5	188.8	206.6	200.1	214.8	231	249.4	239.4
Capacity control	Method									Ste	pless						
	Minimum	capacity	%	22	19	17	22	23	11	22	1	10	19	10	17	10	13
EER				3.192	3.179	3.106	3.071	3.019	3.033	3.107	2.934	2.823	2.927	3.003	2.749	2.816	3.167
IPLV				5.5	5.6	5.7	5.8	5.6	5.2	5.7		5.1	5.6	5.2	5.5	5.1	5.7
Dimensions	Unit	Height	mm								553						-
5	0	Width	mm	_							238						
		Depth	mm	_		4,7	20				5,800			6 880	5,800	6,880	7,960
Weight	Unit	Берин	ko		3,6		3,968	4,032	4,693	4,513		693	4,513		4,513	5,177	6,151
weight		a waiaht			3,697		4,070.7	-			1 5,038					5,527	
A: b + b	Operatio	ii weigiit	kg	3,164	3,097	3,702	4,070.7	4,133.1	3,033				4,031.	1 3,322	4,001.1	3,327	6,536
Air heat exchanger				-							channel						
Compressor	Туре									crew co	mpress						
	Quantity			-		1			2	1		2	1	2	1		2
Fan	Type									Direct	oropelle	er		_			_
	Quantity			6		3					10			12	10	12	14
	Air flow rate			38,240		50,9	990				63,733	_			63,733	76,480	
Sound power level	Cooling	Nom.	dBA	97.8	98.3	100.2	97.7	97.1	99.3	98	99.5	100.7	98.4	100.9		103	99.2
Sound pressure level	l Cooling	Nom.	dBA	. 7	'8	80	77.4	76.9	78.6	77.3	78.7	79.9	77.7	79.8	80	81.9	77.7
Operation range	Air side	Cooling	Min.~Max. °CDE							-20	~42						
Refrigerant	Type/GW									R-513	BA/630						
•	Charge		ko	40	45	50	60	65	70		75		80		90	95	105
	Circuits	Quantity				1			2	1		2	1	2	1		2
Piping connections			let/outlet (OD)		88.9mm		139.7	mm	168.3mm	-		3mm	-		n 139.7mm	_	- 3mm
Unit	Starting curren		A P		00.711111		137.7		100.511111		0	J	133.71111	11 100.51111	11 133.711111	100.	3111111
Offic		Cooling			211.5	234.4	261.8	296.6	349.9	314.5	-	409.6	358.4	427.8	404.3	472.9	461.3
	current	Max	Nom. A		272	294	357	372	421	411	450	481	467	523	474	566	610
Danier anna lu		wax equency/V			2/2	294	337	3/2	421			401	407	525	4/4	300	010
Power supply	Pilase/Fit	equency/ v	oltage Hz/V							3~/3	0 /400						
			EWAS-TZSSD	835	960	C10	H10	) H1	1 H1	12 F	113 F	114	H15	H16	H17	H18	H19
SEER				5.2	5.3		5.2	5.3	3	5.4		5.2	5.5	5.	4	5.3	5.1
Cooling capacity																	
COOIIIIU Cabacity	Nom.		kW	832.7	948.8	_		3 1.14	9 1.20	68 1.	359 1.	465	1.542				37
	Nom. Coolina	Nom.	kW		948.8 321.4	1,001	1,043						1,542 516.5	1,638	1,756	1,8	
Power input	Cooling	Nom.			948.8 321.4	_	1,043			5.8 47	77.3 5		1,542 516.5				
	Cooling Method		kW	274.7	321.4	1,001	1,043			5.8 4 Ste			516.5	1,638 577.2	1,756 627.5	1,8 69.	5.5
Power input Capacity control	Cooling			274.7	321.4	1,001 354.4	1,043 375	408	3.9 436	5.8 4 Ste 10	77.3 5 pless	26.1	516.5	1,638 577.2	1,756 627.5	1,8 69	5.5
Power input Capacity control EER	Cooling Method		kW	274.7 11 3.031	321.4 12 2.952	1,001 354.4 2.824	1,043 375 11 2.78	1 2.8	1 2.9	5.8 4: Ste 10 03 2.	77.3 5 pless 847 2	.785	14 2.985	1,638 577.2 13 2.838	1,756 627.5 12 2.798	1,8 69: 11 2.6	5.5 10 541
Power input Capacity control EER IPLV	Cooling Method Minimum	ı capacity	kW	274.7 11 3.031 5.6	321.4	1,001 354.4	1,043 375	408	1 2.9	5.8 47 Ste 10 03 2. 5.5	77.3 5 pless 847 2	26.1	516.5	1,638 577.2	1,756 627.5	1,8 69	5.5
Power input Capacity control EER	Cooling Method	capacity Height	kW % mm	274.7 11 3.031 5.6	321.4 12 2.952	1,001 354.4 2.824	1,043 375 11 2.78	1 2.8	1 2.9	5.8 4: Ste 10 03 2. 5.5 2,	77.3 5 pless 847 2 553	.785	14 2.985	1,638 577.2 13 2.838	1,756 627.5 12 2.798	1,8 69: 11 2.6	5.5 10 541
Power input Capacity control EER IPLV	Cooling Method Minimum	Height Width	kW % mm mm	274.7 11 3.031 5.6	12 2.952 5.5	1,001 354.4 2.824 5.4	1,043 375 11 2.78	1 2.8	3.9 436 31 2.9	5.8 4: Ste 10 03 2. 5.5 2,	77.3 5 pless 847 2	.785 : 5.4	14 2.985 6.1	1,638 577.2 13 2.838	1,756 627.5 12 2.798	1,8 69. 11 2.6 5.7	5.5 10 541
Power input Capacity control  EER IPLV Dimensions	Cooling Method Minimum Unit	capacity Height	kW % mm mm mm	274.7 11 3.031 5.6	321.4 12 2.952 5.5	1,001 354.4 2.824 5.4	1,043 375 11 2.78 5.5	1 2.8 5.4	3.9 436 31 2.9 4 11,2	5.8 4: Ste 10 03 2. 5.5 2, 2,	77.3 5 pless 847 2 553 238	.785 5.4	14 2.985 6.1	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798	1,8 69 11 2.6 5.7	5.5 10 541
Power input Capacity control EER IPLV	Cooling Method Minimum Unit	Height Width Depth	kW % mm mm mm kg	274.7 11 3.031 5.6 6,151	321.4 12 2.952 5.5 7,	1,001 354.4 2.824 5.4 960 .623	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29	3.9 436 31 2.9 40 11,2 97 8,2	5.8 4: Ste 10 03 2. 5.5 2, 200 60 8,	77.3 5 pless 847 2 553 238 742 9	.785 : 5.4 : 12,28	516.5 14 2.985 6.1 0 10,3	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions  Weight	Method Minimum Unit	Height Width Depth	kW % mm mm mm	274.7 11 3.031 5.6 6,151	321.4 12 2.952 5.5 7,	1,001 354.4 2.824 5.4 960 .623	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29	3.9 436 31 2.9 40 11,2 97 8,2	5.8 4:  Ste  10  03 2.  5.5  2,  200  60 8,  92 9,	77.3 5 pless 847 2 553 238 742 9 11	26.1	516.5 14 2.985 6.1 0 10,3	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798	1,8 69 11 2.6 5.7 13,360 10,805	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions	Method Minimum Unit	Height Width Depth	kW % mm mm mm kg	274.7 11 3.031 5.6 6,151	321.4 12 2.952 5.5 7,	1,001 354.4 2.824 5.4 960 .623	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29	3.9 436 31 2.9 40 11,2 97 8,2	5.8 4:  Ste  10  03 2.  5.5  2,  200  60 8,  92 9,	77.3 5 pless 847 2 553 238 742 9	26.1	516.5 14 2.985 6.1 0 10,3	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions  Weight	Method Minimum Unit	Height Width Depth	kW % mm mm mm kg	274.7 11 3.031 5.6 6,151	321.4 12 2.952 5.5 7,	1,001 354.4 2.824 5.4 960 .623	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29	3.9 436 31 2.9 4 11,2 97 8,2 14 8,9	5.8 4:  Ste  10  03 2.  5.5  2,  200  60 8,  92 9,  Micro	77.3 5 pless 847 2 553 238 742 9 11	26.1 .785 : 5.4 .72,28 ,920   1,136   1	516.5 14 2.985 6.1 0 10,3	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	Method Minimum Unit Unit Unit Operatio Type	Height Width Depth	kW % mm mm mm kg	274.7 11 3.031 5.6 6,151	321.4 12 2.952 5.5 7,	1,001 354.4 2.824 5.4 960 .623	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29	3.9 436 31 2.9 4 11,2 97 8,2 14 8,9	5.8 4:  Ste  10  03 2.  5.5  2,  200  60 8,  92 9,  Micro	77.3 5 pless  847 2 553 238  742 9 489 11 channel	26.1 .785 : 5.4 .72,28 ,920   1,136   1	516.5 14 2.985 6.1 0 10,3	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	Method Minimum Unit Unit Unit Operatio Type Type	Height Width Depth	kW % mm mm mm kg	274.7 11 3.031 5.6 6,151	321.4 12 2.952 5.5 7,	1,001 354.4 2.824 5.4 960 .623	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29	3.9 436 31 2.9 4 11,2 97 8,2 14 8,9	5.8 4:  Ste 10 03 2. 5.5 2, 200 60 8, 92 9, Microcrew co	77.3 5 pless  847 2 553 238  742 9 489 11 channel	26.1	516.5 14 2.985 6.1 0 10,3	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity	Height Width Depth	kW % mm mm mm kg	274.7 11 3.031 5.6 6,151	321.4 12 2.952 5.5 7, 6 7,239	1,001 354.4 2.824 5.4 960 .623	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29	3.9 436 31 2.9 4 11,2 97 8,2 14 8,9	5.8 4:  Ste 10 03 2. 5.5 2, 200 60 8, 92 9, Microcrew co	77.3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6	26.1	516.5 14 2.985 6.1 0 10,3	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity	Height Width Depth	kW % mm mm kg kg	274.7 11 3.031 5.6 6,151 6,546	321.4 12 2.952 5.5 7, 6 7,239	1,001 354.4 2.824 5.4 960 ,623 7,244	1,043 375 11 2.78 5.5	408 1 2.8 5.4 9,04 6 7,29 3 8,00	8.9 436 81 2.9 40 11,2 97 8,2 14 8,9	5.8 4:  Ste 10 03 2. 5.5 2, 200 60 8, 92 9, Microcrew co	77.3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6	26.1	14 2.985 6.1 0 10,3 1,549	1,638 577.2 13 2.838 5.9	1,756 627.5 12 2.798 5.8	1,8 69: 11 2.6 5.7 13,360 10,805 12,076	5.5 10 541 5.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rate	Height Width Depth	kW  %  mm mm mm kg kg	274.7 11 3.031 5.6 6,151 6,546	321.4 12 2.952 5.5 7, 6 7,239	1,001 354.4 2.824 5.4 960 623 7,244	1,04: 375 11 2.78 5.5 6,810 7,518	408 1 2.8 5.4 9,04 6 7,29 3 8,00	8.9 436 81 2.9 40 11,2 97 8,2 14 8,9 56 20 108 127,4	5.8 4.  Ste 10 03 2. 5.5 2, 200 60 8, 92 9, Microcrew co	77.3 5 pless  847 2 553 238  742 9 489 11 channel ompress 2 orropelle	12,28 ,920 1,136 1 1,136 1 1 1,136 1 1 22 140,2	14 2.985 6.1 0 10,3 1,549 13	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805 12,076	5.5 10 641 5.5 12,086
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan  Sound power level	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Airflowrate Cooling	Height Width Depth n weight	kW  %  mm mm kg kg kg  Nom. I/s	274.7 11 3.031 5.6 6,151 6,546	321.4 12 2.952 5.5 7, 6 7,239	1,001 354.4 2.824 5.4 960 .623 7,244 14 0,233 100.2	1,04: 375 11 2.78 5.5 6,810 7,518	408 1 2.8 5.4 9,04 6 7,29 3 8,00 16 101,9 5 10	8.9 436 81 2.9 40 11,2 97 8,2 14 8,9 56 20 908 127,4 1 102	5.8 4.  Ste 10 03 2. 5.5 2, 2,000 600 8, 92 9, Microcrew co	77.3 5 pless 847 2 553 238 742 9 11 channel channel 2 coropelle 94.2 10	12,28 ,920 1,136 1 1,136 1 1,136 1 1,136 1	14 2.985 6.1 0 10,3 1,549 13 103.3	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69: 11 2.6 5.7 13,360 10,805 12,076	5.5 10 641 5.5 12,086
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling	Height Width Depth n weight e Cooling Nom. Nom.	kW  %  mm mm kg kg kg  Nom. I/s dBA dBA	274.7 11 3.031 5.6 6,151 6,546	321.4 12 2.952 5.5 7, 6 7,239	1,001 354.4 2.824 5.4 960 623 7,244	1,04: 375 11 2.78 5.5 6,810 7,518	408 1 2.8 5.4 9,04 6 7,29 3 8,00 16 101,9 5 10	8.9 436 81 2.9 40 11,2 97 8,2 14 8,9 56 20 908 127,4 1 102	5.8 4:  Ste 10 03 2. 5.5 2, 2, 00 60 8, 992 9, Microscrew cc  Direct p 0 467 2.5 10 9 8	77.3 5 pless  847 2 5 5 5 3 2 3 8 7 4 2 9 4 8 9 11 11 11 11 11 11 11 11 11 11 11 11 1	12,28 ,920 1,136 1 1,136 1 1,136 1 1,136 1	14 2.985 6.1 0 10,3 1,549 13	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8	1,8 69 11 2.6 5.7 13,360 10,805 12,076	5.5 10 641 5.5 12,086
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit Operatio Type Type Quantity Type Quantity Airflowrat Cooling Cooling Air side	Height Width Depth n weight e Cooling Nom. Nom. Cooling	kW  %  mm mm kg kg kg  Nom. I/s	274.7 11 3.031 5.6 6,151 6,546	321.4 12 2.952 5.5 7, 6 7,239	1,001 354.4 2.824 5.4 960 .623 7,244 14 0,233 100.2	1,04: 375 11 2.78 5.5 6,810 7,518	408 1 2.8 5.4 9,04 6 7,29 3 8,00 16 101,9 5 10	8.9 436 81 2.9 40 11,2 97 8,2 14 8,9 56 20 908 127,4 1 102	5.8 4:  Ste 10 03 2. 5.5 2, 2, 00 60 8, 92 9, Micro- crew cc  Direct p 0 467 2.5 10 9 8 -20	77.3 5 pless  847 2	12,28 ,920 1,136 1 1,136 1 1,136 1 1,136 1	14 2.985 6.1 0 10,3 1,549 13 103.3	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69: 11 2.6 5.7 13,360 10,805 12,076	5.5 10 641 5.5 12,086
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rat Cooling Cooling Cooling Air side Type/GW	Height Width Depth n weight e Cooling Nom. Nom. Cooling	Nom. I/S dBA dBA Min.~Max. °CDE	274.7 11 3.031 5.6 6,151 6,546 100.2 78.7	321.4 12 2.952 5.5 7, 6 7,239 89 99.6 78	1,001 354.4 2.824 5.4 960 ,623 7,244 14 0,233 100.2 78.7	1,04: 375 11 2.78 5.5 6,810 7,518	408 1 2.8 5.4 9,04 5 7,29 3 8,07 16 101,9 5 100 79.	6.9 436 6.9 436 6.1 2.9 40 11,2 97 8,2 14 8,9 56 20 60 27,7 102 11 79	5.8 4:  Ste 10 03 2. 5.5 2, 2, 000 600 8, 92 9, Microcrew co	77.3 5 pless  847 2  553  238  742 9  489 11  channel properties 2  propelle  11.3 8  1 ~ 42  3 A/630	12,28 ,920 1,136 1 1,50r 22 140,2 05.3 32.5	14 2.985 6.1 0 10,3 1,549	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69. 11 2.6 5.7 13,360 10,805 12,076 24 152,960 105.8 82.7	5.5 10 641 5.5 12,086 106.6 83.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Cooling Type/GW Charge	Height Width Depth Nom. Nom. Cooling P	Nom. I/S dBA Min.~Max. °CDE	274.7 11 3.031 5.6 6,151 6,546 100.2 78.7	321.4 12 2.952 5.5 7, 6 7,239	1,001 354.4 2.824 5.4 960 .623 7,244 14 0,233 100.2	1,04: 375 11 2.78 5.5 6,810 7,518	408 1 2.8 5.4 9,04 5 7,29 3 8,07 16 101,9 5 100 79.	6.9 436 6.9 436 6.1 2.9 40 11,2 97 8,2 14 8,9 56 20 60 27,7 102 11 79	5.8 4:  Ste 10 03 2. 5.5 2, 2, 200 60 8, 92 9, Micro- crew cc  Direct 1 0 467 2.5 10 9 8 -20 R-513 5 11	77.3 5 pless  847 2  553  238  742 9  489 11  channel pmpress 2  propelle  94.2 10  11.3 8  1 ~42  8A/630  90 2	12,28 ,920 1,136 1 1,136 1 1,136 1 1,136 1	14 2.985 6.1 0 10,3 1,549 13 103.3	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69: 11 2.6 5.7 13,360 10,805 12,076	5.5 10 641 5.5 12,086
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Charge Circuits	Height Width Depth Nom. Nom. Cooling P	Nom. I/s dBA Min.~Max. °CDE	274.7 11 3.031 5.6 6,151 6,546 . 100.2 78.7	321.4 12 2.952 5.5 7, 6 7,239 89 99.6 78	1,001 354.4 2.824 5.4 960 ,623 7,244 14 0,233 100.2 78.7	1,04: 1375 11 2.78 5.5 6,816 7,518 100.9 145	408  1 2.8 5.4  9,04 6 7,29 3 8,07  16 101,9 5 10 0 79.	6.9 436 6.9 436 6.1 2.9 40 11,2 97 8,2 14 8,9 56 20 60 27,7 102 11 79	5.8 4:  Ste 10 03 2. 5.5 2, 2, 200 60 8, 92 9, Micro- crew cc  Direct 1 0 467 2.5 10 9 8 -20 R-513 5 11	77.3 5 pless  847 2  553  238  742 9  489 11  channel properties 2  propelle  11.3 8  1 ~ 42  3 A/630	12,28 ,920 1,136 1 1,50r 22 140,2 05.3 32.5	14 2.985 6.1 0 10,3 1,549	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69. 11 2.6 5.7 13,360 10,805 12,076 24 152,960 105.8 82.7	5.5 10 641 5.5 12,086 106.6 83.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit Unit Operatio Type Quantity Airflowrat Cooling Cooling Air side Type/GW Charge Circuits	Height Width Depth n weight  e Cooling Nom. Nom. Cooling P  Quantity or water in	Nom. I/s dBA dBA Min.~Max. °CDE	274.7 11 3.031 5.6 6,151 6,546 100.2 78.7	321.4 12 2.952 5.5 7, 6 7,239 89 99.6 78	1,001 354.4 2.824 5.4 960 ,623 7,244 14 0,233 100.2 78.7	1,04: 1375 11 2.78 5.5 6,816 7,518 100.9 145	408 1 2.8 5.4 9,04 5 7,29 3 8,07 16 101,9 5 100 79.	6.9 436 6.9 436 6.1 2.9 40 11,2 97 8,2 14 8,9 56 20 60 27,7 102 11 79	Ste 10  Ste 10	77.3 5 pless  847 2  553 238  742 9  7489 11 channel compress 2 coropelle	12,28 ,920 1,136 1 1,50r 22 140,2 05.3 32.5	14 2.985 6.1 0 10,3 1,549	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69. 11 2.6 5.7 13,360 10,805 12,076 24 152,960 105.8 82.7	5.5 10 641 5.5 12,086 106.6 83.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Charge Circuits	Height Width Depth n weight  e Cooling Nom. Nom. Cooling P  Quantity or water in	Nom. I/s dBA Min.~Max. °CDE	274.7 11 3.031 5.6 6,151 6,546 100.2 78.7	321.4 12 2.952 5.5 7, 6 7,239 89 99.6 78	1,001 354.4 2.824 5.4 960 ,623 7,244 14 0,233 100.2 78.7	1,04: 1375 11 2.78 5.5 6,816 7,518 100.9 145	408  1 2.8 5.4  9,04 6 7,29 3 8,07  16 101,9 5 10 0 79.	6.9 436 6.9 436 6.1 2.9 40 11,2 97 8,2 14 8,9 56 20 60 27,7 102 11 79	Ste 10 St	777.3 5 pless  847 2  553 238  742 9 4489 11 channel c	12,28 ,920 1,136 1 1,50r 22 140,2 05.3 32.5	14 2.985 6.1 0 10,3 1,549	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69. 11 2.6 5.7 13,360 10,805 12,076 24 152,960 105.8 82.7	5.5 10 641 5.5 12,086 106.6 83.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporat Starting curren	Height Width Depth n weight  Cooling Nom. Nom. Cooling P Quantity or water in	Nom. I/s dBA dBA Min.~Max. °CDE	274.7 11 3.031 5.6 6,151 6,546 100.2 78.7 115	321.4 12 2.952 5.5 7, 6 7,239 89 99.6 78	1,001 354.4 2.824 5.4 960 ,623 7,244 14 0,233 100.2 78.7	1,04: 1375 11 2.78 5.5 6,816 7,518 100.9 145	1 2.8 5.4 9,04 6 7,29 3 8,07 160 101,9 5 100 7 79.	6.9 436 61 2.9 40 11,2 97 8,2 14 8,9 56 20 10 127,6 1 102 1 79	Ste 10 St	77.3 5 pless  847 2  553  238  742 9  4489 11  channel ompress 2 poropelle  14.2 10  14.3 8  14.42  18.4630  19.90 2  2	12,285 1 12,288 2 12,288 2 140,2 2 140,2 2 15.3 122.5	14 2.985 6.1 0 10,3 11,549	1,638 577.2 13 2.838 5.9 23 11,564	1,756 627.5 12 2.798 5.8 12,066	1,8 69. 11 2.6 5.7 13,360 10,805 12,076 24 152,960 105.8 82.7	10.666 83.5
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporat Starting curren	Height Width Depth n weight  Cooling Nom. Nom. Cooling P  Quantity or water int	Nom. I/s dBA dBA Min.~Max. °CDE	274.7 11 3.031 5.6 6,151 6,546 100.2 78.7 115 168.3mm	321.4 12 2.952 5.5 7, 6 7,239 89 99.6 78	1,001 354.4 2.824 5.4 960 .623 7,244 14 2,233 100.2 78.7	1,04: 375 11 2.78 5.5 6,816 7,518	1 2.8 5.4 9,04 5 7,29 3 8,00 160 101,9 5 101,9 5 79. 160 9.1mm	8.9 436 81 2.9 40 11,2 97 8,2 14 8,9 56 2 908 127,4 1 102 1 79	Ste 10  Ste 10	777.3 5 pless  847 2  553  238  742 9  4489 11  channel or propelle  11.3 8  742 3A/630  90 2  0  0  0  0  0  0  0  0  0  0  0  0  0	12,285 :	14 2.985 6.1 0 10,3 11,549	1,638 577.2 13 2.838 5.9 23 11,564 104.1 81.2 230	1,756 627.5 12 2.798 5.8 12,066	1,8 69 11 2.6 5.7 13,360 10,805 12,076 24 152,960 105.8 82.7	10.6.6 83.5 270

## **Inverter screw with GOLD** efficiency. Standard sound.

- > Refrigerant R-513A
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- > New single screw compressor geometry allowing performance
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



CEED				WAS-TZXSD	295	345	380	440	515	525	565	565	610	635	670	705	725	760
SEER	Mana			1.14/	5.2	5.4	5.5	5.2	5.1	5	5.3	4.9	5	5.2	4.9	5.2	5	4.9
Cooling capacity	Nom.			kW	293.5	344.9	377.1	435.9	506.6	524.4		50.5	610.4	626.7	665.8		719.7	749.1
Power input	Cooling			kW	94.89	108.5	124.1	127.6	159.3	155		71.5	187.8	202.4	214.2	220.6	233.6	248.3
Capacity control	Method			0/	22	10	17	20	22	12	_	pless	11	10	10		10	20
FFD	Minimum	capacity		%	22	19	17	28	23	13	22	12	11	19	10	30	10	28
EER					3.093	3.179	3.039	3.416	3.18	3.383	_	268	3.25	3.096	_	3.155	3.081	3.017
IPLV	11. 1				5.8	6.1	5.9	6.3	6.1	6	6.5	5.9	6	6.2	5.8	5.6	5.9	5.5
Dimensions	Unit	Height		mm								,553						
		Width		mm	2.640	4.7	20	5.0				238	7060	6.000	7060	6.000	7060	6 000
147.1.1.1	11.34	Depth		mm	3,640	4,7		5,8		5 240	6,880		7,960	6,880				6,880
Weight	Unit			kg	3,255	3,7		4,5		5,348	.,	5,348	.,	5,136	5,829	-		
A	Operation	1 weignt		kg	3,335	3,868	3,8/3	4,687.1	4,697.1	5,6/3		5,683		5,297.3	6,1/4	5,976.3	6,344	5,986.3
Air heat exchanger												channel						
Compressor	Туре										crew co	ompress						1
F	Quantity						1			2	D:		2	1	2	1	2	1
Fan	Туре							-				propelle		12	14	12	14	10
	Quantity	- II			6	8		10		-70-0	12	1.70.00	14	12	14	12	14	12
C	Air flow rate		Nom.		33,930	45,2		56,5								68,280		
Sound power level		Nom.		dBA	97.5	98.1	102.6	95.7	97.5	_	0.1	100.3	100.6	104.6	100.9	99	102.3	99.8
Sound pressure leve		Nom.		dBA	79.9	81.8	82.8	74.6	75.8	78.9	76.2	80.2	81.2	76.6	83.3	77.8	83.8	78.6
Operation range	Air side	Cooling	Min.~Max.	°CDB								~42						
Refrigerant	Type/GW	Р										3A/630	Т .					
	Charge			kg	40	45	50	60	7	0	75	80		35	90	95	100	105
	Circuits	Quantity					1			2	1		2	1	2	1	2	1
Piping connections			ilet/outlet (OD)			88.9mm		139.7	mm	168.3mm	139.7mm		3mm	139.7mm	168.3mm	n 139.7mm	168.3mm	139.7mm
Unit	Starting curren			A								0			T			
	Running	Cooling	Nom.	Α	198.1	227.3	247	258.3	305.8	334.1	_	331	397.7	377.1	443.2		464.7	
	current	Max		A	224	261	289	314	342	389	404	429	457	452	498	520	535	568
Power supply	Phase/Fre	equency/V	/oltage	Hz/V							3~/5	0 /400						
			E	WAS-TZXSD	805	880	950	C10	H10	0 H1	11 (	C12 F	H12	H13	H14	H15	H16	H17
SEER			_	WAS IZAGE	5.2	5.3		5.2	5.3		5.4			5.5	5.4		5.3	5.1
Cooling capacity	Nom.			kW	794.9	873.2	941.6		_	_					1,442	1,551	1,645	1,734
Power input	Cooling			kW	246.2	266.2									446.3	503.1	562.8	628.6
Capacity control	Method				2.0.2		_ 500.2	3.00		.E   557		pless	2017	.52.11		50511	502.0	020.0
cupacity control	Minimum	canacity		%	10	14	13	12		11		•	10		15	14	13	12
EER	William	capacity		70	3.229	3.28	3.137		3.03		35 3			2.973		3.083	2.923	2.759
					6	6.4	6.2	6.3				6.1	, 6	.575	6.1	6.2	6.1	5.9
IPI V				mm		0.7	0.2	0.5	0.1	- 0.					0.1	0.2	0.1	5.5
IPLV Dimensions	Unit	Height										553						
Dimensions	Unit	Height										,553 238						
	Unit	Width		mm		9.040			0.120		2,	238	13	280		12.2	60	
Dimensions				mm mm	6.904	9,040	160		10,120		2, 11,	238		2,280		13,3		
	Unit	Width Depth		mm mm kg	6,904	7,	160	7	7,642	18 00	2, 11, 8,	238 ,200 ,316	9	9,655	2 016	10,8	05	12 061
Dimensions Weight	Unit Operation	Width Depth		mm mm	6,904 7,495		160 7,771	7	7,642	58 9,0	2, 11, 8, 28 9,	238 ,200 ,316 ,038 9,	,053 10	9,655	2,016		05	12,061
Dimensions  Weight  Air heat exchanger	Unit Operation Type	Width Depth		mm mm kg	_	7,		7	7,642		2, 11, 8, 28 9, Micro	238 ,200 ,316 ,038 9, channel	.053 10	9,655	2,016	10,8	05	12,061
Dimensions Weight	Unit Operation Type Type	Width Depth		mm mm kg	_	7,		7	7,642		2, 11, 8, 28 9, Micro	238 ,200 ,316 ,038 9, channel ompress	.053 10	9,655	12,016	10,8	05	12,061
Dimensions  Weight  Air heat exchanger Compressor	Unit Operation Type Type Quantity	Width Depth		mm mm kg	_	7,		7	7,642	So	2, 11, 8, 128 9, Micro-	238 ,200 ,316 ,038 9, channel ompress 2	053 10 or	9,655	12,016	10,8	05	12,061
Dimensions  Weight  Air heat exchanger	Unit Operation Type Type Quantity Type	Width Depth		mm mm kg	_	7,761		7	7,642 8 8,26	So	2, 11, 8, 028 9, Micro- crew co	238 ,200 ,316 ,038 9, channel ompress 2 propelle	9.053 10 or	0,655 0,856 1	12,016	10,8 12,031	12,046	12,061
Dimensions  Weight  Air heat exchanger Compressor	Unit Operation Type Type Quantity Type Quantity Output Type Quantity	Width Depth n weight	Nom	mm mm kg kg	_	7,761	7,771	8,258	7,642 8 8,26	So	2, 11, 8, 028 9, Micro- crew co	238 ,200 ,316 038 9, channel ompress 2 propelle 20	9.053 10 or	0,655 0,856 1	12,016	10,8	12,046 14	12,061
Dimensions  Weight  Air heat exchanger Compressor  Fan	Unit Operation Type Type Quantity Type Quantity Air flow rate	Width Depth n weight	Nom.	mm kg kg	7,495	7,761 7,761 16 90,480	7,771	8,258	7,642 8 8,26 18 01,772	So	2, 11, 8, 128 9, Micro- crew co	238 ,200 ,316 038 9, channel ompress 2 propelle 20 8,080	9.053 10 or er	22 4,388		10,8 12,031 24 135,6	12,046 14 596	
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling	Width Depth n weight e Cooling Nom.	Nom.	mm kg kg l/s	7,495	16 90,480 98.4	7,771	8,258 8,258	7,642 8 8,26 18 01,772 102.	.3 102	2, 11, 8, 9, Micro- crew cc Direct J 113 2.9	238 ,200 ,316 ,338 ,9, channel pmpress 2 propelle 20 ,080	9.053 10 or er 12.	22 4,388 106.1	102	10,8 12,031 24 135,6 102.8	12,046 12,046 4 596 103.7	104.5
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling	Width Depth  n weight  c Cooling Nom. Nom.		mm kg kg l/s dBA dBA	7,495	7,761 7,761 16 90,480	7,771	8,258	7,642 8 8,26 18 01,772 102.	.3 102	2, 11, 8, 9, Micro- crew cc Direct J 113 12.9 10	238 ,200 ,316 ,038 9, channel ompress 2 propelle 20 ,080 ,05.2 10	9.053 10 or er 12.	22 4,388 106.1		10,8 12,031 24 135,6	12,046 14 596	
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Unit Operation Type Type Quantity Type Quantity Airflowrate Cooling I Cooling Air side	Width Depth  n weight  e Cooling Nom. Nom. Cooling	Nom. Min.~Max.	mm kg kg l/s	7,495	16 90,480 98.4	7,771	8,258 8,258	7,642 8 8,26 18 01,772 102.	.3 102	2, 11, 8, 9, Micro- crew co Direct J 113 2.9 10 6, 7	238 ,200 ,316 ,038 9, channel ompress 2 propelle 20 ,080 ,05.2 10 77.9 :	9.053 10 or er 12.	22 4,388 106.1	102	10,8 12,031 24 135,6 102.8	12,046 12,046 4 596 103.7	104.5
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW	Width Depth  n weight  e Cooling Nom. Nom. Cooling		mm kg kg l/s dBA dBA cDB	7,495 104.6 83.9	7,761 7,761 16 90,480 98.4 76.1	7,771	10 10 101 76.8	18 01,772 102. 3 77.5	.3 102 5 77.	2, 11, 8, 228 9, Micro- crew cc Direct J 113 2.9 10 6 7 -20 R-513	238 ,200 ,316 ,038 9, channel ompress 2 propelle 20 ,080 05.2 10 77.9 2 0 ~42 8A/630	9 053 10 or er 12 07.5 1	22 4,388 106.1 79.1	102 78.9	10,8 12,031 24 135,6 102.8 79.7	12,046 12,046 4 596 103.7 80.5	104.5
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range	Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Width Depth  n weight  e Cooling Nom. Nom. Cooling	Min.~Max.	mm kg kg l/s dBA dBA	7,495	16 90,480 98.4	7,771	8,258 8,258	18 01,772 102. 3 77.5	.3 102 5 77.	2, 11, 8, 228 9, Micro- crew co Direct J 113 2.9 10 6 7 -20 R-513	238 ,200 ,316 ,316 ,318 ,9, channel ompress 2 propelle 20 ,080 ,05.2 ,107.9 ,0 ~42 ,3A/630 ,165 ,1	9 053 10 or er 12 07.5 1	22 4,388 106.1 79.1	102	10,8 12,031 24 135,6 102.8	12,046 12,046 4 596 103.7	104.5
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits	Width Depth  n weight  e Cooling Nom. Nom. Cooling P	Min.~Max.	mm kg kg l/s dBA dBA cDB	7,495 104.6 83.9	7,761 7,761 16 90,480 98.4 76.1	7,771	101 76.8	18 01,772 102. 3 77.5	.3 102 5 77.	2, 11, 8, 228 9, Micro- crew co Direct J 113 2.9 10 6 7 -20 R-513	238 ,200 ,316 ,038 9, channel ompress 2 propelle 20 ,080 05.2 10 77.9 2 0 ~42 8A/630	9 053 10 or er 12 07.5 1	22 4,388 106.1 79.1	102 78.9	10,8 12,031 24 135,6 102.8 79.7	12,046 12,046 4 596 103.7 80.5	104.5
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits	Width Depth  n weight  e Cooling Nom. Nom. Cooling P  Quantity or water in	Min.~Max.	mm kg kg l/s dBA dBA °CDB	7,495 104.6 83.9	7,761 7,761 16 90,480 98.4 76.1	7,771	101 76.8	18 01,772 102. 3 77.5	.3 102 5 77.	2, 11, 8, 228 9, Micro- crew cc Direct J 113 2.9 10 2.6 7 -20 R-513	238 ,200 ,316 ,318     9, channel pompress 2 propelle 20 ,080 ,05.2     10 ,7.9     2 0 ~42 8A/630 65     1 2	9 053 10 or er 12 07.5 1	22 4,388 106.1 79.1	102 78.9	10,8 12,031 24 135,6 102.8 79.7	12,046 12,046 4 596 103.7 80.5	104.5
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Unit Operation Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits Evaporate Starting curren	Width Depth  n weight  c Cooling Nom. Nom. Cooling P  Quantity or water int	Min.~Max.	mm kg kg kg  I/s dBA dBA cCDB	7,495 104.6 83.9	7; 7,761 16 90,480 98.4 76.1	7,771 100.3 76.5	101 76.8 135	18 01,772 102. 3 77.5 145	.3 10225 5 77.	2, 11, 8, 128 9, Micro- crew co Direct J 113 2.9 10 7.6 7 -20 R-513	238 ,200 ,316 ,318 9, channel pempress 2 propelle 20 ,080 ,05.2 10 ,77.9 : 0 ~42 ,3A/630 ,665 1 2	9053 100 For 1207.5 1178	22 4,388 106.1 79.1	102 78.9	10,8 12,031 24 135,6 102.8 79.7 215 273mm	12,046 12,046 14 596 103.7 80.5	104.5 81.4
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate Starting curren Running	width Depth  e Cooling Nom. Nom. Cooling P  Quantity or water int t Max Cooling	Min.~Max.	mm kg kg l/s dBA dBA °CDB	104.6 83.9 110	7; 7,761 16 90,480 98.4 76.1	7,771	101 76.8 135 21: 592.9	7,642 8 8,26 18 01,772 102. 8 77.5 145 9.1mm	.3 10225 5 77.5 5 15	2, 11, 8, 128 9, Microocrew cc  Direct 1 113 2.9 10 7.6 7 -20 R-513 55 1	238 ,200 ,316 038   9, channel ompress 2 propelle 20 3,080 05.2   10 77.9   10 0 ~42 3A/630 0 ~42 0	9053 100 oor 120 1207.5 1 178 1	22 4,388 106.1 79.1	102 78.9 200 2814.6	10,8 12,031 24 135,6 102.8 79.7 215 273mm 898.5	4 4 596 103.7 80.5 230	104.5 81.4 245
Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW Charge Circuits Evaporate Starting curren Running current	Width Depth  n weight  c Cooling Nom. Nom. Cooling P  Quantity or water int	Min.~Max.  / nlet/outlet (OD)  Nom.	mm kg kg kg  I/s dBA dBA cCDB	7,495 104.6 83.9	7; 7,761 16 90,480 98.4 76.1	7,771 100.3 76.5	101 76.8 135	7,642 8 8,26 18 01,772 102. 8 77.5 145 9.1mm	.3 10225 5 77.5 5 15	2, 11, 8, 11, 8, Micro- crew cc  Direct   113 2.9   10 7.6   7 -20 R-513 55   1	238 ,200 ,316 038   9, channel ompress 2 propelle 20 3,080 05.2   10 77.9   10 0 ~42 3A/630 0 ~42 0	9053 100 oor 120 1207.5 1 178 1	22 4,388 106.1 79.1	102 78.9	10,8 12,031 24 135,6 102.8 79.7 215 273mm	12,046 12,046 14 596 103.7 80.5	104.5 81.4

# Inverter screw with GOLD efficiency. Reduced sound.

- > Refrigerant R-513A
- New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			EV	WAS-TZXRD	295	345	380	440	515	525	565	565	610	635	670	705	725	760
Capacity control	Method										Step	less						
, ,	Minimum	capacity		%	22	19	17	28	23	13	22	12	11	19	10	30	10	28
Dimensions	Unit	Height		mm							2,5	53						
		Width		mm							2,2	38						
		Depth		mm	3,640	4.7	20	5.8	00		6.880		7.960	6,880	7,960	6,880	7.960	6.880
Weight	Unit			kg	3,375	3,8		4,6		5,468	5,256	5.468	5,949	5,256	5,949	5,925	6.066	.,
	Operatio	n weiaht		ka		-,-		4,807.1		.,		-		5,417.3	-	6.096.3	6,464	- /
Air heat exchanger					.,		,	,	,		Microc		.,	,	,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,
Compressor	Type									So	rew cor	mpresso	or					
•	Quantity						1			2	1	. 2		1	2	1	2	1
Fan	Туре										Direct p	ropellei	,					
	Quantity				6	8	3	10	)		12	•	14	12	14	12	14	12
		e Cooling	Nom.	I/s	28,330	37,7		47,2			56,660		66.098	56.660	66.098	56.660	66,098	56.660
Sound power level		Nom.		dBA	87.5	88.3	91.5	87.6	88.4	90		90.3	90.8	93.4	91	89.6	91.9	90.1
Sound pressure level		Nom.		dBA	67.7	68.1	71.2	66.9	67.7	6		69		72.3	69.4	68.4	70.3	68.9
Operation range	Air side	Cooling	Min.~Max.	°CDB							-20		<u></u>	1 = 10				
Refrigerant	Type/GW										R-134a							
egeran.e	Charge	•		kg	40	45	50	60	7	0	75	80	8	5	90	95	100	105
	Circuits	Quantity	,	9			1		-	2	1	2		1	2	1	2	1
Piping connections					,	38.9mm		139.7	mm	168.3mm	139.7mm	168.3		139.7mm	168.3mm	139.7mm	168.3mm	139.7mm
Unit	Starting currer			Α						10015111111	C			10010111111	10015111111	1351711111	10013111111	1571111111
	Running currer			A	224	261	289	314	342	389	404	429	457	452	498	520	535	568
Power supply		equency/\	/oltage	Hz/V		20.	207	5	J	307	3~/50			.52	.,,	520	333	300
· o ii ci suppi,		equeiley/					_		_									
			E\	WAS-TZXRD	805	880	950	C10	H10	) H1			12   F	113	H14	H15	H16	H17
Capacity control	Method										Step							
		capacity		%	10	14	13	12		11			0		15	14	13	12
Dimensions	Unit	Height		mm							2,5							
		Width		mm							2,2							
		Depth		mm		9,040			0,120		11,2			,280		13,36		
Weight	Unit			kg	7,024		280		7,762		8,4			,775		10,9		
	Operatio	n weight		kg	7,615	7,881	7,891	8,378	8,38	8 9,14	18 9,1	58   9,	173   10	,976 1	2,136	12,151	12,166	12,181
Air heat exchanger	Type				,	,												
					,	, , ,					Microcl							
Compressor	Туре									So	rew cor	mpresso	or					
	Quantity										rew cor 2	mpresso						
Compressor Fan	Quantity Type										rew cor 2 Direct p	mpresso ! ropelle:	,					
	Quantity Type Quantity					16			18		rew cor 2 Direct p	mpresso ? ropelle: 0	•	22		24		
Fan	Quantity Type Quantity Air flow rate	e Cooling	Nom.	I/s		16 75,540			4,983	[	orew cor 2 Direct p 20 94,4	mpresso 2 ropelle 0 425	r 10	3,868		113,3	20	
Fan Sound power level	Quantity Type Quantity Air flow rate Cooling	Nom.	Nom.	dBA	93.7	16 75,540 89.9	90.9	91.5	4,983 92	3 92	20 Direct p 20 94,4 8 94	mpresso 2 ropellei 0 425	10 5.3	3,868 95.2	92.6	113,3 93.1	93.6	94.2
Fan  Sound power level Sound pressure level	Quantity Type Quantity Air flow rate Cooling Cooling	Nom.		dBA dBA		16 75,540			4,983 92.	3 92	20irect p 20 94,4 8 94 3 71	mpresso 2 ropeller 0 425 4.4 96 .9 73	10 5.3	3,868 95.2	92.6 69.5	113,3	20	94.2 71.1
Fan  Sound power level Sound pressure level Operation range	Quantity Type Quantity Air flow rat Cooling Cooling Air side	Nom. Nom. Cooling		dBA	93.7	16 75,540 89.9	90.9	91.5	4,983 92	3 92	20irect pr 20irect pr 94,4 8 94 3 71 -20	mpresso 2 ropeller 0 425 .4 90 .9 73 ~42	10 5.3	3,868 95.2		113,3 93.1	93.6	
Fan Sound power level Sound pressure level	Quantity Type Quantity Airflowrat Cooling Cooling Air side Type/GW	Nom. Nom. Cooling		dBA dBA °CDB	93.7	16 75,540 89.9 68	90.9	91.5 69.3	4,983 92 70	3 92 70	20irect p 94,4 8 94 3 71 -20	mpresso 2 ropeller 0 425 .4 96 .9 73 ~42 a/630	5.3 9 3.7 7	3,868 95.2 72.4	69.5	113,3 93.1 70	93.6 70.5	71.1
Fan  Sound power level Sound pressure level Operation range	Quantity Type Quantity Airflowrat Cooling Cooling Air side Type/GW Charge	Nom. Nom. Cooling	Min.~Max.	dBA dBA	93.7	16 75,540 89.9	90.9	91.5	4,983 92	3 92 70	20irect pr 20irect pr 94,4 8 94,3 71 -20 R-134	mpressor 2 ropeller 0 425 44 96 -49 73 ~42 a/630 55 18	5.3 9 3.7 7	3,868 95.2 72.4		113,3 93.1	93.6	
Fan  Sound power level Sound pressure level Operation range Refrigerant	Quantity Type Quantity Airflow rat Cooling Cooling Air side Type/GW Charge Circuits	Nom. Nom. Cooling P	Min.~Max.	dBA dBA °CDB	93.7	16 75,540 89.9 68	90.9	91.5 69.3	4,983 92 70	3 92 70	20irect p 94,4 8 94 3 71 -20	mpressor 2 ropeller 0 425 44 96 -49 73 ~42 a/630 55 18	5.3 9 3.7 7	3,868 95.2 72.4	200	113,3 93.1 70 215	93.6 70.5	71.1
Fan  Sound power level Sound pressure level Operation range	Quantity Type Quantity Airflow rat Cooling Cooling Air side Type/GW Charge Circuits	Nom. Nom. Cooling P	Min.~Max.	dBA dBA °CDB	93.7	16 75,540 89.9 68	90.9	91.5 69.3	4,983 92 70	3 92 70	20 rew core wcc.	mpresso 2 ropeller 0 425 .4 96 .9 7: ~42 a/630 55 18	5.3 9 3.7 7	3,868 95.2 72.4	200	113,3 93.1 70	93.6 70.5	71.1
Fan  Sound power level Sound pressure level Operation range Refrigerant	Quantity Type Quantity Airflow rat Cooling Cooling Air side Type/GW Charge Circuits	Nom. Nom. Cooling P Quantity or water ir	Min.~Max.	dBA dBA °CDB kg	93.7 71.8	16 75,540 89.9 68	90.9	91.5 69.3	4,983 92 70	3 92 70	20 Page 16 Pag	mpresson 2 ropeller 0 425 .4 96 .9 73 ~42 a/630 .55 18	5.3 9 3.7 7	3,868 95.2 72.4	200	113,3 93.1 70 215	93.6 70.5	71.1
Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Quantity Type Quantity Airflow rat Cooling Cooling Air side Type/GW Charge Circuits Evaporat	Nom. Nom. Cooling P Quantity or water ir t Max	Min.~Max.	dBA dBA °CDB	93.7	16 75,540 89.9 68	90.9	91.5 69.3	4,983 92 70	3 92 70.	20 Page 18 Pag	mpressor 2 ropeller 0 425 .4 96 .9 73 ~42 a/630 55 18	10 55.3 S 33.7 7	3,868 95.2 72.4	200	113,3 93.1 70 215	93.6 70.5	71.1

# Inverter screw with PLATINUM efficiency. Standard sound.

- > Refrigerant R-513A
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



CEED			EWAS-TZPSD	285	330	370	405	450	490	530	575	615	675	735
SEER			1347	5.9	6	5.9	6.3	6.		6		.9		.8
Cooling capacity	Nom.		kW	287.6	333.2	370.2	405.1	450.1	488.4	531.7	573.6	620.2	677.1	732.9
Power input	Cooling	Nom.	kW	81.89	96.83	111.6	110.6	123.5	137.5	150.8	167.7	180.9	205.7	223.4
Capacity control	Method								Stepless					
	Minimum	capacity	%	23	20	18	30	28	25	13	12	11	1	0
EER				3.512	3.441	3.317	3.663	3.645	3.552	3.526	3.42	3.428	3.292	3.281
IPLV				6	.5	6.4	7	7.3	7.2	6.4	6	.3	6.1	6.2
Dimensions	Unit	Height	mm						2,553					
		Width	mm						2,238					
		Depth	mm	4,720	5,8	300		6,880	,	7.9	960		9,040	
Weight	Unit	p	kg	3,775		256	5,050	5,1	36		329	6	311	6,427
Weight	Operatio	n weight	kg	3,863	4,349	4,354	5,163.1	5,272.3		6,159	6,164	6,651	6,661	6,825
Air heat exchanger		ii weight	, ing	3,003	1,515	1,551	3,103.1		icrochann		0,101	0,031	0,001	0,023
Compressor	Туре								w compre					
Compressor							1	SCIE	w compre	:5501		2		
Г	Quantity						!	D:-						
Fan	Туре			_					ect prope					
	Quantity			8		0		12			4		16	
	Air flow rate		I/s	45,240		540		67,848			,170		90,480	1 .
Sound power level		Nom.	dBA	97.5	98.1	100.4	94.7	96	97.7	100.2	100.4	100.7	101	102.3
Sound pressure leve	l Cooling	Nom.	dBA	78.2	81	81.9	74.2	74.5	74.9	78.6	79.9	80.9	83	83.4
Operation range	Air side	Cooling Min.~Ma	c. °CDB						-20 ~42					
Refrigerant	Type/GW	P						F	R-513A/630	)				
-	Charge		kg	40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity					1					2		
Piping connections		or water inlet/outlet (	OD)		88.9mm			139.7mm				168.3mm		
Unit	Starting curren		Α		0012111111			15517111111	0					
Offic		Cooling Nom.	A	181.1	212.7	238.2	242	258.8	280	332	361.5	391.2	434	459.1
	current	Max	A	220	258	285	293	352	404	399	429	468	508	535
Dawaraunnlu		equency/Voltage	Hz/V	220	230	263	293		3~/50 /400		423	400	308	333
Power supply	Phase/Fre	equency/ voitage	HZ/ V						5~/50 /40C	)				
			EWAS-TZPSD	810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
SEER				6.1	6.3	6.1	6.2	6		6	6.1	6	5.9	5.7
Cooling capacity	Nom.		kW	810	884.2	954	1,001	1,067	1,110	1,197	1,288	1,363	1,443	1,552
Power input	Cooling	Nom.	kW	238.8	256.7	288.7	298.9	331.9	343.6	434.6	410.7	433.6	435.6	492.1
Capacity control	Method	NOITI.	KVV	230.0	250.7	200.7	270.7	331.7	Stepless	757.0	410.7	733.0	733.0	772.1
Capacity Control	Minimum	canacity	%	10	14	13	12	1			10		15	14
EER	Millimi	гсарасну	70	3.392	3.444	3.304	3.349	3.215	3.231	2.754	3.136	3.143	3.313	3.154
														_
IPLV				6.5	6.8	6	5.6	6.3	6.5	6.4	6.3	6.4	6.3	6.4
Dimensions	Unit	Height	mm						2,553					
		Width	mm						2,238					
		Depth	mm		10,120			200		12,280			13,360	
Weight	Unit		kg	7,385	7,6	42	8,	123	8,7	98	9,655	10,136	10,	805
	Operatio	n weight	kg	7,976	8,243	8,253	8,744	8,754	9,515	9,520	10,846	11,337	12,021	12,036
								M	icrochann	el				
Air heat exchanger														
	Туре							Scre	w compre	:5501				
	Type Type							Scre	w compre 2	:5501				
Compressor	Type Type Quantity								2					
Compressor	Type Type Quantity Type				1Ω		-	Dire		ller			24	
Air heat exchanger Compressor Fan	Type Type Quantity Type Quantity		1/2		18			Dire	2	ller 22			24	
Compressor	Type Type Quantity Type Quantity Air flow rate	e Cooling Nom.	1/5	10.4.5	101,772	100.4	113,	Dir 0 080	2 ect prope	ller 22 140,200	107.5	106.2	152,945	102.0
Compressor Fan Sound power level	Type Type Quantity Type Quantity Air flow rate Cooling	e Cooling Nom. Nom.	dBA	104.6	101,772 98.6	100.4	113, 101.1	Dire 0 080 102.4	2 ect prope	ller 22 140,200 105.2	107.5	106.2	152,945 102	_
Compressor  Fan  Sound power level Sound pressure leve	Type Type Quantity Type Quantity Airflowrate Cooling Cooling	e Cooling Nom. Nom. Nom.	dBA dBA	104.6 83.6	101,772	100.4 76.3	113,	Dir 0 080	2 ect prope 103 77.4	ller 22 140,200	107.5 77.9		152,945	102.8 79.7
Compressor  Fan  Sound power level Sound pressure leve Operation range	Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	e Cooling Nom. Nom. Nom. Cooling Min.~Ma.	dBA dBA		101,772 98.6		113, 101.1	Dire 0 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42	22 140,200 105.2 77.7			152,945 102	_
Compressor  Fan  Sound power level  Sound pressure leve  Operation range	Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW	e Cooling Nom. Nom. Nom. Cooling Min.~Ma.	dBA dBA k. °CDB	83.6	101,772 98.6 75.9	76.3	113, 101.1 76.6	Dire 00 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42 R-513A/630	ller 22 140,200 105.2 77.7	77.9	78	152,945 102 3.9	79.7
Compressor  Fan  Sound power level Sound pressure leve Operation range	Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	e Cooling Nom. Nom. Nom. Cooling Min.~Ma.	dBA dBA		101,772 98.6		113, 101.1	Dire 0 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42	22 140,200 105.2 77.7			152,945 102	
Compressor  Fan  Sound power level Sound pressure leve Operation range	Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	e Cooling Nom. Nom. Nom. Cooling Min.~Ma.	dBA dBA k. °CDB	83.6	101,772 98.6 75.9	76.3	113, 101.1 76.6	Dire 00 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42 R-513A/630	ller 22 140,200 105.2 77.7	77.9	78	152,945 102 3.9	79.7
Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits	e Cooling Nom. Nom. Nom. Cooling Min.~Ma	dBA dBA k. °CDB	83.6	101,772 98.6 75.9	76.3	113, 101.1 76.6	Dire 00 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42 R-513A/630 160	ller 22 140,200 105.2 77.7	77.9	190	152,945 102 3.9	79.7
Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Type Type Quantity Type Quantity Air flow rate Cooling Air side Type/GW Charge Circuits Evaporate	e Cooling Nom.  Nom.  Cooling Min.~Ma  P  Quantity or water inlet/outlet (	dBA dBA k. °CDB kg	83.6	101,772 98.6 75.9	76.3	113, 101.1 76.6	Dire 00 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42 8-513A/630 160 2	ller 22 140,200 105.2 77.7	77.9	190	152,945 102 3.9 205	79.7
Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	Type Type Quantity Type Quantity Airflowrate Cooling Cooling Air side Charge Circuits Evaporat Starting curren	e Cooling Nom. Nom. Nom. Cooling Min.~Mar P  Quantity or water inlet/outlet (	dBA dBA k. °CDB kg	83.6	101,772 98.6 75.9	76.3	113, 101.1 76.6 140 219.1mm	Dire 00 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42 R-513A/630 160 2	1140,200 105.2 77.7	77.9	190 273	152,945 102 3.9 205	79.7
Compressor  Fan  Sound power level Sound pressure leve Operation range Refrigerant	Type Type Quantity Type Quantity Airflowrate Cooling Cooling Air side Charge Circuits Evaporat Starting curren	e Cooling Nom.  Nom.  Cooling Min.~Ma  P  Quantity or water inlet/outlet (	dBA dBA k. °CDB kg	83.6	101,772 98.6 75.9	76.3	113, 101.1 76.6	Dire 00 080 102.4 77.3	2 ect prope 103 77.4 -20 ~42 8-513A/630 160 2	ller 22 140,200 105.2 77.7	77.9	190	152,945 102 3.9 205	

# Inverter screw with PLATINUM efficiency. Reduced sound.

- > Refrigerant R-513A
- > New generation of air-cooled inverter series with extension of capacity range: Nominal capacity up to 1,850 kW
- New single screw compressor geometry allowing performance optimization
- > Refrigerant cooled inverter mounted on compressor all across the range
- > Premium energy efficiency both at full and part load conditions
- > Best capacity with smallest footprint
- > Microchannel coils
- > Unique fully integrated active harmonic filtration solution
- > Performance monitoring
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions



			E	WAS-TZPRD	285	330	370	405	450	490	530	575	615	675	735
Capacity control	Method									Stepless					
	Minimum			%	23	20	18	30	28	25	13	12	11	10	0
Dimensions	Unit	Height		mm						2,553					
		Width		mm						2,238					
		Depth		mm	4,720	5,8	800		6,880			60		9,040	
Weight	Unit			kg	3,895	4,3	376	5,170	5,2	56	5,9	949	6,4	431	6,547
	Operatio	n weight		kg	3,983	4,469	4,474	5,283.1	5,392.3		6,279	6,284	6,771	6,781	6,945
Air heat exchanger	Type								Mi	icrochann	el				
Compressor	Type								Scre	w compre	ssor				
	Quantity							1					2		
Fan	Type								Dire	ect prope	ller				
	Quantity				8	1	0		12		1	4		16	
	Air flow rate	Cooling	Nom.	l/s	37,770	47,	213		56,660		66,	098		75,540	
Sound power level	Cooling	Nom.		dBA	88	88.7	90.1	87.8	88.2	88.9	90.6	90.7	91.1	91.3	92.1
Sound pressure level	Cooling	Nom.		dBA	67.7	68	69.4	66.6	67	67.8	69	69.1	69.2	69.4	70.2
Operation range	Air side	Cooling	Min.~Max.	°CDB						-20 ~42					
Refrigerant	Type/GW	Р							F	R-134a/630	)				
	Charge			kg	40	45	50	55	60	65	75	80	85	95	100
	Circuits	Quantity	,					1					2		
Piping connections	Evaporat	or water ir	nlet/outlet (OD)			88.9mm			139.7mm				168.3mm		
Unit	Starting curren	t Max		Α						0					
	Running curren	t Max		Α	220	258	285	293	352	404	399	429	468	508	535
Power supply	Phase/Fre	equency/\	/oltage	Hz/V			,		3	3~/50 /400	)				
				WAS-TZPRD	810	890	960	C10	H10	H11	C12	H12	H13	H14	H15
Capacity control	Method			WAS-IZPKD	010	090	900	CIU	пі	Stepless	CIZ	пі	піз	П14	піэ
Capacity Control	Minimum	canacitu		%	10	14	13	12	1			10		15	14
Dimensions	Unit	Height		mm	10	14	13	12		2,553		10		15	14
Difficusions	Unit	Width		mm						2,333					
										2,230				13,360	
						10.120		11 *	200		12 200			13,300	225
Waight	l lni+	Depth		mm	7505	10,120	160		200	0.0	12,280	0.775	10.256	10.0	923
Weight	Unit	Depth		mm kg	7,505	7,7		8,2	243	8,9	18	9,775	10,256	10,9	12.150
	Operatio	Depth		mm	7,505 8,096		8,373		243 8,874	9,635	9,640	9,775 10,966	10,256 11,457	10,9 12,141	12,156
Air heat exchanger	Operatio Type	Depth		mm kg		7,7		8,2	243 8,874 M	9,635 icrochann	9,640 el	., .	-		12,156
Air heat exchanger	Operatio Type Type	Depth		mm kg		7,7		8,2	243 8,874 M	9,635 icrochann w compre	9,640 el	., .	-		12,156
Air heat exchanger Compressor	Operatio Type Type Quantity	Depth		mm kg		7,7		8,2	243 8,874 Mi Scre	9,635 icrochann w compre 2	9,640 el essor	., .	-		12,156
Air heat exchanger Compressor	Operatio Type Type Quantity Type	Depth		mm kg		7,7 8,363		8,2 8,864	243 8,874 Mi Scre	9,635 icrochann w compre	9,640 el essor	., .	-	12,141	12,156
Air heat exchanger Compressor	Operatio Type Type Quantity Type Quantity	Depth n weight		mm kg kg		7,7 8,363		8,2 8,864	243   8,874   Mi   Scre   Dire	9,635 icrochann w compre 2	9,640 eel essor ller 22	., .	-	12,141	12,156
Air heat exchanger Compressor Fan	Operatio Type Type Quantity Type Quantity Air flow rate	Depth n weight	Nom.	mm kg kg	8,096	7,7 8,363 18 84,983	8,373	8,3 8,864	243 8,874 Mi Scre Dire 20 425	9,635 icrochann w compre 2 ect prope	9,640 el essor ller 22 103,868	10,966	11,457	12,141 24 113,320	
Air heat exchanger Compressor Fan Sound power level	Operatio Type Type Quantity Type Quantity Air flow rate Cooling	Depth n weight e Cooling Nom.	Nom.	mm kg kg I/s dBA	93.9	7,7 8,363 18 84,983 90.3	91.2	8,3 8,864 2 94, 91.8	243 8,874 Mi Scree Dire 00 425 92.5	9,635 icrochann w compre 2 ect prope	9,640 eel essor ller 22 103,868 94.5	96.4	95.4	24 113,320 92.6	93.1
Air heat exchanger Compressor Fan Sound power level Sound pressure level	Operatio Type Type Quantity Type Quantity Air flow rate Cooling Cooling	Depth n weight e Cooling Nom. Nom.		mm kg kg I/s dBA dBA	8,096	7,7 8,363 18 84,983	8,373	8,3 8,864	243 8,874 Mi Scre Dire 20 425	9,635 icrochann w compre 2 ect prope 93 70.2	9,640 el essor ller 22 103,868	10,966	11,457	12,141 24 113,320	
Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	Depth n weight e Cooling Nom. Nom. Cooling		mm kg kg I/s dBA	93.9	7,7 8,363 18 84,983 90.3	91.2	8,3 8,864 2 94, 91.8	243 8,874 Mi Scree Dire 20 425 92.5 69.9	9,635 icrochann w compre 2 ect prope 93 70.2 -20~42	9,640 el esssor ller 22 103,868 94.5 71.7	96.4	95.4	24 113,320 92.6	93.1
Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW	Depth n weight e Cooling Nom. Nom. Cooling		mm kg kg I/s dBA dBA °CDB	93.9 71.6	7,7 8,363 18 84,983 90.3 68.1	91.2 68.9	2 94, 91.8 69.2	243 8,874 Mi Screi Dire 20 425 92.5 69.9	9,635 icrochann w compre 2 ect prope 93 70.2 -20 ~42 R-134a/630	9,640 el el esssor Iller 22 103,868 94.5 71.7	96.4 73.5	95.4 72.2	24 113,320 92.6 69.5	93.1
Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range	Operatio Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge	Depth n weight e Cooling Nom. Nom. Cooling	Min.~Max.	mm kg kg I/s dBA dBA	93.9	7,7 8,363 18 84,983 90.3	91.2	8,3 8,864 2 94, 91.8	243 8,874 Mi Scree Dire 20 425 92.5 69.9	9,635 icrochann w compre 2 ect prope 93 70.2 -20 ~42 R-134a/630 160	9,640 el esssor ller 22 103,868 94.5 71.7	96.4	95.4	24 113,320 92.6	93.1
Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Operatio Type Type Quantity Type Quantity Airflowrate Cooling Cooling Air side Type/GW Charge Circuits	Depth n weight e Cooling Nom. Nom. Cooling P	Min.~Max.	mm kg kg I/s dBA dBA °CDB	93.9 71.6	7,7 8,363 18 84,983 90.3 68.1	91.2 68.9	8,2 8,864 2 94, 91.8 69.2	243 8,874 Mi Screi Dire 20 425 92.5 69.9	9,635 icrochann w compre 2 ect prope 93 70.2 -20 ~42 R-134a/630	9,640 el el esssor Iller 22 103,868 94.5 71.7	96.4 73.5	95.4 72.2	24 113,320 92.6 69.5	93.1
Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Operatio Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate	Depth  e Cooling  Nom.  Nom.  Cooling  P  Quantity or water in	Min.~Max.	mm kg kg I/s dBA dBA °CDB	93.9 71.6	7,7 8,363 18 84,983 90.3 68.1	91.2 68.9	2 94, 91.8 69.2	243 8,874 Mi Screi Dire 20 425 92.5 69.9	9,635 icrochann w compre 2 ect prope 93 70.2 -20 ~42 R-134a/630 160 2	9,640 el el esssor Iller 22 103,868 94.5 71.7	96.4 73.5	95.4 72.2	24 113,320 92.6 69.5	93.1
Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Operatio Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporat Starting curren	e Cooling Nom. Cooling P Quantity or water int	Min.~Max.	mm kg kg I/s dBA dBA °CDB	93.9 71.6	7,7 8,363 18 84,983 90.3 68.1	91.2 68.9	8,864 8,864 2 94, 91.8 69.2 140	243 8,874 Mi Scre  Dire  0 425 92.5 69.9	9,635 icrochann w compre 2 ect prope 93 70.2 -20 ~42 R-134a/630 160 2	9,640 eel esssor lller 22 103,868 94.5 71.7	96.4 73.5	95.4 72.2 190 273	24 113,320 92.6 69.5	93.1 70 220
Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections Unit	Operatio Type Type Quantity Type Quantity Air flow rate Cooling Air side Type/GW Charge Circuits Evaporate Starting curren Running curren	e Cooling Nom. Cooling P Quantity or water int	Min.~Max.  / nlet/outlet (OD)	mm kg kg I/s dBA dBA °CDB	93.9 71.6	7,7 8,363 18 84,983 90.3 68.1	91.2 68.9	8,2 8,864 2 94, 91.8 69.2	243 8,874 Mi Scre  Dir. 0 425 92.5 69.9  F	9,635 icrochann w compre 2 ect prope 93 70.2 -20 ~42 R-134a/630 160 2	9,640 eel essor lller 22 103,868 94.5 71.7	96.4 73.5	95.4 72.2	24 113,320 92.6 69.5	93.1



# Air cooled scroll chiller, standard efficiency, standard/low sound

- > First R-32 air cooled chiller with Scroll compressors in the market
- > Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > One or two truly independent refrigerant circuits for outstanding reliability
- > MicroTech 4 controller with superior control logic and easy interface
- > Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- > Fan speed modulation to ensure precise airflow control and optimized condensing temperature
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More details and final information can be found by scanning or clicking the QR codes.



EWAT-B-SSB



EWAT-B-SLB

Cooling Only			EWAT-B-SSB/SLB	085	115	135	155	175	195	205	215
Space cooling	A Condition 35°	C Pdc	kW	80.92	108.97	131.42	158.15	174.93	191.39	210.53	217.08
	ηs,c		%	161	173	1	161	176.2	170.6	173	161
	ηs,c + VF[	DFAN	%					-			
SEER				4.1	4.4	.	4.1	4.48	4.34	4.4	4.1
SEER + VFDFAN								-			
Cooling capacity	Nom.		kW	81	109	131	158	175	191	211	217
Power input	Cooling	Nom.	kW	31.8	38.5	49.8	61.9	67.8	69.5	80	85.8
Capacity control	Method						St	ep			
	Minimum	capacity	%	50	38	50	25	38	21	19	50
EER				2.55	2.83	2.64	2.55	2.58	2.75	2.63	2.53
IPLV				4.65	4.92	4.46	4.68	4.78	4.84	4.86	4.7
EER + VFDFAN								-			
IPLV + VFDFAN								-			
Dimensions	Unit	Height	mm		1,801		1,822	1,801		1,822	
		Width	mm		·		<u> </u>	204			
		Length	mm	2,120	2,6	660	3,570	3,180	4,	170	3,780
Weight (SSB)	Unit		kg	681	767	811	1,007	984	1,166	1,158	1,184
3 (111)	Operation	n weight	kg	686	773	820	1,014	996	1,177	1,169	1,200
Weight (SLB)	Unit		kg	691	777	821	1,028	994	1,187	1,179	1,194
3 1 (4 2 )	Operation	weiaht	kg	696	783	830	1,035	1,006	1,198	1,190	1,210
Water heat	Туре		9				· ·	d plate	.,	1,122	,,
exchanger	Water vol	ume	1	5	6	9	7	12		11	16
	Water flow rat		Nom. I/s	3.9	5.2	6.3	7.6	8.4	9.1	10.1	10.4
	Water pressure dro	Cooling	Nom. kPa	27.3	34.4	26.5	64.2	41.7	45.9	54.4	41.4
Air heat exchanger	•	r					Microc	hannel			
Compressor	Туре							mpressor			
	Quantity				2		4	2		4	2
Fan	Туре							propeller			
	Quantity			4		6		8		10	
	Air flow rat	e Nom	l/s	6,022		036	13,354	12,023	16	710	15,057
	Speed		rpm	0,022		-	<u> </u>	360		,,	13/03/
Sound power level (SSB)		Nom.	dBA	84.8	88.2	89.7	87.8	91.8	89.9	90.9	93.2
Sound power level (SLB)		Nom.	dBA	83.7	86.2	87	86.7	88.8	88.1	88.7	90
Sound pressure level (SSB)		Nom.	dBA	67.4	70.5	72	69.5	73.8	71.3	72.3	74.8
Sound pressure level (SLB)		Nom.	dBA	66.3	68.5	69.3	68.4	70.7	69.5	70.1	71.6
Refrigerant	Type/GWI		ubit	00.5				2/675	02.0	, , , , , ,	,
9	Charge (S		kg	7.1	8	3.4	12.4	10.7	14.1	14.4	12.7
	Charge (S		kg	7.1	8.2	8.4	12.4	10.7	14	13.4	12.7
	Circuits	Quantity	9	···	1	011	2	1		2	1
Piping connections			et/outlet (OD)		76.1		88.9	76.1		8.9	76.1
Unit	Starting current	Max	A	213	313	324	284	462	384	395	498
	Running	Cooling	Nom. A	59	69	83	108	113	117	131	142
	current	Max	A A	73	86	96	143	132	156	167	168
	Current	IVIAY									

# Air cooled scroll chiller, standard efficiency, reduced sound

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EWAT-B-SRB

Cooling Only			E	WAT-B-SRB	085	115	135	155	175	195	205	215
Space cooling	A Condition 35°C	Pdc		kW	76.49	105	123.88	150.13	164.87	181.31	200.51	203.5
-	ηs,c			%	161	173	1	61	166.2	162.2	167.8	161
SEER					4.1	4.4	4	4.1	4.23	4.13	4.27	4.1
Cooling capacity	Nom.			kW	76	105	124	150	165	181	201	204
Power input	Cooling	Nom.		kW	33.7	40.3	53	65.9	73	73.2	84.6	91.9
Capacity control	Method							St	ep			
	Minimum	capacity		%	50	38	50	25	38	21	19	50
EER					2.27	2.61	2.34	2.28	2.26	2.48	2.37	2.21
IPLV					4.67	4.97	4.5	4.63	4.74	4.64	4.91	4.66
Dimensions	Unit	Height		mm		1,801		1,822	1,801		1,822	
		Width		mm				1,2	204			
		Length		mm	2,120	2,	560	3,570	3,180	4,	170	3,780
Weight	Unit			kg	691	777	821	1,028	994	1,187	1,179	1,194
	Operation	n weight		kg	696	783	830	1,035	1,006	1,198	1,190	1,210
Water heat	Туре							Braze	d plate			
exchanger	Water vol	ume		1	5	6	9	7	12		1	16
	Water flow rat	e Cooling	Nom.	I/s	3.7	5	5.9	7.2	7.9	8.7	9.6	9.7
	Water pressure drop	Cooling	Nom.	kPa	24.6	32.2	23.8	58.5	37.5	41.6	49.9	36.8
Air heat exchanger	Туре							Micro	hannel			
Compressor	Туре							Scroll co	mpressor			
	Quantity					2		4	2		4	2
Fan	Туре							Direct p	propeller			
	Quantity				4		6		8		10	
	Air flow rate	e Nom.		I/s	4,929	7,3	396	11,352	9,838	14,	202	12,325
	Speed			rpm				1,2	200			
Sound power level	Cooling	Nom.		dBA	78.6	82.5	84.1	81.6	86.3	83.9	85.2	87.8
Sound pressure level	Cooling	Nom.		dBA	61.2	64.7	66.4	63.3	68.3	65.3	66.6	69.4
Refrigerant	Type/GWI	P						R-32	2/675			
•	Charge			kg	7.1	8	3.4	13	10.7	13.9	14.4	12.3
	Circuits	Quantity				1		2	1		2	1
Piping connections	Evaporato	or water inle	et/outlet (OD)			76.1		88.9	76.1	88	3.9	76.1
Unit	Starting current	Max	. ,	А	213	313	324	284	462	384	395	498
	Running	Cooling	Nom.	А	62	71	87	115	119	123	139	151
	current	Max		А	73	86	96	143	132	156	167	168
Power supply	Phase/Fre			Hz					/50			

# Air cooled scroll chiller, high efficiency, standard/low sound

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F\Λ/ΔT\_R\_XI F

Cooling Only			EWAT-B-XSB/XLB	085	115	145	180	185
Space cooling	A Condition 35°C	Pdc	kW	87.9	113.89	143.48	179.01	182.67
	ηs,c		%	167	183	175	-	175.8
	ηs,c + VFD	FAN	%		-		181.8	-
SEER				4.25	4.65	4.45	4.38	4.47
SEER + VFDFAN					-		4.62	-
Cooling capacity	Nom.		kW	88	114	143	179	183
Power input	Cooling	Nom.	kW	28.8	36.6	44.4	57	63.6
Capacity control	Method					Step		
	Minimum	capacity	%	50	38	50	25	38
EER				3.05	3.12	3.23	3.14	2.87
IPLV				4.83	5	4.82	4.65	4.74
EER + VFDFAN					-		3.13	-
IPLV + VFDFAN					-		5.11	-
Dimensions	Unit	Height	mm		1,801	1,822	2,540	1,822
		Width	mm		1,204		2,236	1,204
		Length	mm	2,660	3,180	3,780	2,326	3,780
Weight (XSB)	Unit		kg	737	830	949	1,633	1,066
	Operation	weight	kg	742	836	958	1,644	1,078
Weight (XLB)	Unit		kg	747	840	959	1,736	1,076
3 . ,	Operation	weight	kg	752	846	968	1,747	1,088
Water heat	Туре					Brazed plate	,	
exchanger	Water vol	ume		5	6	9	11	12
	Water flow rat		Nom. I/s	4.2	5.4	6.9	8.6	8.7
	Water pressure dro	Cooling	Nom. kPa	31.6	37.3	31	40.7	45.1
Air heat exchanger	•	y		<u> </u>		Microchannel		
Compressor	Туре					Scroll compressor		
Compressor	Quantity				2	3Cloil Complessor	4	2
Fan	Type					Direct propeller	7	
raii	Quantity			6	8	10	4	10
	Air flow rate	n Nom	l/s	9,036	12,023	15,057	20,306	15,057
	Speed	e NOIII.	rpm	9,030	1,360	15,057	900	1,360
Sound power level (XSB)		Nom.	dBA	86	88.8	90.5	91.2	92.1
Sound power level (XLB)		Nom.	dBA	85.2	87.1	88.5	91.2	89.3
Sound power level (XLB) Sound pressure level (XSB)		Nom.	dBA	68.3	70.8	72.2	90.6 72.3	73.7
Sound pressure level (XLB)		Nom.	dBA	67.5	69.1	70.1	71.6	70.9
			UDA	07.5	09.1		71.0	70.9
Refrigerant	Type/GWI Charge (X		kg	8.6	9.7	R-32/675 10.7	19.4	11.2
	Charge (X		kg kg	8.6	9.7	11.2	19.4	11.2
		Quantity	кд	8.0	9.4	11.2	18.8	11.2
Dining connections	Circuits		ot (outlot (OD)		76.1		88.9	76.1
Piping connections				215		220		
Unit	Starting current	Max	A	215	315	328	290	464
	Running	Cooling	Nom. A	56	67	78	110	108
	current	Max	A	75	87	100	149	134
Power supply	Phase/Fre	quency	Hz			3~/50		

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EWAT-B-XRB

Cooling Only			EWAT-B-XRB	085	115	145	180	185
Space cooling	A Condition 35°	C Pdc	kW	81.86	108.59	135.62	168.03	166.16
	ηs,c		%	213.28	179.4	166.6	177	164.6
SEER				4.13	4.56	4.24	4.5	4.19
Cooling capacity	Nom.		kW	82	109	136	168	166
Power input	Cooling	Nom.	kW	30.8	38.9	46.9	59.1	70.5
Capacity control	Method					Step		
	Minimum	capacity	%	50	38	50	25	38
EER				2.66	2.79	2.89	2.84	2.36
IPLV				4.74	5.1	4.76	5.04	4.72
Dimensions	Unit	Height	mm	1	,801	1,822	2,540	1,822
		Width	mm		1,204		2,236	1,204
		Length	mm	2,660	3,180	3,780	2,326	3,780
Weight	Unit		kg	747	840	959	1,736	1,076
	Operation	weight	kg	752	846	968	1,747	1,088
	Туре					Brazed plate		
exchanger	Water vol	ume		5	6	9	11	12
	Water flow rat	e Cooling	Nom. I/s	3.9	5.2	6.5	8	7.9
	Water pressure dro	Cooling	Nom. kPa	27.8	34.2	28	36.3	38
Air heat exchanger	Туре					Microchannel		
Compressor	Туре					Scroll compressor		
	Quantity				2		4	2
Fan	Туре					Direct propeller		
	Quantity			6	8	10	4	10
	Air flow rate	e Nom.	I/s	6,673	8,896	11,122	15,054	11,122
	Speed		rpm		1,108		700	1,108
Sound power level	Cooling	Nom.	dBA	77.9	81.9	84	84.2	86
Sound pressure level	Cooling	Nom.	dBA	60.2	63.9	65.6	65.3	67.7
Refrigerant	Type/GWI	)			·	R-32/675		
-	Charge		kg	8.4	9.1	10.3	12	11.8
	Circuits	Quantity			1		2	1
Piping connections	Evaporato	or water inle	et/outlet (OD)		76.1		88.9	76.1
Unit	Starting current	Max	А	215	315	328	290	464
	Running	Cooling	Nom. A	59	71	83	113	118
	current	Max	Α	75	87	100	149	134
Power supply	Phase/Fre	allency	Hz			3~/50		

- > R32 refrigerant;
- > Nominal capacity up to 1,000 kW;
- > Scroll compressors;
- > Top class efficiency both at full and part load conditions;
- > Best capacity with smallest footprint;
- > Microchannel coils;
- > Performance monitoring;
- > New Daikin MicroTech 4 controller.

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EWAT-B-SSC



Cooling Only			EWAT	310B-SSC1	320B-SSC2	350B-SSC1	380B-SSC2	430B-SSC2	480B-SSC2	570B-SSC2	620B-SSC2	670B-SSC2	730B-SSC2
Space cooling	A Condition 35°C Pdc		kW	305.92	317.98	345.59	381.40	426.61	477.56	567.34	622.34	668.92	734.97
	ης,ς		%	184.6	177.7	181.2	183.0	184.9	183.0	190.4	188.9	188.1	190.4
SEER				4.689	4.517	4.604	4.649	4.698	4.649	4.834	4.797	4.778	4.834
Cooling capacity	Nom.		kW	305.92	317.98	345.59	381.40	426.61	477.56	567.34	622.34	668.92	734.97
Power input	Cooling Nom.		kW	106.6	115.0	130.0	125.2	148.6	176.0	185.5	213.1	237.0	248.6
Capacity control	Method							St	ер				
	Minimum capacity		%	22	21	19	18	16	14	22	20	18	17
EER				2.869	2.764	2.658	3.046	2.871	2.714	3.058	2.921	2.823	2.957
IPLV				4.948	4.794	4.948	4.849	4.907	4.940	5.062	5.073	5.088	5.120
Dimensions	Unit Height		mm					2,5	35				
	Width		mm						238				
	Depth		mm		2,510			3,590			4,670		5,750
Weight	Unit		kg	2,080	2,120	2,200	2,620	2,800	2,920	3,500	3,670	3,780	4,310
	Operation weight		kg	2,099	2,146	2,228	2,646	2,837	2,960	3,555	3,747	3,856	4,385
Air heat exchanger									hannel				
Compressor	Туре								mpressor				
	Quantity			3	4	3		4		5		6	
Fan	Туре								ropeller				
	Quantity				4			6			8		10
	Air flow rate Cooling	Nom.	I/s	25,490	25,500	25,490		38,240			50,980		63,730
Sound power level			dBA	94.0	93.8	94.5	95.1	95.6	95.9	96.7	97.0	97.3	97.9
Sound pressure leve			dBA	74.9	74.7	75.5	75.4	75.9	76.2	76.5	76.7	77.0	77.2
Operation range	Air side Cooling	Min.~Max.	°CDB						~52				
Refrigerant	Type/GWP								2/675				
	Charge		kg	22.0	25.0	30.0	31.0	35.0	39.0	45.0	50.0	53.0	59.0
	Circuits Quantity			1	2	1 1				2			
	s Evaporator water ir	nlet/outlet (OD)					mm					7mm	
Unit	Starting current Max		A	693	697	735	750	792	838	891	936	979	1,032
	Running current Cooling	Nom.	A	186	200	224	222	260	304	329	374	413	438
-	Max		A	245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Frequency/\	/oltage	Hz/V					3~/50	) /400				
Cooling Only			EWAT		790B-SS	C2		860B	-SSC2		90	50B-SSC2	
Space cooling	A Condition 35°C Pdc		kW		791.18			857	7.22			961.63	
	ηs,c		%		190.8			19:	2.6			189.0	
SEER					4.844			4.8	889			4.801	
Cooling capacity	Nom.		kW		791.18			857	7.22			961.63	
Power input	Cooling Nom.		kW		273.9				5.5			335.1	
Capacity control	Method								ер				
	Minimum capacity		%		15				4			25	
EER					2.889				002			2.870	
IPLV					5.092				22			5.079	
Dimensions	Unit <u>Height</u>		mm						35				
	Width		mm					2,2	238				
	Depth		mm		5,850					6,930			
Weight	Unit		kg		4,670				20			5,310	
	Operation weight		kg		4,743				96			5,412	
Air heat exchanger									hannel				
Compressor	Type							Scroll co	mpressor			_	
F	Quantity						7	D:				8	
Fan	Type				10			Direct p	ropeller	12			
	Quantity	Mana	I/s		10					12			
C	Air flow rate Cooling	Nom.	dBA		63,730			0.0		76,480		00.0	
Sound power level					98.1				3.6			99.0	
Sound pressure leve	Air side Cooling	Min ~May	dBA °CDB		77.4				7.5 ~52			77.8	
Refrigerant		IVIIII.~IVIAX.	CDB										
nemyerani	Type/GWP Charge		kg		63.0				2/675 3.0			77.0	
	Circuits Quantity	ı	ку		03.0				2			77.0	
Pining connection	s Evaporator water ir								<u>z</u> 7mm				
Unit	Starting current Max	iict/outlet (OD)	Α		1,079				32			1,220	
Onit	Running Cooling	Nom	A		479				32 05			585	
	naming County	140111.		-					35 84				
	current May												
Power supply	current Max Phase/Frequency/\	/oltage	Hz/V		631				0 /400			772	

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- > Performance monitoring;
- > New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes.

EWAT-B-SRC



						380B-SRC2						
A Condition 35°C	Pdc	kW	297.62	308.38	334.14	373.60	415.25	463.29	553.35	605.02	647.77	714.95
ηs,c		%	197.5	185.0	189.2	192.8	193.5	193.1	202.0			205.2
									5.124			5.206
Nom.		kW	297.62	308.38	334.14	373.60	415.25	463.29	553.35	605.02	647.77	714.95
	Nom.	kW	108.0	117.1	133.5	124.4	149.9	179.2	186.4	216.0	242.2	251.4
Method							St					
Minimum	capacity	%	22	21	19	18	16	14	22	20	18	17
			2.757	2.634	2.502	3.003	2.771	2.586	2.969	2.801	2.674	2.844
			5.485	4.999	5.319	5.324	5.339	5.382	5.5	557	5.525	5.650
Unit	Height	mm					2,5	35				
	Width	mm										
	Depth	mm		2,514			3,594			4,674		5,754
			2.164		2,288	2.705		3.063	3,634		3.937	4,467
	weight											4,544
			, .	,	,	,				, , , , , , , , , , , , , , , , , , , ,		,-
				3		4	50.000		5		6	
						•	Direct n					
				4				. spenci		8		10
	Cooling Nom	I/c	21.470		21.470							53,670
				,		80.5		807	90.8		91 0	91.9
												71.2
			00	,.0	09.0	03.0			70.0	/0./	70.0	/ 1.2
		CDB										
		lea	าา	25	20	21			AF	F0	F2	59
	Ouantity	ку				31	33	39		50	- 33	39
			- 1	Z		l mana				1207	7,00,00	
			602	607			702	020	001			1,032
Kunning current												459
DI (F			245	249	28/	302			443	488	531	584
Phase/Fre	quency/Voltage	HZ/V					3~/50	7400				
		EWAT		790B-SR	C2		860B	-SRC2		96	50B-SRC2	
A Condition 35°C	Pdc	kW		768.57			835	5.75			933.57	
				206.3							201.8	
				5.232			5.2	84			5.121	
Nom.		kW										
	Nom.											
	canacity	%		15							25	
William	cupacity											
		,,,					2.0				2 738	
		,0		2.762			2.9				2.738	
Unit	Height						5.6	30			2.738 5.550	
	Height	mm		2.762			5.6 2,5	30 35				
	Width	mm mm		2.762 5.484			5.6 2,5	30	6 020			
		mm mm mm		2.762 5.484 5,848			5.6 2,5 2,2	i30 i35 !38	6,928		5.550	
Unit	Width Depth	mm mm mm kg		2.762 5.484 5,848 4,845			5.6 2,5 2,2 5,2	330 335 238	6,928		5.550 5,512	
Unit Operation	Width Depth	mm mm mm		2.762 5.484 5,848			5.6 2,5 2,2 5,2 5,3	330 335 338 388 375	6,928		5.550	
Unit Operation Type	Width Depth	mm mm mm kg		2.762 5.484 5,848 4,845			5.6 2,5 2,2 5,2 5,3 Microc	330 335 338 98 375 hannel	6,928		5.550 5,512	
Unit Operation Type Type	Width Depth	mm mm mm kg		2.762 5.484 5,848 4,845			5.6 2,5 2,2 5,2 5,3 Microc	330 335 338 388 375	6,928		5,512 5,611	
Unit Operation Type Type Quantity	Width Depth	mm mm mm kg		2.762 5.484 5,848 4,845		7	5,2 2,2 5,2 5,3 Microc Scroll co	330 335 338 398 375 hannel mpressor	6,928		5.550 5,512	
Unit Operation Type Type Quantity Type	Width Depth	mm mm mm kg		2.762 5.484 5,848 4,845 4,922		7	5,2 2,2 5,2 5,3 Microc Scroll co	330 335 338 98 375 hannel			5,512 5,611	
Unit Operation Type Type Quantity Type Quantity	Width Depth weight	mm mm kg kg		2.762 5.484 5,848 4,845 4,922		7	5,2 2,2 5,2 5,3 Microc Scroll co	330 335 338 398 375 hannel mpressor	12		5,512 5,611	
Unit Operation Type Type Quantity Type Quantity Air flow rate	Width Depth weight  Cooling Nom.	mm mm kg kg		2.762 5.484 5,848 4,845 4,922 10 53,670		7	5.6 2,5 2,2 5,2 5,2 Microc Scroll col	330 335 338 398 375 hannel mpressor			5,512 5,611 8	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling	Width Depth weight  Cooling Nom. Nom.	mm mm kg kg		2.762 5.484 5,848 4,845 4,922 10 53,670 91.9		7	5.6 2,5 2,2 5,2 5,3 Microc Scroll con	330 335 338 398 375 hannel mpressor ropeller	12		5,512 5,611 8	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling	Width Depth  weight  Cooling Nom. Nom. Nom.	mm mm kg kg		2.762 5.484 5,848 4,845 4,922 10 53,670		7	5.6 2,5 2,2 5,2 5,3 Microc Scroll con Direct p	330 335 338 998 375 hannel mpressor ropeller	12		5,512 5,611 8	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	Width Depth  weight  Cooling Nom. Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg		2.762 5.484 5,848 4,845 4,922 10 53,670 91.9		7	5.6 2,5 2,2 5,2,2 5,3 Microo Scroll con Direct p	330 335 338 998 375 hannel mpressor ropeller	12		5,512 5,611 8	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWF	Width Depth  weight  Cooling Nom. Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg l/s dBA dBA °CDB		2.762 5.484 5,848 4,845 4,922 10 53,670 91,9 71.2		7	5.6 2,9 2,2 5,2 5,3 Microc Scroll col Direct p 92 71 -20 R-32	330 335 338 98 375 hannel mpressor ropeller	12		5,512 5,611 8 8 92.7 71.6	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWF Charge	Width Depth  weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg		2.762 5.484 5,848 4,845 4,922 10 53,670 91.9		7	5.6 2,5 2,2 5,2 5,3 5,3 Microc Scroll col Direct p 92 71 -20 8-32 6.3	330 335 338 338 375 375 377 377 378 378 378 378 378 378 378 378	12		5,512 5,611 8	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWF Charge	Width Depth  weight  Cooling Nom. Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg l/s dBA dBA °CDB		2.762 5.484 5,848 4,845 4,922 10 53,670 91,9 71.2		7	5.6 2,5 2,2 5,2 5,3 5,3 Microc Scroll col Direct p 92 71 -20 8-32 6.3	330 335 338 98 375 hannel mpressor ropeller	12		5,512 5,611 8 8 92.7 71.6	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWF Charge Circuits	Width Depth  weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg l/s dBA dBA °CDB		2.762 5.484 5,848 4,845 4,922 10 53,670 91,9 71.2		7	5.6 2,2 2,2 5,2 5,3 Microc Scroll col Direct p 92 71 -20 R-32	330 335 338 338 375 375 377 377 378 378 378 378 378 378 378 378	12		5,512 5,611 8 8 92.7 71.6	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWF Charge Circuits Evaporato	Width Depth  Weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD)	mm mm kg kg l/s dBA dBA °CDB		2.762 5.484 5,848 4,845 4,922 10 53,670 91,9 71.2		7	5.6 2,2 2,2 5,2 5,5 Microc Scroll col Direct p 92 77 -20 R-32 6	230 235 238 298 275 275 276 276 277 277 277 277 277 277 277 277	12		5,512 5,611 8 8 92.7 71.6	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWF Charge Circuits Evaporato Starting current	Width Depth  weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD) Max	mm mm kg kg l/s dBA dBA cCDB		2.762 5.484 5,848 4,845 4,922 10 53,670 91.9 71.2		7	5.6 2,9 2,2 5,2 5,7 Microc Scroll col Direct p 92 7/1 -20 R-32 6	230 235 238 298 275 275 286 276 277 238 267 277 238 267 277 277 277 277 277 277 277 277 277	12		5,512 5,611 8 92.7 71.6	
Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWF Charge Circuits Evaporato Starting current Running	Width Depth  weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD) Max	mm mm kg kg		2,762 5,484 5,848 4,845 4,922 10 53,670 91,9 71.2		7	5.6 2,5 2,2 5,2 5,3 5,5 Microc Scroll col Direct p 92 77 -20 8-32 6 : 139.7	230 235 238 298 275 275 276 276 277 277 277 277 277 277 277 277	12		5,512 5,611 8 92.7 71.6	
	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Air side Type/GWP Charge Circuits Evaporato Starting current Running current Phase/Free  ACondition 35°C ns,c  Nom. Cooling Method	Nom. Cooling Nom. Method Minimum capacity  Unit Height Width Depth Unit Operation weight Type Type Quantity Air flow rate Cooling Nom. Cooling Nom. Cooling Nom. Cooling Nom. Cooling Nom. Air side Cooling Min.~Max. Type/GWP Charge Circuits Quantity Evaporator water inlet/outlet (OD) Starting current Max Running current Cooling Nom. Max Phase/Frequency/Voltage  ACondition 35°C Pdc ns,c  Nom. Cooling Nom. Cooling Nom. Max Phose Frequency/Voltage	ns,c	ns,c         %         197.5           Nom.         kW         297.62           Cooling Nom.         kW         108.0           Method         Minimum capacity         %         22           Minimum capacity         %         22         2.757           5.485         5.485         5.485           Unit         Height mm         mm         mm         Minimum capacity         5.485           Unit         Height mm         mm         Minimum capacity         5.485         5.485           Unit         Height mm         mm         Minimum capacity         5.485         5.485           Unit         Height mm         mm         Minimum capacity         5.485         5.485           Unit         Height mm         mm         4.84         2.164         6.84         6.87         7.187	Nom.	Nom.   Nom.	195,c   96   197,5   185.0   189.2   192.8   5.013   4.700   4.806   4.895   4.855   4.895   4.855   4.895   4.855   4.895   4.855   4.895   4.855   4.895   4.855   4.855	Nom.   Nom.	Nom.   Nom.	Nom.   Nom.	PSC	Nom.   Nom.

- > R32 refrigerant;
- > Nominal capacity up to 1,000 kW;
- > Scroll compressors;
- > Top class efficiency both at full and part load conditions;
- > Best capacity with smallest footprint;
- > Microchannel coils;
- > Performance monitoring;
- > New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes.



EWAT-B-XSC



Cooling Only	A Condition 2500	Dde								450B-XSC2				
Space cooling	A Condition 35°C	Pac		kW	1,009.36	252.39	324.44	371.33	387.85	448.05	512.31	539.39	586.74	631.42
CEED	ηs,c			%	193.4	181.8	188.6	187.4	184.9	187.4	189.4	192.5	192.4	192.6
SEER				1347	4.910	4.620	4.789	4.759	4.697	4.760	4.810	4.887	4.884	4.890
Cooling capacity	Nom.			kW		252.39	324.44	371.33	387.85	448.05	512.31	539.39	586.74	631.42
Power input	Cooling	Nom.		kW	315.7	79.1	100.0	118.8	125.6	140.5	158.0	160.2	178.6	197.1
Capacity control	Method	•.		0/				10		ep	25		22	20
FFD	Minimum	capacity		%	25	50	22	19	18	16	25	14	22	20
EER					3.197	3.189	3.245	3.126	3.088	3.189	3.242	3.368	3.285	3.203
IPLV					5.126	4.907	5.002	5.051	4.895	4.977	5.068	5.091	5.117	5.109
Dimensions	Unit	Height		mm						535				
		Width		mm	0.000	2.514	1	2.504	2,2	238	774		F 7F 4	
\A/-:	I I a !a	Depth		mm	9,088	2,514	2 466	3,594	2.657		3 350	2.004	5,754	4.024
Weight	Unit			kg	6,251	1,963	2,466	2,585	2,657	3,169	3,359	3,804	3,916	4,024
A:	Operation	i weight		kg	6,350	1,986	2,489	2,610	2,693	3,205	3,419	3,864	3,979	4,084
Air heat exchanger										:hannel				
Compressor	Type				_			<u> </u>	SCroil co	mpressor				
Fan	Quantity				8	2		3	D:	4			5	
ran	Туре				10		1		Direct	ropeller			10	
	Quantity	Coolina	Nom	I/s	16	4 25,490		6 20 240			8 980		10	
Cound november	Air flow rate		Nom.	dBA	101,980	<u> </u>	04.0	38,240	051	-		06.0	63,730	07.5
Sound power level		Nom.			99.5	93.5	94.8	95.3	95.1	96.1	96.5	96.9	97.2	97.5
Sound pressure level	Air side	Nom.	Min Marr	dBA	77.6	74.4	75.1	75.6	75.4	75.9 ~52	76.3	76.2	76.5	76.8
Operation range		Cooling	Min.~Max.	°CDB										
Refrigerant	Type/GWI	<u> </u>		1	75.0	440	500	FF 0		2/675	30 F	42.0	45.0	40.0
	Charge	0		kg	75.0	44.0	50.0	55.0	30.5	35.0	39.5		45.0	49.0
Di	Circuits	Quantity	lat/atlat (OD)		2 139.7mm		11	00 0				2	7	
Piping connections			iet/outlet (OD)			6.47	700	88.9mm	750	002	0.45		7mm	044
Unit	Starting current		Mana	Α.	1,240	647	703	746	750	803	845	858	901	944
	Kunning current	Cooling	Nom.	Α.	567	142	181	212	223	252	284	292	323	354
		Max		Α α.	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Fre	quency/V	oltage	Hz/V					3~/50	7400				
Cooling Only				EWAT	720	DB-XSC2		760B-X	5C2	830	0B-XSC2		880B-X	SC2
Cooling Only Space cooling	A Condition 35°C	Pdc		<b>EWAT</b> kW		<b>DB-XSC2</b> 716.56		<b>760B-X</b> 9			<b>0B-XSC2</b> 834.45		<b>880B-X</b> 9	
	A Condition 35°C ηs,c	Pdc				716.56 193.9		762.50 194.2	)	8			880.39 193.5	9
Space cooling		Pdc		kW %		716.56		762.50	)	8	834.45		880.3	9
Space cooling SEER		Pdc		kW		716.56 193.9		762.50 194.2	)	8	834.45 193.8		880.39 193.5	9
Space cooling SEER Cooling capacity	ηs,c Nom. Cooling	Pdc Nom.		kW %		716.56 193.9 4.923		762.50 194.2 4.930	)	8	834.45 193.8 4.920		880.3 193.5 4.913	9
Cooling Only Space cooling SEER Cooling capacity Power input Capacity control	ηs,c Nom.			kW % kW kW		716.56 193.9 4.923 716.56 218.1		762.50 194.2 4.930 762.50 236.9	)	8	834.45 193.8 4.920 834.45		880.39 193.5 4.913 880.39	9
Space cooling  SEER Cooling capacity Power input Capacity control	ηs,c Nom. Cooling	Nom.		kW % kW		716.56 193.9 4.923 716.56		762.50 194.2 4.930 762.50	)	8	834.45 193.8 4.920 834.45		880.39 193.5 4.913 880.39	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER	ηs,c Nom. Cooling Method	Nom.		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285		762.50 194.2 4.930 762.50 236.9	) ) St	ep	834.45 193.8 4.920 834.45 257.3 15 3.243		880.34 193.5 4.913 880.34 276.1 14 3.189	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV	ηs,c Nom. Cooling Method Minimum	Nom.		kW % kW kW		716.56 193.9 4.923 716.56 218.1		762.50 194.2 4.930 762.50 236.9	) ) St	ep	834.45 193.8 4.920 834.45 257.3		880.39 193.5 4.913 880.39 276.1	9
Space cooling  SEER Cooling capacity Power input Capacity control	ηs,c Nom. Cooling Method	Nom. capacity Height		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285		762.50 194.2 4.930 762.50 236.9 17 3.219	) ) St	ep 5355	834.45 193.8 4.920 834.45 257.3 15 3.243		880.34 193.5 4.913 880.34 276.1 14 3.189	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV	ηs,c Nom. Cooling Method Minimum	Nom. capacity Height Width		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285		762.50 194.2 4.930 762.50 236.9 17 3.219	) ) St	ep	834.45 193.8 4.920 834.45 257.3 15 3.243		880.34 193.5 4.913 880.34 276.1 14 3.189	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions	ηs,c Nom. Cooling Method Minimum	Nom. capacity Height		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141	6,834	762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	5t 2,2	ep 5335 238	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130	8,008	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions	ns,c  Nom. Cooling Method Minimum  Unit	Nom.  capacity  Height Width Depth		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141	6,834	762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	5t 2,2	ep 535 538	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130	8,008	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight	ns,c Nom. Cooling Method Minimum Unit Unit Operation	Nom.  capacity  Height Width Depth		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141	6,834	762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	5t	ep 535 238	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130	8,008	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	ns,c Nom. Cooling Method Minimum Unit Unit Operation Type	Nom.  capacity  Height Width Depth		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141	6,834	762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	5t 2,2	ep 5335 238	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130	8,008	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Unit  Operation Type Type	Nom.  capacity  Height Width Depth		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141		762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	5t 2,2	ep 535 238	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130		880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Unit  Upit Operatior Type Type Quantity	Nom.  capacity  Height Width Depth		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141	6,834	762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	St 2,4 2,2 Microc Scroll co	ep s355 s38 shannel mpressor	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130	8,008	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type	Nom.  capacity  Height Width Depth		kW % kW kW		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141	6	762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	St 2,4 2,2 Microc Scroll co	ep 5335 238	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Quantity Quantity	Nom. capacity  Height Width Depth n weight		kW % kW kW % mm mm kg		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141	6 12	762.50 194.2 4.930 762.50 236.9 17 3.219 5.165	St 2,4 2,2 Microc Scroll co	ep s355 s38 shannel mpressor	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Unit  Unit  Unit  Unit  Quantity Type Quantity Air flow rate	Nom. capacity  Height Width Depth n weight	Nom.	kW % kW kW % % % % % % % % % % % % % % %		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,4 2,2 Microc Scroll co	ep s355 s38 shannel mpressor	193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Quantity Type Quantity Air flow rate Cooling	Nom. capacity  Height Width Depth n weight	Nom.	kW % kW kW % % % % % % % % % % % % % % %		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.93C 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,4 2,2 Microc Scroll co	ep s355 s38 shannel mpressor	193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Unit  Unit  Unit  Unit  Operation Type Quantity Type Quantity Air flow rate Cooling Cooling	Nom. capacity  Height Width Depth n weight  Cooling Nom. Nom.		kW % kW kW % % % % % % % % % % % % % % %		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,4 2,2 Microc Scroll co	ep 5335 5338 hannel mpressor oropeller	193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Air flow rate Cooling Air side	Nom. capacity  Height Width Depth n weight  Cooling Nom. Nom. Cooling	Nom. Min.~Max.	kW % kW kW % % % % % % % % % % % % % % %		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.93C 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,1 2,2 Microc Scroll co	ep 535 538 hannel mpressor rropeller	193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Air flow rate Cooling Cooling Air side Type/GWI	Nom. capacity  Height Width Depth n weight  Cooling Nom. Nom. Cooling		kW % kW kW % mm mm kg kg l/s dBA dBA °CDB		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,1 2,2 Microc Scroll co	ep 5335 5338 hannel mpressor oropeller	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Air side Charge	Nom. capacity  Height Width Depth n weight  Cooling Nom. Nom. Cooling	Min.~Max.	kW % kW kW % % % % % % % % % % % % % % %		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.93C 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,2 2,2 Microc Scroll co	ep 5335 238 channel mpressor propeller ~52 2/675	193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 193.5 4.913 880.3 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits	Nom. capacity  Height Width Depth n weight  Cooling Nom. Nom. Cooling	Min.~Max.	kW % kW kW % mm mm kg kg l/s dBA dBA °CDB		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,2 2,2 Microc Scroll co Direct p	ep 5335 238  channel mpressor rropeller ~52 2/675	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 <sup>1</sup> 193.5 4.913 880.3 <sup>1</sup> 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits	Nom. capacity  Height Width Depth n weight  Cooling Nom. Nom. Cooling	Min.~Max.	kW % kW kW % mm mm kg kg l/s dBA dBA °CDB		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,2 2,2 Microc Scroll co Direct p	ep 5335 238 channel mpressor propeller ~52 2/675	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 <sup>1</sup> 193.5 4.913 880.3 <sup>1</sup> 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits	Nom.  capacity  Height Width Depth n weight  Cooling Nom. Nom. Cooling P  Quantity or water in	Min.~Max.	kW % kW kW % mm mm kg kg l/s dBA dBA °CDB		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,2 2,2 Microc Scroll co Direct p	ep 5335 238  channel mpressor rropeller ~52 2/675	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7	880.3 <sup>1</sup> 193.5 4.913 880.3 <sup>1</sup> 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Type Quantity Air flow rate Cooling Cooling Cooling Cooling Croults Evaporate Starting current	Nom.  capacity  Height Width Depth n weight  Cooling Nom. Nom. Cooling Quantity or water in Max Cooling	Min.~Max.	kW % kW kW % mm mm kg kg kg l/s dBA dBA CDB		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642	6 12	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750	St 2,2 2,2 Microc Scroll co Direct p	ep 5335 238  channel mpressor rropeller ~52 2/675	834.45 193.8 4.920 834.45 257.3 15 3.243 5.130 5,442 5,519	7 14 89,230	880.3 <sup>1</sup> 193.5 4.913 880.3 <sup>1</sup> 276.1 14 3.189 5.146 5,551 5,628	9
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Type Quantity Air flow rate Cooling Cooling Cooling Cooling Croults Evaporate Starting current	Nom.  Capacity  Height Width Depth  Nom.  Cooling Nom.  Cooling  Quantity  Quantity  or water in Max	Min.~Max.	kW % kW kW % % mm mm mm kg kg dBA dBA &CDB kg		716.56 193.9 4.923 716.56 218.1 18 3.285 5.141 4,565 4,642 98.0 76.9	6 12	762.5( 194.2 4.930 762.5( 236.9 17 3.219 5.165 4,673 4,750 98.3 77.1 57.5	St 2,2 2,2 Microc Scroll co Direct p	ep 5335 238  channel mpressor rropeller ~52 2/675	834.45 193.8 4.920 834.45 257.3 15 3.243 5,130 5,442 5,519	7 14 89,230	880.3: 193.5 4.913 880.3: 276.1 14 3.189 5.146 5,551 5,628	9

- > R32 refrigerant;
- > Nominal capacity up to 1,000 kW;
- > Scroll compressors;
- > Top class efficiency both at full and part load conditions;
- > Best capacity with smallest footprint;
- > Microchannel coils;
- > Performance monitoring;
- > New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes.



EWAT-B-XRC



Cooling Only				EWAT									590B-XRC2	
Space cooling	A Condition 35°C	Pdc		kW	965.50	241.40	313.20	355.68	370.32	431.43	489.48	520.68	563.54	603.94
	ηs,c			%	206.2	195.6	204.4	202.6	196.2	203.3	201.3	208.2	207.8	206.5
SEER					5.229	4.965	5.186	5.140	4.979	5.158	5.108	5.279	5.270	5.237
Cooling capacity	Nom.			kW	965.50	241.40	313.20	355.68	370.32	431.43	489.48	520.68	563.54	603.94
Power input	Cooling	Nom.		kW	323.5	81.1	99.9	121.4	129.1	141.4	162.1	159.6	180.7	202.0
Capacity control	Method				525.5	0				ер	10211	13710	10017	202.0
capacity control		capacity		%	25	50	22	19	18	16	25	14	22	20
EER	Milliman	capacity		/0	2.985	2.977	3.135	2.929	2.869	3.052	3.019	3.262	3.119	2.990
IPLV														
	11.3	11.2.1.4			5.576	5.340	5.525	5.487	5.317	5.446	5.528	5.630	5.620	5.601
Dimensions	Unit	Height		mm						535				
		Width		mm						238				
		Depth		mm	9,090	2,510	53,600		90		570		5,750	
Weight	Unit			kg	6,450	2,020	2,550	2,670	2,740	3,290	3,480	3,940	4,060	4,160
	Operation	n weight		kg	6,549	2,045	2,577	2,698	2,780	3,324	3,538	4,003	4,115	4,223
Air heat exchanger	Type									hannel				
Compressor	Type								Scroll co	mpressor				
	Quantity				8	2		3		4			5	
Fan	Type								Direct p	ropeller				
	Quantity				16	4		6	/ [-		8		10	
		Cooling	Nom.	I/s	75,600	18,900		28,350			800		47,250	
Sound power level		Nom.		dBA	90.0	84.0	85.4	85.7	85.6	86.8	87.0	87.6	87.8	87.9
Sound pressure level		Nom.		dBA	68.1	64.9	65.7	66.0	65.9	66.5	66.7	66.9	67.1	67.9
		Cooling	Min.~Max.		00.1	04.9	03.7	00.0			00.7	00.9	07.1	07.2
Operation range	Air side		wiin.~wax.	°CDB						~52				
Refrigerant	Type/GW	Ρ			75.0					2/675	20.5	40.0	45.0	40.0
	Charge			kg	75.0	44.0	50.0	55.0	30	).5	39.5	42.0	45.0	49.0
	Circuits				2		1					2		
Piping connections			nlet/outlet (OD)		139.7mm			88.9mm				139.	7mm	
Unit	Starting current	Max		Α	1,240	647	703	746	750	803	845	858	901	944
	Running curren	t Cooling	Nom.	Α	570	143	178	213	225	249	286	287	322	356
		Max		Α	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Fre	equency/\	/oltage	Hz/V					3~/50	7400				
a 11 a 1				=14/4=				-40D W					222B V	
Cooling Only				EWAT		DB-XRC2		760B-XI			0B-XRC2		880B-XI	
Cooling Only Space cooling	A Condition 35°C	Pdc		kW		687.57		728.98	3		300.94		842.3	4
Space cooling	A Condition 35°( ηs,c	Pdc				687.57 208.6		728.98 207.0	8		300.94 210.0		842.3 208.8	4 3
Space cooling SEER	ηs,c	Pdc		kW %		687.57 208.6 5.291		728.98 207.0 5.249	8	8	300.94 210.0 5.324		842.3- 208.8 5.294	4 3 1
Space cooling		Pdc		kW % kW		687.57 208.6		728.98 207.0	8	8	300.94 210.0		842.3 208.8	4 3 1
Space cooling SEER	ηs,c	Pdc Nom.		kW %		687.57 208.6 5.291		728.98 207.0 5.249	8	8	300.94 210.0 5.324		842.3- 208.8 5.294	4 3 1 4
Space cooling  SEER  Cooling capacity	ηs,c Nom.			kW % kW		687.57 208.6 5.291 687.57		728.98 207.0 5.249 729.00	3	8	300.94 210.0 5.324 300.94		842.3 208.8 5.294 842.3	4 3 1 4
Space cooling  SEER  Cooling capacity  Power input	ηs,c Nom. Cooling Method	Nom.		kW % kW		687.57 208.6 5.291 687.57		728.98 207.0 5.249 729.00	3	8	300.94 210.0 5.324 300.94		842.3 208.8 5.294 842.3	4 3 1 4
Space cooling SEER Cooling capacity Power input Capacity control	ηs,c Nom. Cooling Method			kW % kW kW		687.57 208.6 5.291 687.57 221.3		728.99 207.0 5.249 729.00 242.8	B D St	ep	800.94 210.0 5.324 800.94 261.1		842.3 208.8 5.294 842.3 282.2	4 3 4 4
Space cooling  SEER Cooling capacity Power input Capacity control  EER	ηs,c Nom. Cooling Method	Nom.		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107		728.98 207.0 5.249 729.00 242.8 17 3.003	B D St	ep	800.94 210.0 5.324 800.94 261.1 15 3.067		842.3 208.8 5.294 842.3 282.2 14 2.979	4 3 1 4 2
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV	ηs,c Nom. Cooling Method Minimum	Nom. n capacity		kW % kW kW		687.57 208.6 5.291 687.57 221.3		728.99 207.0 5.249 729.00 242.8	St	ер	800.94 210.0 5.324 800.94 261.1		842.3 208.8 5.294 842.3 282.2	4 3 1 4 2
Space cooling  SEER Cooling capacity Power input Capacity control  EER	ηs,c Nom. Cooling Method	Nom. capacity Height		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107		728.98 207.0 5.249 729.00 242.8 17 3.003	St 2,5	ep 5335	800.94 210.0 5.324 800.94 261.1 15 3.067		842.3 208.8 5.294 842.3 282.2 14 2.979	4 3 1 4 2
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV	ηs,c Nom. Cooling Method Minimum	Nom. n capacity Height Width		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107	6020	728.98 207.0 5.249 729.00 242.8 17 3.003	St 2,5	ер	800.94 210.0 5.324 800.94 261.1 15 3.067	0.010	842.3 208.8 5.294 842.3 282.2 14 2.979	4 3 1 4 2
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions	ηs,c Nom. Cooling Method Minimum	Nom. capacity Height		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649	6,830	728.96 207.0 5.249 729.06 242.8 17 3.003 5.605	St 2,2	ep 535 238	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613	8,010	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 2 2 5 5 5 5 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV	ns,c  Nom. Cooling Method Minimum  Unit	Nom.  capacity  Height Width Depth		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649	6,830	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St 2,5	ep 535 538	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613	8,010	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight	Nom. Cooling Method Minimum  Unit Unit Operation	Nom.  capacity  Height Width Depth		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649	6,830	728.96 207.0 5.249 729.06 242.8 17 3.003 5.605	St 2,5	ep = 535 = 238	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613	8,010	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	Nom. Cooling Method Minimum  Unit Unit Operation	Nom.  capacity  Height Width Depth		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649	6,830	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St 2,2	ep = 535	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613	8,010	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight	Nom. Cooling Method Minimum  Unit Unit Operation	Nom. a capacity Height Width Depth		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649	6,830	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St 2,2	ep = 535 = 238	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613	8,010	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	Nom. Cooling Method Minimum  Unit Unit Operation Type	Nom. a capacity Height Width Depth		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649	6,830	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St 2,2	ep = 535	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613	8,010	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type	Nom. a capacity Height Width Depth		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649		728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St St 2,5 2,2 Microc Scroll co	ep = 535	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613		842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Upit Operation Type Type Quantity Type	Nom. a capacity Height Width Depth		kW % kW kW		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649		728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St St 2,5 2,2 Microc Scroll co	ep s335 s38 shannel mpressor	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613		842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity	Nom. capacity Height Width Depth n weight		kW % kW kW % mm mm kg		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St St 2,5 2,2 Microc Scroll co	ep s335 s38 shannel mpressor	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor Fan	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Airflow rate	Nom.  A capacity  Height Width Depth  n weight	Nom.	kW % kW kW %		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649 4,720 4,801	6	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St St 2,5 2,2 Microc Scroll co	ep s335 s38 shannel mpressor	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 2 2 3 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling	Nom.  A capacity  Height Width Depth n weight  Cooling Nom.		kW % kW kW % % % % % % % % % % % % % % %		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	St St 2,5 2,2 Microc Scroll co	ep s335 s38 shannel mpressor	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730	4 3 4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Air flow rate Cooling Cooling	Nom.  Height Width Depth n weight  Cooling Nom. Nom.	Nom.	kW % kW kW % % % % % % % % % % % % % % %		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605	St St 2,5 2,2 Scroll co	ep 5335 5338 hannel mpressor oropeller	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605	4 3 4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Airflowrate Cooling Cooling Cooling Air side	Nom.  Height Width Depth n weight  Cooling Nom. Cooling	Nom.	kW % kW kW % % % % % % % % % % % % % % %		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	St St St St St St St St St St St St St S	ep 535 538 hannel mpressor rropeller	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730	4 3 4 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling I Cooling I Cooling I Cooling	Nom.  Height Width Depth n weight  Cooling Nom. Cooling	Nom.	kW % kW kW % Mm mm mm kg kg l/s dBA dBA °CDB		687.57 208.6 5.291 6687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	St St St St St St St St St St St St St S	ep 5335 5338 hannel mpressor oropeller	800.94 210.0 5.324 300.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730 5,806	4 3 4 4 2 0 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Quantity Type Quantity Airflowrate Cooling Cooling Air side Air side Charge	Height Width Depth n weight Nom. Nom. Cooling P	Nom. Min.~Max.	kW % kW kW % % % % % % % % % % % % % % %		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	Storoll colorect p	ep 5335 238 channel mpressor propeller ~52 2/675	800.94 210.0 5.324 800.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730	4 3 4 4 2 0 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Unit  Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Cooling Air side Type/GW Charge Circuits	Nom.  Height Width Depth n weight  Cooling Nom. Cooling P	Nom. Min.~Max.	kW % kW kW % Mm mm mm kg kg l/s dBA dBA °CDB		687.57 208.6 5.291 6687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	St St St St St St St St St St St St St S	ep 5335 238 channel mpressor propeller ~52 2/675	800.94 210.0 5.324 300.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730 5,806	4 3 4 4 2 0 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	ns,c  Nom. Cooling Method Minimum  Unit  Unit  Operation Type Quantity Type Quantity Air flow rate Cooling Cooling Cooling Cooling Cooling Experiment Cooling Cooling Experiment	Nom.  Height Width Depth n weight  Cooling Nom. Nom. Cooling P  Quantity	Nom. Min.~Max.	kW % kW kW % mm mm kg kg dBA dBA CDB		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	St St St St St St St St St St St St St S	ep 5335 238 channel mpressor propeller ~52 2/675	800.94 210.0 5.324 300.94 261.1 15 3.067 5.613 5,620 5,697	7 14 66,150	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730 5,806	4 3 4 4 2 0 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Air flow rate Cooling I Cooling I Cooling I Cooling I Cooling I Cooling Starting ourent Starting ourent	Nom.  Height Width Depth n weight  e Cooling Nom. Nom. Cooling P  Quantity	Nom.  Min.~Max.  /	kW % kW kW % Mm mm mm kg kg l/s dBA dBA °CDB		687.57 208.6 5.291 6687.57 221.3 18 3.107 5.649 4,720 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	8  St  St  2,4 2,7 2,7  Microc Scroll co  Direct p  -20 R-32	ep 5335 238 channel mpressor propeller ~52 2/675	800.94 210.0 5.324 300.94 261.1 15 3.067 5.613 5,620 5,697	7	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730 5,806	4 3 4 4 2 0 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Air flow rate Cooling I Cooling I Cooling I Cooling I Cooling I Cooling Starting ourent Starting ourent	Nom.  Height Width Depth n weight  Cooling Nom. Nom. Cooling P  Quantity	Nom.  Min.~Max.  /	kW % kW kW % mm mm kg kg dBA dBA CDB		687.57 208.6 5.291 687.57 221.3 18 3.107 5.649 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,909	8  St  St  2,4 2,7 2,7  Microc Scroll co  Direct p  -20 R-32	ep 5335 238 channel mpressor propeller ~52 2/675	800.94 210.0 5.324 300.94 261.1 15 3.067 5.613 5,620 5,697	7 14 66,150	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730 5,806	4 3 4 4 2 0 5 5
Space cooling  SEER Cooling capacity Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure leve Operation range Refrigerant  Piping connections	ns,c  Nom. Cooling Method Minimum  Unit  Unit Operation Type Type Quantity Air flow rate Cooling I Cooling I Cooling I Cooling I Cooling I Cooling Starting ourent Starting ourent	Height Width Depth Nom. Nom. Cooling P Quantity is Max Cooling Max Cooling	Nom.  Min.~Max.  /	kW % kW kW  mm mm kg kg  l/s dBA dBA CDB		687.57 208.6 5.291 6687.57 221.3 18 3.107 5.649 4,720 4,720 4,801	6 12	728.96 207.0 5.249 729.00 242.8 17 3.003 5.605 4,830 4,905 88.7 67.6	8  St  St  2,4 2,7 2,7  Microc Scroll co  Direct p  -20 R-32	ep 5335 238 channel mpressor propeller ~52 2/675	800.94 210.0 5.324 300.94 261.1 15 3.067 5.613 5,620 5,697	7 14 66,150	842.3 208.8 5.294 842.3 282.2 14 2.979 5.605 5,730 5,806	4 3 4 4 2 0 5 5

- > R32 refrigerant;
- > Nominal capacity up to 1,000 kW;
- > Scroll compressors;
- > Top class efficiency both at full and part load conditions;
- > Best capacity with smallest footprint;
- > Microchannel coils;
- > Glycol free option;
- > New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes.



EWFT-B-SSC



Cooling Only			EWFI							570B-SSC2			
SEER	None		kW	4.833	4.546	4.641 439.1	4.688 499.3	4.73 493.6	4.742	4.921	4.879	4.815	5.014
Cooling capacity	Nom.	Nom.	kW	395.2	351.7			493.6 131.3	553.8	738.6	803.5	749.6	843.7 220.9
Power input	Cooling Method	Nom.	KVV	121.6	95.91	151.7	138.4		164.2 tep	211	245.1	211.9	220.9
Capacity control	Minimum	canacity	%	39	21	33	18	16	14	22	20	18	17
EER	Williminum	Capacity	90	3.25	3.667	2.894	3.608	3.76	3.373	3.501	3.278	3.538	3.819
IPLV				5.259	4.869	5.080	5.078	5.086	5.122	5.284	5.275	5.241	5.392
Dimensions	Unit	Height	mm	5.259	4.009	5.060	5.076		535	5.204	5.275	5.241	5.592
Dimensions	Unit	Width	mm						238				
		Depth			2,514			3,594	230		4,674		5.754
Weight	Unit	Берип	mm kg	2,245	2,314	2,373	2,852	3,012	3,155	3,774	3,953	4,056	4,667
weight	Operation	, waight	kg kg	2,245	2,286	2,573	3,023	3,198	3,341	4,044	4,223	4,343	5,054
Air boot ovebonger		i weight	ку	2,300	2,430	2,321	3,023		channel	4,044	4,223	4,343	3,034
Air heat exchanger Compressor	Туре								mpressor				
Lompressor				3	4	3		3CIOII CO 4		5		6	
Fan	Quantity Type			3	4	3			propeller	5		0	
all	Quantity				4			6	Jiopellei		8		10
	Air flow rate	Cooling Nom.	I/s		22,510			33.765			45,020		56.27
Sound power level		Nom.	dBA	94	93.8	94.5	95.1	95.6	95.9	96.7	45,020 97	97.3	97.9
Sound power level Sound pressure level		Nom.	dBA	74.9	74.7	75.5	75.4	75.9	76.2	76.5	76.7	77.0	77.2
Operation range	Air side	Cooling Min.~Max.	°CDB	74.9	/4./	/3.3	73.4		~46	70.5	70.7	77.0	//.2
Speration range Refrigerant	Type/GW		CDB						~46 /675.0				
Reirigerant			kg	22.0	25.0	30.0	31.0			45.0	50.0	53	59.0
	Charge Circuits	Ouantitu	ку	i			31.0	35.0	39.0	45.0	50.0	- 55	39.0
Dining connections		Quantity		1	2	1	8.9				12	9.7	
Unit		or water inlet/outlet (OD)	A	693	697			792	838	891	936	9.7	1.032
Jnit	Starting current Running	Cooling Nom.	A	216.2	174.1	735 264.3	750 252.3	240.2	294.4	378.9	435	380.3	403.2
	current												
		Max	A	245	249	287	302	344	390	443	488	531	584
Power supply	Phase/Fre	quency/Voltage	Hz/V					3~/5	0 /400				
Cooling Only			EWFT		790B-SS	C2		860B	3-SSC2		96	50B-SSC2	
SEER					5.049				076			4.93	
Cooling capacity	Nom.		kW		1,018				112			1,235	
Power input	Cooling	Nom.	kW		316.1			32	25.1			387.5	
Capacity control	Mathad								tep				
	Method	• •	%		15			1	14			25	
	Minimum	capacity	,,,									3.188	
		capacity	,,,		3.222			3.4	422			5.312	
EER		capacity	,,		3.222 5.307				422 381			J.J 12	
EER PLV		Height	mm					5.				J.J12	
EER PLV	Minimum							5. 2,	381			J.J12	
EER IPLV	Minimum	Height	mm					5. 2, 2,	381 535 238	6,928		3.312	
EER IPLV Dimensions	Minimum	Height Width	mm mm		5.307			5. 2, 2, 5,!	381 535 238 546	6,928		5,860	
EER PLV Dimensions	Minimum	Height Width Depth	mm mm mm		5.307 5,848			5. 2, 2, 5,!	381 535 238	6,928			
EER PLV Dimensions Weight	Unit Unit Operation	Height Width Depth	mm mm mm kg		5,848 5,035			5. 2,: 2,: 5,: 5,:	381 535 238 546	6,928		5,860	
EER PLV Dimensions Weight Air heat exchanger	Unit Unit Operation	Height Width Depth	mm mm mm kg		5,848 5,035			5. 2, 2, 5,! 5,! Microd	381 535 238 546 975	6,928		5,860	
EER PLV Dimensions Weight Air heat exchanger	Unit Unit Operation Type	Height Width Depth	mm mm mm kg		5,848 5,035		7	5. 2, 2, 5,! 5,! Microd	381 535 238 546 975 channel	6,928		5,860	
EER PLV Dimensions Weight Air heat exchanger Compressor	Unit Unit Operation Type Type	Height Width Depth	mm mm mm kg		5,848 5,035		7	5. 2, 2, 5, 5, Micros Scroll co	381 535 238 546 975 channel	6,928		5,860 6,311	
EER PLV Dimensions Weight Air heat exchanger Compressor	Unit Unit Operation Type Type Quantity	Height Width Depth	mm mm mm kg		5,848 5,035		7	5. 2, 2, 5, 5, Micros Scroll co	381 535 238 546 975 channel mpressor	6,928		5,860 6,311	
EER IPLV Dimensions Weight Air heat exchanger Compressor	Unit Unit Operation Type Type Quantity Type	Height Width Depth n weight	mm mm mm kg		5,848 5,035 5,422		7	5. 2, 2, 5, 5, Micros Scroll co	381 535 238 546 975 channel mpressor			5,860 6,311	
EER PLV Dimensions Weight Air heat exchanger Compressor	Unit Unit Operation Type Type Quantity Air flow rate	Height Width Depth n weight	mm mm kg kg		5,848 5,035 5,422		7	5. 2, 2, 5, 5, Microc Scroll co	381 535 238 546 975 channel mpressor	12		5,860 6,311	
EER PLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level	Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling	Height Width Depth n weight	mm mm kg kg		5,848 5,035 5,422 10 56,275		7	5. 2, 2, 5,! 5,! Microo Scroll co	381 535 238 546 975 channel impressor	12		5,860 6,311 8	
EER PLV Dimensions Weight Air heat exchanger Compressor Tan Sound power level	Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling	Height Width Depth n weight  Cooling Nom. Nom.	mm mm kg kg		5,848 5,035 5,422 10 56,275 98.1		7	5., 2,, 5,, 5,, Microc Scroll co	381 535 238 546 975 channel impressor propeller	12		5,860 6,311 8	
EER PLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Depration range	Minimum  Unit  Unit  Operatior Type Type Quantity Type Quantity Airflow rate Cooling Cooling	Height Width Depth  n weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg		5,848 5,035 5,422 10 56,275 98.1		7	5. 2, 2, 2, 2, 5, 5, 5, 5, 5, Microo Scroll co	381 535 238 546 975 channel mpressor oropeller 8.6	12		5,860 6,311 8	
EER PLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Depration range	Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling Air side	Height Width Depth  n weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg l/s dBA dBA °CDB		5,848 5,035 5,422 10 56,275 98.1		7	5. 2, 2, 2, 5, 5, Microc Scroll co	381 535 238 546 975 channel mpressor propeller 8.6 7.5 ~46	12		5,860 6,311 8	
EER PLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Depration range	Unit Unit Unit Unit Unit Unit Unit Unit	Height Width Depth  weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg		5,848 5,035 5,422 10 56,275 98.1 77.4		7	5. 2, 2, 5, 5, Micros Scroll co  Direct p  9, 7 -20  R-32 6	381 535 535 546 975 channel mpressor oropeller 8.6 7.5 ~46 /675.0 8.0	12		5,860 6,311 8 99 77.8	
EER PLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Depration range Refrigerant	Unit Unit Unit Upit Operation Type Unantity Type Quantity Type Quantity Type Cooling Cooling Air side Type/GWI Charge Circuits	Height Width Depth  n weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.	mm mm kg kg l/s dBA dBA °CDB		5,848 5,035 5,422 10 56,275 98.1 77.4		7	5. 2, 2, 5, 5, Microc Scroll co  Direct p  7 -20 R-32	381 535 238 546 975 channel mpressor propeller 8.6 7.5 ~46 (/675.0 8.0 2	12		5,860 6,311 8 99 77.8	
EER PLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant	Unit Unit Unit Operatior Type Type Quantity Type Quantity Type Quantity Type Cooling Cooling Air side Type/GWI Charge Circuits Evaporate	Height Width Depth  n weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD)	mm mm kg kg l/s dBA dBA °CDB		5,307 5,848 5,035 5,422 10 56,275 98.1 77.4		7	5. 2,2 2,2 5,2 5,5 Micros Scroll co  Direct p  9. 7  -20  R-32  6. 13	381 535 546 975 channel impressor propeller 8.6 7.5 ~46 /675.0 8.0 2	12		5,860 6,311 8 99 77.8	
EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Minimum  Unit  Unit  Unit  Operation Type Type Quantity Type Quantity Airflowrate Cooling Cooling Cooling Cooling Cooling Coroling Coroling Coroling Starting current Starting current	Height Width Depth  Cooling Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD) Max	mm mm kg kg ls ls ls ls ls ls ls ls ls ls ls ls ls		5,848 5,035 5,422 10 56,275 98.1 77.4 63.0		7	5. 2,2 2,2 5,2 5,5 5,6 Microc Scroll co  Direct p  7 720 R-32 6	381 535 5238 546 975 channel mpressor propeller 8.6 7.5 ~46 /675.0 8.0 2	12		5,860 6,311 8 99 77.8 77.0	
EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Unit Unit Unit Operatior Type Type Quantity Type Quantity Type Quantity Type Cooling Cooling Air side Type/GWI Charge Circuits Evaporate	Height Width Depth  n weight  Cooling Nom. Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD)	mm mm kg kg l/s dBA dBA °CDB		5,307 5,848 5,035 5,422 10 56,275 98.1 77.4		7	5. 2, 2, 2, 5, 5, Microc Scroll co  Direct p  9. 7  -20  R-32  6  13  1, 58	381 535 546 975 channel impressor propeller 8.6 7.5 ~46 /675.0 8.0 2	12		5,860 6,311 8 99 77.8	

- > R32 refrigerant;
- > Nominal capacity up to 1,000 kW;
- > Scroll compressors;
- > Top class efficiency both at full and part load conditions;
- > Best capacity with smallest footprint;
- > Microchannel coils;
- > Glycol free option;
- > New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes.



EWFT-B-SRC



Cooling Only			EWFT							570B-SRC2			
SEER				4.778	4.329	4.602	4.713	4.715	4.662	4.899	4.823	4.782	4.972
Cooling capacity	Nom.		kW	395.2	408.4	439.1	480.6	544.2	598.2	725	762.6	851.4	947.6
Power input	Cooling	Nom.	kW	121.6	131.1	151.7	143.7	167.5	204.3	214.2	259.3	277.4	283.4
Capacity control	Method								ep				
	Minimum	capacity	%	39	21	33	18	16	14	22	20	18	17
EER				3.25	3.115	2.894	3.344	3.249	2.928	3.385	2.941	3.069	3.344
IPLV				5.281	4.858	5.084	5.074	5.096	5.148	5.329	5.347	5.309	5.414
Dimensions	Unit	Height	mm						535				
		Width	mm						238				
		Depth	mm		2,514			3,594			4,674		5,754
Weight	Unit		kg	2,336	2,379	2,464	2,942	3,134	3,298	3,917	4,116	4,219	4,830
	Operation	n weight	kg	2,479	2,527	2,612	3,113	3,320	3,484	4,187	4,386	4,506	5,217
Air heat exchanger	Type							Micro	hannel				
Compressor	Type							Scroll co	mpressor				
	Quantity			3	4	3		4		5		6	
Fan	Type							Direct p	oropeller				
	Quantity				4			6	•		8		10
	Air flow rate	Cooling Nom.	I/s		22,510			33,765			45,020		56,275
Sound power level		Nom.	dBA	87.9	87.8	88.1	89.5	89.6	89.7	90.8	90.9	91	91.9
Sound pressure level		Nom.	dBA	68		69.0	69.8	69.9	70.0	70.6	70.7	70.8	71.2
Operation range	Air side	Cooling Min.~Max.	°CDB						~46				
Refrigerant	Type/GW								2/675				
.cgc.u	Charge		kg	22.0	25.0	30.0	31.0	35.0	39.0	45.0	50.0	53.0	59.0
	Circuits	Quantity	9	1	2	1	50	55.0	33.0	2	5010	55.0	5510
Pining connections		or water inlet/outlet (OD)		<u> </u>			8.9			_	130	9.7	
Jnit	Starting current		Α	693	697	735	750	792	838	891	936	979	1,032
Jilit	Running		A	229.6	243.8	277.7	266.8	312.2	372.3	401.2	464.7	509.7	529.5
	current	Max	A	245	249	287	302	344	390	443	488	531	584
Power supply		quency/Voltage	Hz/V	243	243	207	302		0 /400	773	400	221	304
i owei suppiy	111036/116	quericy/ voitage	1 1Z/ V					3/3	0 /400				
Cooling Only			EWFT		790B-SR	C2		860B	-SRC2		96	0B-SRC2	
SEER					4.984			5.0	057			4.883	
Cooling capacity	Nom.		kW		970.4			1,0	093			1,170	
Power input	Cooling	Nom.	kW		335.4			32	9.9			409.7	
Capacity control	Method							St	ер				
	Minimum	capacity	%		15			1	14			25	
EER					2.893			3.	312			2.856	
IPLV					5.271			5.3	399			5.300	
Dimensions	Unit	Height	mm					2,	535				
		Width	mm					2,2	238				
		Depth	mm		5,848					6,928			
Weight	Unit		kg		5,220			5.7	730	- 7		6,065	
•	Operation	n weight	kg		5,607			6.	159			6,516	
					,				hannel			.,	
Air heat exchanger	ivpe								mpressor				
				1								8	
	Туре						7						
Compressor	Type Quantity						7	Direct r	propeller				
Compressor	Type Quantity Type				10		7	Direct p	oropeller	12			
Compressor	Type Quantity Type Quantity	Cooling Nom.	I/s		10 56,275		7	Direct p	oropeller	12 67.530			
Compressor	Type Quantity Type Quantity Air flow rate		I/s dBA		56,275		7		•	12 67,530		92.7	
Compressor Fan Sound power level	Type Quantity Type Quantity Air flow rate Cooling	Nom.	dBA		56,275 91.9		7	9:	2.6			92.7 71.6	
Compressor  Fan  Sound power level Sound pressure level	Type Quantity Type Quantity Air flow rate Cooling Cooling	Nom.	dBA dBA		56,275		7	9.	2.6			92.7 71.6	
Compressor  Sound power level Sound pressure level Operation range	Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side	Nom. Nom. Cooling Min.~Max.	dBA		56,275 91.9		7	9: 7 -20	2.6 1.5 ~46				
Compressor  Sound power level Sound pressure level Operation range	Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GW	Nom. Nom. Cooling Min.~Max.	dBA dBA °CDB		56,275 91.9 71.2		7	9: 7 -20 R-32	2.6 1.5 ~46 2/675			71.6	
Compressor  Sound power level Sound pressure level Operation range	Type Quantity Type Quantity Airflowrate Cooling Cooling Air side Type/GW Charge	Nom. Nom. Cooling Min.~Max.	dBA dBA		56,275 91.9		7	9. 7 -20 R-32	2.6 1.5 ~46 2/675 8.0				
Compressor  Fan  Sound power level  Sound pressure level  Operation range  Refrigerant	Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits	Nom. Cooling Min.~Max.  Quantity	dBA dBA °CDB		56,275 91.9 71.2		7	9. 7 -20 R-33	2.6 1.5 ~46 2/675 8.0			71.6	
Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits Evaporate	Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD)	dBA dBA °CDB kg		56,275 91.9 71.2 63.0		7	9. 7 -20 R-3. 6	2.6 1.5 ~46 2/675 8.0 2			71.6	
Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type/GWI Charge Circuits Evaporate Starting current	Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD) Max	dBA dBA °CDB kg		56,275 91.9 71.2 63.0		7	9. 7 -20 R-32 6.	2.6 1.5 ~46 2/675 8.0 2 9.7			71.6 77.0	
Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections Unit	Type Quantity Type Quantity Airflowrate Cooling Cooling Air side Type/GWI Charge Circuits Evaporate Starting current Running	Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD) Max Cooling Nom.	dBA dBA °CDB kg		56,275 91.9 71.2 63.0 1,078 597.9		7	9. 7 -20 R-32 6. 13	2.6 1.5 ~46 2/675 8.0 2 9.7 131			71.6 77.0 1,219 727.8	
Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GWI Charge Circuits Evaporate Starting current	Nom. Nom. Cooling Min.~Max.  Quantity or water inlet/outlet (OD) Max	dBA dBA °CDB kg		56,275 91.9 71.2 63.0		7	9. 7 -20 R-3: 6. 13 1, 61	2.6 1.5 ~46 2/675 8.0 2 9.7			71.6 77.0	

- > R32 refrigerant;
- > Nominal capacity up to 1,000 kW;
- > Scroll compressors;
- > Top class efficiency both at full and part load conditions;
- > Best capacity with smallest footprint;
- > Microchannel coils;
- > Glycol free option;

**Cooling Only** 

> New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes.



EWFT-B-XSC



EWFT 10B-XSC2 250B-XSC1 320B-XSC1 370B-XSC1 390B-XSC2 450B-XSC2 510B-XSC2 540B-XSC2 590B-XSC2 630B-XSC2

SEER					5.189	4.723	5.186	5.011	4.74	4.957	4.911	5.213	5.141	5.131
	Nom.			kW		331.9	429.6	487.6	508.5	591.6			774.8	829.5
Cooling capacity		Minne			1,326						673.7	716.2		
Power input	Cooling	Nom.		kW	351.7	87.99	108.4	131	139.3	152.6	176.8	175.2	197.5	219.9
Capacity control	Method									ер		T		
	Minimum	capacity		%	25	50	39	33	18	16	25	14	22	20
EER					3.77	3.772	3.963	3.722	3.65	3.877	3.81	4.088	3.923	3.772
IPLV					5.514	5.185	5.518	5.366	5.122	5.326	5.322	5.623	5.546	5.509
Dimensions	Unit	Height		mm					2,5	35				
		Width		mm					2.2	.38				
		Depth		mm	9,088	2,514		3,594	,		574			
Weight	Unit	Берил		kg	6,792	2,129	2,678	2,800	2,885	3,420	3,634	4,150	5,754 4,266	4,377
Weight	Operation	o woight		kg	7,331	2,272	2,851	2,975	3,064	3,658	3,904	4,520	4,636	4,747
A:		i weigiit		ĸy	7,331	2,2/2	2,031	2,973		hannel	3,904	4,320	4,030	4,/4/
Air heat exchanger														
Compressor	Туре							_	Scroll col	mpressor		1		
	Quantity				8	2		3	4			5		
Fan	Type								Direct p	ropeller				
	Quantity				16	4		6			8		10	
	Air flow rate	Cooling	Nom.	I/s	90,040	22,510		33,765		45,	020		56,275	
Sound power level	Cooling	Nom.		dBA	99.5	93.5	94.8	95.3	95.1	96.1	96.5	96.9	97.2	97.5
Sound pressure level	l Coolina	Nom.		dBA	77.6	74.4	75.1	75.6	75.4	75.9	76.3	76.2	76.5	76.8
Operation range	Air side	Cooling	Min.~Max.	°CDB						~46			,	
Refrigerant	Type/GW		Willia Widx.	CDD										
nemgerant	Charge			kg	90.0	26.0	30.0	33.0	37.0	/675 42.0	47.0	50.0	54.0	58.0
	Circuits	0		- Kg	2	20.0		33.0	37.0	42.0		2	34.0	36.0
D' - '		Quantity					1	00.0					10.7	
Piping connections			net/outlet (OD)		139.7			88.9					9.7	
Unit	Starting current			Α	1,240	647	703	746	750	803	845	858	901	944
		Cooling	Nom.	A	642.5	160.7	202.1	239.6	253.6	282.7	322.7	327.1	364.3	401.6
	current	Max		Α	792	199	255	298	302	355	397	410	453	496
Power supply	Phase/Fre	equency/\	/oltage	Hz/V					3~/50	/400				
Cooling Only				EWFT	720	B-XSC2		760B-X		83	0B-XSC2		880B-X	
SEER						5.219		5.193			5.251		5.243	
Cooling capacity	Nom.			kW		945.8		1,002			1,100		1,156	
				kW		241.8		264.5	,		284.6		307.3	
Power input	Cooling	Nom.		KVV		241.0								
Power input Capacity control	Cooling Method	Nom.		KVV		241.0		201.5	St	ер				
	Method	Nom.		%		18		17	St	ер	15		14	
Capacity control	Method					18		17		ер				
Capacity control EER	Method					18 3.912		17 3.789	1	ep	3.865		3.763	
Capacity control  EER  IPLV	Method Minimum	ı capacity		%		18		17						
Capacity control EER	Method	capacity Height		% mm		18 3.912		17 3.789	2,5	535	3.865		3.763	
Capacity control  EER  IPLV	Method Minimum	Height Width		% mm mm		18 3.912	6.024	17 3.789		535	3.865	0.000	3.763	
EER IPLV Dimensions	Method Minimum Unit	capacity Height		mm mm mm		18 3.912 5.570	6,834	17 3.789 5.518	2,5 2,2	535	3.865 5.553	8,008	3.763 5.519	
Capacity control  EER  IPLV	Method Minimum Unit	Height Width Depth		mm mm mm kg		18 3.912 5.570 4,975	6,834	17 3.789 5.518 5,086	2,5	535	3.865 5.553 5,879	8,008	3.763 5.519 5,991	
EER IPLV Dimensions	Method Minimum Unit Unit	Height Width Depth		mm mm mm		18 3.912 5.570	6,834	17 3.789 5.518	2,5	535 138	3.865 5.553	8,008	3.763 5.519	
EER IPLV Dimensions	Method Minimum Unit Unit	Height Width Depth		mm mm mm kg		18 3.912 5.570 4,975	6,834	17 3.789 5.518 5,086	2,5 2,2 Microc	335 338 hannel	3.865 5.553 5,879	8,008	3.763 5.519 5,991	
EER IPLV Dimensions	Method Minimum Unit Unit	Height Width Depth		mm mm mm kg		18 3.912 5.570 4,975	6,834	17 3.789 5.518 5,086	2,5	335 338 hannel	3.865 5.553 5,879	8,008	3.763 5.519 5,991	
Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Method Minimum Unit Unit Operation Type Type	Height Width Depth		mm mm mm kg		18 3.912 5.570 4,975	6,834	17 3.789 5.518 5,086	2,5 2,2 Microc	335 338 hannel	3.865 5.553 5,879	8,008	3.763 5.519 5,991	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger  Compressor	Method Minimum Unit Unit Operation Type Type Quantity	Height Width Depth		mm mm mm kg		18 3.912 5.570 4,975		17 3.789 5.518 5,086	2,5 2,2 Microc Scroll con	335 338 hannel mpressor	3.865 5.553 5,879		3.763 5.519 5,991	
Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Method Minimum Unit Unit Operation Type Type Quantity Type	Height Width Depth		mm mm mm kg		18 3.912 5.570 4,975	6	17 3.789 5.518 5,086	2,5 2,2 Microc Scroll con	335 338 hannel	3.865 5.553 5,879	7	3.763 5.519 5,991	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger  Compressor	Method Minimum Unit Operation Type Type Quantity Type Quantity	Height Width Depth	Nom	mm mm mm kg		18 3.912 5.570 4,975	6 12	17 3.789 5.518 5,086	2,5 2,2 Microc Scroll con	335 338 hannel mpressor	3.865 5.553 5,879	7 14	3.763 5.519 5,991	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan	Method Minimum Unit Unit Operation Type Type Quantity Type Quantity Air flow rate	Height Width Depth n weight	Nom.	mm mm kg kg		18 3.912 5.570 4,975 5,404	6	17 3.789 5.518 5,086 5,515	2,5 2,2 Microc Scroll con	335 338 hannel mpressor	3.865 5.553 5,879 6,352	7	3.763 5.519 5,991 6,464	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level	Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling	Height Width Depth n weight	Nom.	mm mm kg kg		18 3.912 5.570 4,975 5,404	6 12	17 3.789 5.518 5,086 5,515	2,5 2,2 Microc Scroll con	335 338 hannel mpressor	3.865 5.553 5,879 6,352	7 14	3.763 5.519 5,991 6,464	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling	Height Width Depth n weight e Cooling Nom.		mm mm kg kg		18 3.912 5.570 4,975 5,404	6 12	17 3.789 5.518 5,086 5,515	2,5 2,2 Microc Scroll col	hannel mpressor ropeller	3.865 5.553 5,879 6,352	7 14	3.763 5.519 5,991 6,464	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Method Minimum  Unit  Unit Operation Type Type Quantity Air flow rate Cooling Cooling Cooling Air side	Height Width Depth weight Cooling Nom. Cooling		mm mm kg kg		18 3.912 5.570 4,975 5,404	6 12	17 3.789 5.518 5,086 5,515	2,5 2,2 3 Microc Scroll col Direct p	hannel mpressor ropeller	3.865 5.553 5,879 6,352	7 14	3.763 5.519 5,991 6,464	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level	Method Minimum  Unit  Unit Operation Type Type Quantity Type Quantity Air flow rate Cooling I Cooling I Cooling Type/GW	Height Width Depth weight Cooling Nom. Cooling		mm mm kg kg		18 3.912 5.570 4,975 5,404 98 76.9	6 12	17 3.789 5.518 5,086 5,515 98.3 77.1	2,5 2,2 3 Microc Scroll col Direct p	hannel mpressor ropeller	3.865 5.553 5,879 6,352 98.7 77.2	7 14	3.763 5.519 5,991 6,464 98.9 77.4	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Air side Charge	Height Width Depth n weight e Cooling Nom. Cooling P	Min.~Max.	mm mm kg kg		18 3.912 5.570 4,975 5,404	6 12	17 3.789 5.518 5,086 5,515	2,5 2,2 3 Microc Scroll col Direct p	hannel mpressor ropeller	3.865 5.553 5,879 6,352	7 14	3.763 5.519 5,991 6,464	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Air side Charge	Height Width Depth weight Cooling Nom. Cooling	Min.~Max.	mm mm kg kg		18 3.912 5.570 4,975 5,404 98 76.9	6 12	17 3.789 5.518 5,086 5,515 98.3 77.1	2,5 2,7 2,7 Microc Scroll con Direct p	hannel mpressor ropeller	3.865 5.553 5,879 6,352 98.7 77.2	7 14	3.763 5.519 5,991 6,464 98.9 77.4	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Cooling Air side Type/GW Charge Circuits	Height Width Depth n weight  Cooling Nom. Cooling P	Min.~Max.	mm mm kg kg		18 3.912 5.570 4,975 5,404 98 76.9	6 12	17 3.789 5.518 5,086 5,515 98.3 77.1	2,5 2,2 2,2 Microc Scroll con Direct p	hannel mpressor ropeller ~46 /675	3.865 5.553 5,879 6,352 98.7 77.2	7 14	3.763 5.519 5,991 6,464 98.9 77.4	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range	Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate	Height Width Depth n weight  e Cooling Nom. Nom. Cooling P  Quantity or water in	Min.~Max.	mm mm kg kg		18 3.912 5.570 4,975 5,404 98 76.9	6 12	17 3.789 5.518 5,086 5,515 98.3 77.1	2,5 2,2 3 Microc Scroll con Direct p	hannel mpressor ropeller ~46 /675	3.865 5.553 5,879 6,352 98.7 77.2	7 14 78,785	3.763 5.519 5,991 6,464 98.9 77.4	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Method Minimum  Unit  Unit  Operation Type Type Quantity Air flow rate Cooling I Cooling I Cooling Charge Circuits Evaporate Starting current	Height Width Depth n weight e Cooling Nom. Cooling P	Min.~Max.	mm mm kg kg		18 3.912 5.570 4,975 5,404 98 76.9	6 12	17 3.789 5.518 5,086 5,515 98.3 77.1 69.0	2,5 2,2 Microc Scroll col Direct p	hannel mpressor ropeller ~46 /675	3.865 5.553 5,879 6,352 98.7 77.2	7 14	3.763 5.519 5,991 6,464 98.9 77.4	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections	Method Minimum  Unit  Unit Operation Type Type Quantity Air flow rate Cooling I Coolin	Height Width Depth weight Nom. Nom. Cooling P Quantity or water in Max Cooling	Min.~Max.	mm mm kg kg l/s dBA dBA °CDB kg		18 3.912 5.570 4,975 5,404 98 76.9 999 445.1	6 12	17 3.789 5.518 5,086 5,515 98.3 77.1 69.0	2,5 2,2 Microc Scroll col Direct p	hannel mpressor ropeller ~46 /675	3.865 5.553 5,879 6,352 98.7 77.2	7 14 78,785	3.763 5.519 5,991 6,464 98.9 77.4	
Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections Unit	Method Minimum  Unit  Unit  Operation Type Type Quantity Type Quantity Air flow rate Cooling Cooling Cooling Air side Circuits Evaporate Starting current	Height Width Depth Nom. Nom. Cooling P Quantity or water ir is Max Cooling Max	Min.~Max.  Alet/outlet (OD)  Nom.	mm mm kg kg I/s dBA dBA °CDB		18 3.912 5.570 4,975 5,404 98 76.9	6 12	17 3.789 5.518 5,086 5,515 98.3 77.1 69.0	2,5 2,7 2,7 Microc Scroll col Direct p	hannel mpressor ropeller ~46 /675	3.865 5.553 5,879 6,352 98.7 77.2	7 14 78,785	3.763 5.519 5,991 6,464 98.9 77.4	
Capacity control  EER  IPLV  Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections Unit	Method Minimum  Unit  Unit  Operation Type Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate Starting current Phase/Free	Height Width Depth n weight Nom. Cooling P Quantity or water ir Max Cooling Max equency/Neg Max Requency/Neg	Min.~Max.  Alet/outlet (OD)  Nom.  Voltage	mm mm kg kg l/s dBA dBA °CDB kg		18 3.912 5.570 4,975 5,404 98 76.9 66.0	6 12 67,530	17 3.789 5.518 5,086 5,515 98.3 77.1 69.0 1,042 482.9 594	2,5 2,7 2,2 Microc Scroll col Direct p	535 538 hannel mpressor ropeller ~46 /675 2 9.7	3.865 5.553 5,879 6,352 98.7 77.2 75.0	7 14 78,785 1,142 694	3.763 5.519 5,991 6,464 98.9 77.4 80.0	
Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections Unit	Method Minimum  Unit  Unit  Operation Type Type Quantity Air flow rate Cooling Cooling Air side Type/GW Charge Circuits Evaporate Starting current Phase/Free	Height Width Depth n weight Nom. Cooling P Quantity or water ir Max Cooling Max equency/Neg Max Requency/Neg	Min.~Max.  Alet/outlet (OD)  Nom.  Voltage	mm mm kg kg l/s dBA dBA °CDB kg		18 3.912 5.570 4,975 5,404 98 76.9 66.0	6 12 67,530	17 3.789 5.518 5,086 5,515 98.3 77.1 69.0 1,042 482.9 594	2,5 2,7 2,2 Microc Scroll col Direct p	535 538 hannel mpressor ropeller ~46 /675 2 9.7	3.865 5.553 5,879 6,352 98.7 77.2 75.0	7 14 78,785 1,142 694	3.763 5.519 5,991 6,464 98.9 77.4 80.0	

- > R32 refrigerant;
- > Nominal capacity up to 1,000 kW;
- > Scroll compressors;
- > Top class efficiency both at full and part load conditions;
- > Best capacity with smallest footprint;
- > Microchannel coils;
- > Glycol free option;

Cooling Only

> New Daikin MicroTech 4 controller.

More details and final information can be found by scanning or clicking the QR codes.



**EWFT-B-XRC** 



EWFT | 10B-XRC2 | 250B-XRC1 | 320B-XRC1 | 370B-XRC1 | 390B-XRC2 | 450B-XRC2 | 510B-XRC2 | 540B-XRC2 | 590B-XRC2 | 630B-XRC2

SEER					5.14	4.7	5.144	5.025	4.70	5.002	4.833	5.214	5.167	5.064		
Cooling capacity	Nom.			kW	1,224	306.4	403.9	451.4	484.7	553.5	620.5	673.3	721.2	765.7		
Power input	Cooling	Nom.		kW	383.2	95.79	114.4	142.5	146.9	162.7	192.9	184.1	211.7	239.6		
Capacity control	Method	NOIII.		KVV	303.2	75.77	117,7	172.3		ep	172.7	10-1.1	211.7	237.0		
Capacity Control		canacitu		%	25	50	39	33	18	16	25	14	22	20		
FED	Millimun	capacity		90												
EER					3.195	3.198	3.531	3.168	3.3	3.402	3.217	3.657	3.407	3.196		
IPLV					5.568	5.118	5.587	5.431	5.094	5.373	5.305	5.650	5.567	5.515		
Dimensions	Unit	Height		mm						535						
		Width		mm					2,2	238						
		Depth		mm	9,088	2,514		3,594		4,6	574		5,754			
Weight	Unit	•		kg	6,997	2,189	2,768	2,891	2,975	3,543	3,757	4,293	4,409 4,52			
	Operatio	n weight		kg	7,536	2,332	2,941	3,066	3,154	3,781	4,027	4,663	4,779	4,890		
Air heat exchanger		gc		9	,,550	2,552	2/2	5,000		hannel	.,02	.,005	.,,,,,	1,020		
Compressor	Турс									mpressor						
Compressor					0	2		<u> </u>	3CIOII CO							
_	Quantity				8	2		3	D: .	4			5			
Fan	Type								Direct p	ropeller		,				
	Quantity				16	4		6		8			10			
	Air flow rate	Cooling	Nom.	I/s	90,040	22,510		33,765		45,0	020		56,275			
Sound power level	Cooling	Nom.		dBA	90	84	85.4	85.7	85.6	86.8	87	87.6	87.8	87.9		
Sound pressure level		Nom.		dBA	68.1	64.9	65.7	66.0	65.9	66.5	66.7	66.9	67.1	67.2		
Operation range	Air side	Cooling	Min.~Max.	°CDB						~46			,			
Refrigerant	Type	cooming	WILL WILL	CDD						-32						
nemgerani	Charge			kg	90.0	26.0	30.0	33.0	37.0	42.0	47.0	50.0	54.0	58.0		
				кд		26.0		33.0	37.0	42.0			54.0	58.0		
	Circuits	Quantity			2		1					2				
Piping connections			nlet/outlet (OD)		139.7			88.9					9.7			
Unit	Starting current	Max		A	1,240	647	703	746	750	803	845	858	901	944		
	Running	Cooling	Nom.	A	712.9	178.3	220.3	265.6	285.1	309.9	358.4	356	400.7	445.7		
	current	Max		Α	792	199	255	298	302	355	397	410	453	496		
Power supply		equency/\	/oltage	Hz/V	,,,_		233			0 /400	55.					
1 Ower supply	T TIUSC/TT	.quericy/ v	roitage	11Z/ V					3 730	7,400						
Cooling Only				EWFT	720	B-XRC2		760B-XI	RC2	830	DB-XRC2		880B-XI	RC2		
SEER						5.159		5.121			5.293		5.181			
Cooling capacity	Nom			kW		878 7		924 2			1023		1.068			
Cooling capacity	Nom.	Nom		kW		878.7		924.2			1,023		1,068			
Power input	Cooling	Nom.		kW kW		878.7 260.1		924.2 288.3			1,023 306.6		1,068 334.8			
	Cooling Method			kW		260.1		288.3			306.6		334.8			
Power input Capacity control	Cooling Method	Nom.				260.1 18		288.3 17	St	ep	306.6		334.8 14			
Power input Capacity control	Cooling Method			kW		260.1 18 3.378		288.3 17 3.206	St	ep	306.6 15 3.335		334.8 14 3.19	1		
Power input Capacity control	Cooling Method			kW		260.1 18		288.3 17	St	ep	306.6		334.8 14	1		
Power input Capacity control	Cooling Method			kW		260.1 18 3.378		288.3 17 3.206	St	ep	306.6 15 3.335		334.8 14 3.19	1		
Power input Capacity control  EER IPLV	Cooling Method Minimum	capacity Height		kW % mm		260.1 18 3.378		288.3 17 3.206	St 2,:	ep 535	306.6 15 3.335		334.8 14 3.19	1		
Power input Capacity control  EER IPLV	Cooling Method Minimum	Height Width		kW % mm mm		260.1 18 3.378	6.834	288.3 17 3.206	St 2,:	ep	306.6 15 3.335	8,008	334.8 14 3.19	1		
Power input Capacity control  EER IPLV Dimensions	Cooling Method Minimum Unit	capacity Height		kW % mm mm mm		260.1 18 3.378 5.620	6,834	288.3 17 3.206 5.549	2,- 2,2	ep 535 238	306.6 15 3.335 5.598	8,008	334.8 14 3.19 5.563			
Power input Capacity control  EER IPLV	Cooling Method Minimum Unit	Height Width Depth		kW % mm mm mm kg		260.1 18 3.378 5.620	6,834	288.3 17 3.206 5.549 5,250	2,- 2,-	ep 535 338	306.6 15 3.335 5.598	8,008	334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight	Method Minimum Unit Unit	Height Width Depth		kW % mm mm mm		260.1 18 3.378 5.620	6,834	288.3 17 3.206 5.549	2,: 2,2	ep 535 238	306.6 15 3.335 5.598	8,008	334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Method Minimum Unit Unit Unit Operatio	Height Width Depth		kW % mm mm mm kg		260.1 18 3.378 5.620	6,834	288.3 17 3.206 5.549 5,250	St 2, 2,2	ep 535 238 channel	306.6 15 3.335 5.598	8,008	334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight	Cooling Method Minimum Unit Unit Operatio Type Type	Height Width Depth		kW % mm mm mm kg		260.1 18 3.378 5.620		288.3 17 3.206 5.549 5,250	St 2, 2,2	ep 535 238	306.6 15 3.335 5.598		334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Method Minimum Unit Unit Unit Operatio	Height Width Depth		kW % mm mm mm kg		260.1 18 3.378 5.620	6,834	288.3 17 3.206 5.549 5,250	2,; 2,z Scroll co	ep 2335 238 :hannel mpressor	306.6 15 3.335 5.598	8,008	334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity	Height Width Depth		kW % mm mm mm kg		260.1 18 3.378 5.620		288.3 17 3.206 5.549 5,250	2,; 2,z Scroll co	ep 535 238 channel	306.6 15 3.335 5.598		334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type	Height Width Depth		kW % mm mm mm kg		260.1 18 3.378 5.620	6	288.3 17 3.206 5.549 5,250	2,; 2,z Scroll co	ep 2335 238 :hannel mpressor	306.6 15 3.335 5.598	7	334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Quantity	Height Width Depth	Nom	mm mm mm kg kg		260.1 18 3.378 5.620	6 12	288.3 17 3.206 5.549 5,250	2,; 2,z Scroll co	ep 2335 238 :hannel mpressor	306.6 15 3.335 5.598	7	334.8 14 3.19 5.563	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Airflowrate	Height Width Depth n weight	Nom.	kW % mm mm kg kg		260.1 18 3.378 5.620 5,139 5,568	6	288.3 17 3.206 5.549 5,250 5,679	2,; 2,z Scroll co	ep 2335 238 :hannel mpressor	306.6 15 3.335 5.598 6,062 6,535	7	334.8 14 3.19 5.563 6,174 6,647	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Airflowratt Cooling	Height Width Depth n weight	Nom.	kW % mm mm kg kg		260.1 18 3.378 5.620 5,139 5,568	6 12	288.3 17 3.206 5.549 5,250 5,679	2,; 2,z Scroll co	ep 2335 238 :hannel mpressor	306.6 15 3.335 5.598 6,062 6,535	7	334.8 14 3.19 5.563 6,174 6,647	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit  Unit  Operatio Type Type Quantity Type Quantity Air flow rat Cooling	Height Width Depth n weight e Cooling Nom.		kW % mm mm kg kg l/s dBA dBA		260.1 18 3.378 5.620 5,139 5,568	6 12	288.3 17 3.206 5.549 5,250 5,679	2,2 2,2 2,2 Microc Scroll co	ep 5335 238 :hannel mpressor propeller	306.6 15 3.335 5.598 6,062 6,535	7	334.8 14 3.19 5.563 6,174 6,647	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	Height Width Depth n weight	Nom. Min.~Max.	kW % mm mm kg kg		260.1 18 3.378 5.620 5,139 5,568	6 12	288.3 17 3.206 5.549 5,250 5,679	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,	ep 535 538 hannel mpressor ropeller ~46	306.6 15 3.335 5.598 6,062 6,535	7	334.8 14 3.19 5.563 6,174 6,647	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level	Cooling Method Minimum  Unit  Unit  Operatio Type Type Quantity Type Quantity Air flow rat Cooling	Height Width Depth n weight e Cooling Nom.		kW % mm mm kg kg l/s dBA dBA		260.1 18 3.378 5.620 5,139 5,568	6 12	288.3 17 3.206 5.549 5,250 5,679	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,	ep 5335 238 :hannel mpressor propeller	306.6 15 3.335 5.598 6,062 6,535	7	334.8 14 3.19 5.563 6,174 6,647	3		
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling Cooling Air side	Height Width Depth n weight e Cooling Nom.		kW % mm mm kg kg l/s dBA dBA		260.1 18 3.378 5.620 5,139 5,568	6 12	288.3 17 3.206 5.549 5,250 5,679	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,	ep 535 538 hannel mpressor ropeller ~46	306.6 15 3.335 5.598 6,062 6,535	7	334.8 14 3.19 5.563 6,174 6,647			
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type Charge	Height Width Depth n weight e Cooling Nom. Cooling	Min.~Max.	kW % mm mm kg kg l/s dBA dBA °CDB		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5	6 12	288.3 17 3.206 5.549 5,250 5,679	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	ep 535 538 hannel mpressor ropeller ~46	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7	7	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8			
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit  Unit Operatio Type Quantity Type Quantity Airflowrate Cooling Cooling Cooling Cooling Coracte Circuits	Height Width Depth n weight  Cooling Nom. Cooling  Quantity	Min.~Max.	kW % mm mm kg kg l/s dBA dBA °CDB		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5	6 12	288.3 17 3.206 5.549 5,250 5,679	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	ep 5335 238 hannel mpressor oropeller ~46 32	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7	7	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8			
Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant Piping connections	Cooling Method Minimum  Unit Operatio Type Type Quantity Air flow rat Cooling Cooling Cooling Cooling Cooling Cooling Cooling Expenses Exporat	Height Width Depth n weight  e Cooling Nom. Nom. Cooling Quantity or water in	Min.~Max.	kW % mm mm kg kg l/s dBA dBA °CDB		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5 66.0	6 12	288.3 17 3.206 5.549 5,250 5,679 88.7 67.6	2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,	ep 535 538 Shannel mpressor propeller ~46 32	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7	7 14 78,785	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8			
Power input Capacity control  EER IPLV Dimensions  Weight  Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Air flow rate Cooling I Cooling Air side Type Charge Circuits Evaporat Starting urren	Height Width Depth n weight  e Cooling Nom. Nom. Cooling  Quantity or water in Max	Min.~Max.	kW % mm mm kg kg l/s dBA °CDB		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5 66.0	6 12	288.3 17 3.206 5.549 5,250 5,679 88.7 67.6	2,2,2,2 Microco Scroll co	ep 5335 238 hannel mpressor oropeller ~46 32	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7	7	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8			
Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant Piping connections	Cooling Method Minimum  Unit Unit Operatio Type Type Quantity Air flow rate Cooling I Cooling I Cooling Charge Circuits Starting curren Running	Height Width Depth Nom. Nom. Cooling Quantity or water in Max Cooling	Min.~Max.	kW % mm mm kg kg l/s dBA dBA °CDB kg A		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5 66.0	6 12	288.3 17 3.206 5.549 5,250 5,679 88.7 67.6	2,2,2,2 Microco Scroll co	ep 5335 238 hannel mpressor oropeller ~46 32	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7	7 14 78,785	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8			
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections Unit	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type Charge Circuits Sevaporat Starting current	Height Width Depth Nom. Nom. Cooling Quantity or water ir s Max Cooling Max	Min.~Max.  Alet/outlet (OD)  Nom.	kW  mm mm kg kg  I/s dBA dBA °CDB kg  A A		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5 66.0	6 12	288.3 17 3.206 5.549 5,250 5,679 88.7 67.6	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	ep 535 538 Shannel mpressor oropeller ~46 32 2 9,7	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7	7 14 78,785	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8			
Power input Capacity control EER IPLV Dimensions Weight Air heat exchanger Compressor Fan Sound power level Sound pressure level Operation range Refrigerant Piping connections	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type Charge Circuits Sevaporat Starting current	Height Width Depth Nom. Nom. Cooling Quantity or water in Max Cooling	Min.~Max.  Alet/outlet (OD)  Nom.	kW % mm mm kg kg l/s dBA dBA °CDB kg A		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5 66.0	6 12	288.3 17 3.206 5.549 5,250 5,679 88.7 67.6	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	ep 5335 238 hannel mpressor oropeller ~46 32	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7	7 14 78,785	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8			
Power input Capacity control  EER IPLV Dimensions  Weight Air heat exchanger Compressor  Fan  Sound power level Sound pressure level Operation range Refrigerant  Piping connections Unit	Cooling Method Minimum  Unit  Unit Operatio Type Type Quantity Type Quantity Air flow rate Cooling I Cooling Air side Type Charge Circuits Evaporat Starting current Phase/Free	Height Width Depth n weight Nom. Cooling Quantity or water ir is Max Cooling Max equency/N	Min.~Max.  Alet/outlet (OD)  Nom.  Voltage	kW  mm mm kg kg  I/s dBA dBA °CDB kg  A A A Hz/V		260.1 18 3.378 5.620 5,139 5,568 88.6 67.5 66.0 999 490.5 551	6 12 67,530	288.3 17 3.206 5.549 5,250 5,679 88.7 67.6 69.0	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	ep 535 538 Shannel mpressor oropeller ~46 32 2 9.7	306.6 15 3.335 5.598 6,062 6,535 89.3 67.7 75.0	7 14 78,785 1,142 694	334.8 14 3.19 5.563 6,174 6,647 89.4 67.8 80.0			



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- > Inverter chiller
- > Hermetically sealed swing inverter compressor
- > New casing for the outdoor units
- > Separate MMI-2 controller for indoor installation



More details and final information can be found by scanning or clicking the QR codes.

EWYA-DV3P

<b>Heating &amp; Cooling</b>	j			EWYA-D	004DV3P	006DV3P	008DV3P
Space cooling	A Condition 35°C	Pdc		kW		<del>-</del>	
	ηs,c			%		-	
SEER						-	
Space heating	Average	General	SCOP		4.54	4.52	4.61
•	climate water outlet 35°C		Seasonal space he eff. class	eating		A+++	
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)
Heating capacity	Nom.			kW	4.30(1)/4.60(2)	6.00(1)/5.90(2)	7.50(1)/7.80(2)
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)
•	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)
Capacity control	Method				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Variable (inverter)	., .,
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)	5.19(1)/3.14(2)
COP					5.10(1)/3.65(2)	4.85(1)/3.50(2)	4.60(1)/3.50(2)
Dimensions	Unit	Height		mm	, , ,	770	
		Width		mm		1,250	
		Depth		mm		362	
Weight	Unit			kg		88.0	
Water heat	Туре			g		Plate heat exchanger	
exchanger	Water vol	ume		1		1	
Air heat exchanger				-			
Compressor	Туре				-	Hermetically sealed swing compress	or
Compressor	Quantity					1	OI .
Fan	Type					Propeller fan	
ı aii	Quantity					1	
	Air flow	Cooling	Nom.	m³/min		<u> </u>	
	rate	Heating	Nom.	m³/min			
Sound power level		Nom.	NOIII.	dBA	61.0(1)		0(1)
Souria power iever		Nom.		dBA	58.0(1)	60.0(1)	62.0(1)
Sound pressure		Nom.		dBA	48.0(1)	49.0(1)	50.0(1)
level		Nom.		dBA	.,,	- ''	
		Cooling	Min.~Max.	°CDB	44.0(1)	47.0(1)	49.0(1)
Operation range	Air side			°CDB		10(3)~43 -25~25	
D. C	T (6)40	Heating	Min.~Max.	CDR			
Refrigerant	Type/GWF	,				R-32/675.0	
	Charge			kg		1.35	
	Control					<u>-</u>	
	Circuits	Quantity				-	
Refrigerant charge				kg		-	
Unit	current	Max		A		-	
Power supply	Phase/Fre	quency/V	'oltage	Hz/V		1~/50 /230 +/-10%	

(I)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing | (4)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (8)According to EN14825 | Depends on operation mode, refer to installation manual.





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EWYA-DV3P

<b>Heating &amp; Cooling</b>				EWYA-D	009DV3P	011DV3P	014DV3P	016DV3P						
Space cooling	A Condition 35°C	Pdc		kW	9.35	11.6	12.8	14.0						
	ηs,c			%	222	229	226	221						
SEER					5.62(8)	5.79(8)	5.71(8)	5.59(8)						
Space heating	Average	General	SCOP		4.82	4.73	4.70	4.69						
•			Seasonal space	e heating			++							
Cooling capacity	Nom.			kW	9.35(4)/9.10(5)	11.6(4)/11.5(5)	12.8(4)/12.7(5)	14.0(4)/15.3(5						
Heating capacity	Nom.	inge General SCC Sear 135°C eff. In. In. In. In. In. In. In. In. In. In		kW	9.37(6)/9.00(7)	10.6(6)/9.82(7)	12.0(6)/12.5(7)	16.0(6)/16.0(7						
Power input	Cooling	Nom.		kW	2.79(4)/1.71(5)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)						
	A Condition Pdc 35°C  ηs,c   ng Average climate water outlet 35°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routlet 45°C  routl		kW	1.91(6)/2.43(7)	2.18(6)/2.68(7)	2.46(6)/3.42(7)	3.53(6)/4.56(7)							
Capacity control							(inverter)	3.33(0)/ 1.30(/)						
EER	Method				3.35(4)/5.34(5)	3.26(4)/5.31(5)	3.16(4)/5.04(5)	3.06(4)/4.74(5)						
COP	sions Unit Height				4.91(6)/3.71(7)	4.83(6)/3.66(7)	4.87(6)/3.64(7)	4.53(6)/3.51(7)						
Dimensions				mm	1.71(0)/ 3.71(7)		70	7.55(0)/ 5.51(7)						
Difficitions	Offic			mm										
				mm	1,380 460									
Weight	Heit	рерип			460									
Water heat				kg	Plate heat exchanger									
exchanger							exchanger 2							
		ume		- 1	11:		<del>-</del>	1						
					High efficiency fin and tube type with integral subcooler  Hermetically sealed swing inverter compressor									
Compressor	Depth Unit t Type Water volume schanger Type or Type Quantity				Hermetically sealed swing inverter compressor									
_	A Condition Pdc 35°C 7s,c  Average climate water outlet 35°C  y Nom.  Cooling Nom. Heating Nom.  Unit Height Width Depth  Unit Type Water volume  ger Type Quantity Type Quantity Type Quantity Air flow rate Air flow Heating Nom. Heating Nom. Cooling Nom. Heating Nom. Cooling Nom. Heating Nom. Cooling Nom. Heating Nom. Cooling Nom. Heating Nom. Cooling Nom. Heating Nom. Cooling Nom. Heating Nom. Type/GWP Charge Control Circuits Quantity Ge Per circuit						1							
Fan							ller fan							
		- "		3, ,			1							
	pacity Nom.  In Cooling Nom.  Heating Nom.  Heating Nom.  Ontrol Method  Ins Unit Height Width Depth  Unit Type Water volume  Ins Unit Height Width Depth  Unit Type Water volume  Ins Unit Height Width Depth  Unit Type Water volume  Ins Unit Height Width Depth  Unit Type Water volume  Ins Unit Height Width Depth  Unit Type Water volume  Ins Unit Height Width Depth  Unit Heating Nom.  Ins Unit Height Width Depth  Unit Height Width Depth  Unit Type Water volume  Ins Unit Height Width Depth  Unit Height Width Depth  Unit Height Width Depth  Unit Height Width Depth  Unit Type Water volume  Ins Unit Height Width Depth D		m³/min	63	70	85								
			Nom.	m³/min	48.0	55.8	70.4	85.0						
Sound power level				dBA	65.5	67.0	69	9.0						
				dBA		1	-							
Sound pressure				dBA	44.0	47.7	50.8	51.0						
level	Heating			dBA			-							
Operation range	anger Water volume  eat exchanger Type  oressor Type Quantity  Type Quantity  Air flow rate Heating Nom. Heating Nom. d pressure Cooling Nom. Heating Nom. Heating Nom. Heating Nom. Heating Nom. Cooling Nom. Heating Nom. Heating Nom. Heating Nom. Cooling Nom. Heating Nom. Heating Nom. Heating Nom. Cooling Nom. Heating Nom. Heating Nom.		Min.~Max.	°CDB		10-	~43							
		Heating	Min.~Max.	°CDB		-25	~25							
Refrigerant	acapacity Nom. I capacity Nom.				R-32/675.0									
	Charge			kg			-							
	Control					Electronic ex	pansion valve							
	Circuits	Quantity					1							
Refrigerant charge	Per circuit	t		kg		3.	80							
Unit	Running			A		30	0.8							

(I)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing | (4)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (8)According to EN14825 | Depends on operation mode, refer to installation manual.





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More details and final information can be found by scanning or clicking the QR codes.



SEER Space heating Averacima outle Cooling capacity Nor Heating capacity Nor Power input Coo Hea Capacity control Met EER COP Dimensions Unit Weight Unit Water heat Typ	erage General anate water relet 35°C or m. com. com. com. com. cothing Nom. cethod with the complete with the complete with the complete water volume pe	SCOP Seasonal space eff. class	kW % e heating kW kW kW kW kW look kW kW look	9.35  222  5.62(5)  4.82  9.35(1)/9.10(2)  9.37(3)/9.00(4)  2.79(1)/1.71(2)  1.91(3)/2.43(4)  3.35(1)/5.34(2)  4.91(3)/3.71(4)	11.6  229  5.79(5)  4.73  A+  11.6(1)/11.5(2)  10.6(3)/9.82(4)  3.56(1)/2.17(2)  2.18(3)/2.68(4)  Variable ( 3.26(1)/5.31(2)  4.83(3)/3.66(4)  87  1,3  46  Plate heat	12.8(1)/12.7(2) 12.0(3)/12.5(4) 4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) (0) 80 60 67	14.0 221 5.59(5) 4.69  14.0(1)/15.3(2) 16.0(3)/16.0(4) 4.58(1)/3.24(2) 3.53(3)/4.56(4)  3.06(1)/4.74(2) 4.53(3)/3.51(4)
SEER  Space heating Averacima outle Cooling capacity Nor Power input Cooling Capacity Cooling Capacity Cooling Capacity Control Met EER COP Dimensions Unit Weight Unit Water heat Type exchanger Wat Air heat exchanger Typ Compressor Typ Quarent Cooling Co	erage General anate water let 35°C om. om. ooling Nom. eating Nom. ethod  hit Height Width Depth hit pe ater volume pe	Seasonal space	e heating kW kW kW mm mm	5.62(5) 4.82 9.35(1)/9.10(2) 9.37(3)/9.00(4) 2.79(1)/1.71(2) 1.91(3)/2.43(4) 3.35(1)/5.34(2)	5.79(5) 4.73 A+  11.6(1)/11.5(2) 10.6(3)/9.82(4) 3.56(1)/2.17(2) 2.18(3)/2.68(4) Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87 1,3 46	5.71(5) 4.70 ++ 12.8(1)/12.7(2) 12.0(3)/12.5(4) 4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60 67	5.59(5) 4.69 14.0(1)/15.3(2) 16.0(3)/16.0(4) 4.58(1)/3.24(2) 3.53(3)/4.56(4) 3.06(1)/4.74(2)
Space heating dima outle  Cooling capacity Nor Heating capacity Nor Heating capacity Nor Heating Cooli	nate water let 35°C  om.  om.  ooling Nom. eating Nom. ethod  hit Height Width Depth hit pe ater volume pe	Seasonal space	kW kW kW kW	4.82 9.35(1)/9.10(2) 9.37(3)/9.00(4) 2.79(1)/1.71(2) 1.91(3)/2.43(4) 3.35(1)/5.34(2)	4.73 A+  11.6(1)/11.5(2) 10.6(3)/9.82(4) 3.56(1)/2.17(2) 2.18(3)/2.68(4) Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87 1,3 46	4.70 ++ 12.8(1)/12.7(2) 12.0(3)/12.5(4) 4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60 67	4.69 14.0(1)/15.3(2) 16.0(3)/16.0(4) 4.58(1)/3.24(2) 3.53(3)/4.56(4) 3.06(1)/4.74(2)
clima outle Cooling capacity Nor Heating capacity Nor Power input Cook Heat Capacity control Met EER COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Qua	nate water let 35°C  om.  om.  ooling Nom. eating Nom. ethod  hit Height Width Depth hit pe ater volume pe	Seasonal space	kW kW kW kW	4.82 9.35(1)/9.10(2) 9.37(3)/9.00(4) 2.79(1)/1.71(2) 1.91(3)/2.43(4) 3.35(1)/5.34(2)	4.73 A+  11.6(1)/11.5(2) 10.6(3)/9.82(4) 3.56(1)/2.17(2) 2.18(3)/2.68(4) Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87 1,3 46	4.70 ++ 12.8(1)/12.7(2) 12.0(3)/12.5(4) 4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60 67	4.69 14.0(1)/15.3(2) 16.0(3)/16.0(4) 4.58(1)/3.24(2) 3.53(3)/4.56(4) 3.06(1)/4.74(2)
clima outle Cooling capacity Nor Heating capacity Nor Power input Cook Heat Capacity control Met EER COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Qua	nate water let 35°C  om.  om.  ooling Nom. eating Nom. ethod  hit Height Width Depth hit pe ater volume pe	Seasonal space	kW kW kW kW	9.35(1)/9.10(2) 9.37(3)/9.00(4) 2.79(1)/1.71(2) 1.91(3)/2.43(4) 3.35(1)/5.34(2)	A+  11.6(1)/11.5(2) 10.6(3)/9.82(4) 3.56(1)/2.17(2) 2.18(3)/2.68(4)  Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87  1,3 46	12.8(1)/12.7(2) 12.0(3)/12.5(4) 4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60 67	14.0(1)/15.3(2) 16.0(3)/16.0(4) 4.58(1)/3.24(2) 3.53(3)/4.56(4) 3.06(1)/4.74(2)
Heating capacity Nor Power input Coc Hea Capacity control Met EER COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	om.  poling Nom. peating Nom. pethod  hit Height Width Depth hit pe ater volume pe		kW kW kW	9.37(3)/9.00(4) 2.79(1)/1.71(2) 1.91(3)/2.43(4) 3.35(1)/5.34(2)	10.6(3)/9.82(4) 3.56(1)/2.17(2) 2.18(3)/2.68(4) Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4) 87 1,3	12.0(3)/12.5(4) 4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) (70 80 60 67	16.0(3)/16.0(4) 4.58(1)/3.24(2) 3.53(3)/4.56(4) 3.06(1)/4.74(2)
Heating capacity Nor Power input Coc Hea Capacity control Met EER COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	ooling Nom. eating Nom. ethod  hit Height Width Depth hit pe ater volume pe		kW kW	2.79(1)/1.71(2) 1.91(3)/2.43(4) 3.35(1)/5.34(2)	3.56(1)/2.17(2) 2.18(3)/2.68(4) Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87 1,3 46	4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60 67	16.0(3)/16.0(4) 4.58(1)/3.24(2) 3.53(3)/4.56(4) 3.06(1)/4.74(2)
Power input Coc Hea Capacity control Met EER COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	nit Height Width Depth Dethoit pe ater volume pe		mm mm mm	2.79(1)/1.71(2) 1.91(3)/2.43(4) 3.35(1)/5.34(2)	3.56(1)/2.17(2) 2.18(3)/2.68(4) Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87 1,3 46	4.06(1)/2.51(2) 2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60 67	4.58(1)/3.24(2) 3.53(3)/4.56(4) 3.06(1)/4.74(2)
Hea Capacity control Met EER COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	nit Height Width Depth Dit pe ater volume		mm mm mm	1.91(3)/2.43(4) 3.35(1)/5.34(2)	2.18(3)/2.68(4) Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87 1,3 46	2.46(3)/3.42(4) (inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) (0 80 60 67	3.53(3)/4.56(4) 3.06(1)/4.74(2)
Capacity control Met EER COP Dimensions Uni Weight Uni Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	nit Height Width Depth Dit pe ater volume		mm mm	3.35(1)/5.34(2)	Variable ( 3.26(1)/5.31(2) 4.83(3)/3.66(4)  87 1,3 46	(inverter) 3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60	3.06(1)/4.74(2)
EER COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	nit Height Width Depth nit pe ater volume		mm mm		3.26(1)/5.31(2) 4.83(3)/3.66(4) 87 1,3 46	3.16(1)/5.04(2) 4.87(3)/3.64(4) 70 80 60	
COP Dimensions Unit Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	Width Depth nit pe ater volume pe		mm mm		4.83(3)/3.66(4) 87 1,3 46 14	4.87(3)/3.64(4) 70 80 60	
Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	Width Depth nit pe ater volume pe		mm mm		87 1,3 46 14	70 80 60	
Weight Unit Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	Width Depth nit pe ater volume pe		mm mm		1,3 46 14	80 50 7	
Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	Depth nit pe ater volume pe		mm		46 14	50 7	
Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	nit pe ater volume pe				14	7	
Water heat Typ exchanger Wat Air heat exchanger Typ Compressor Typ Qua	pe ater volume pe		l I				
exchanger Wat Air heat exchanger Typ Compressor Typ Qua	ater volume pe		1		riale lieal		
Air heat exchanger Typ Compressor Typ Qua	pe		1		2		
Compressor Typ Qua	•			Ш	igh efficiency fin and tube		lor
Qua	pe			П	Hermetically sealed swi	,, <u> </u>	ilei
					Hermetically sealed swi	ng inverter compressor	
					D1	I C	
	•				Propel		
	uantity		3, .		1		
Air 1 rate	r flow Cooling		m³/min	63	70		85
	ricating	Nom.	m³/min	48.0	55.8	70.4	85.0
Sound power level Coo			dBA	65.5	67.0		9.0
level	ooling Nom.		dBA	44.0	47.7	50.8	51.0
Operation range Air :	r side <u>Cooling</u>		°CDB		10 ~	-43	
	Heating	g Min.~Max.	°CDB		-25		
Wat	ater Cooling	g Min.~Max.	°CDB		5 ~	22	
side	de Heatin	g Min.~Max.	°CDB		9 (6)~	60 (6)	
Refrigerant Typ	pe/GWP				R-32/	675.0	
	ontrol				Electronic exp	pansion valve	
Circ	rcuits Quanti	.y			1		
Refrigerant charge Per	r circuit		kg		3.8	30	
J J 1			TCO2Eq		2.	6	
	inning Max irrent		A		14		
	ase/Frequency	/Voltage	Hz/V		3~/50	/400	

(I)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)  $LWC\ 45^{\circ}C\ (Dt=5^{\circ}C)\ |\ (5)According\ to\ EN14825\ |\ (6)For\ more\ details, see\ operation\ range\ drawing\ |\ Depends\ on\ operation\ mode,\ refer\ to\ installation\ manual.$ 





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Heating & Cooling			EWYA-D	009DW1P-H-	011DW1P-H-	014DW1P-H-	016DW1P-H-
Space cooling	A Condition 35°C	n Pdc	kW	9.35	11.6	12.8	14.0
	ηs,c		%	222	229	226	221
SEER				5.62(5)	5.79(5)	5.71(5)	5.59(5)
Space heating	Average	General	SCOP	4.82	4.73	4.70	4.69
<b>*</b>	climate wate outlet 35°C	r	Seasonal space heating eff. class		A+	++	1
Cooling capacity	Nom.		kW	9.35(1)/9.10(2)	11.6(1)/11.5(2)	12.8(1)/12.7(2)	14.0(1)/15.3(2)
leating capacity	Nom.		kW	9.37(3)/9.00(4)	10.6(3)/9.82(4)	12.0(3)/12.5(4)	16.0(3)/16.0(4)
Power input	Cooling	Nom.	kW	2.79(1)/1.71(2)	3.56(1)/2.17(2)	4.06(1)/2.51(2)	4.58(1)/3.24(2)
·	Heating	Nom.	kW	1.91(3)/2.43(4)	2.18(3)/2.68(4)	2.46(3)/3.42(4)	3.53(3)/4.56(4)
Capacity control	Method			,,,,,		(inverter)	, , , , ,
EER				3.35(1)/5.34(2)	3.26(1)/5.31(2)	3.16(1)/5.04(2)	3.06(1)/4.74(2)
COP				4.91(3)/3.71(4)	4.83(3)/3.66(4)	4.87(3)/3.64(4)	4.53(3)/3.51(4)
Dimensions	Unit	Height	mm	(-, (,		70	
		Width	mm			880	
		Depth	mm			60	
Weight	Unit	Берин	kg			47	
Water heat	Туре					exchanger	
exchanger	Water vo	lume	1			2	
Air heat exchanger			•	Hi	igh efficiency fin and tube	type with integral subcoo	ler
Compressor	Туре					ing inverter compressor	
compressor	Quantity				Tiermeticully sealed sw	1	
Fan	Type				Prone	ller fan	
· un	Quantity				· ·	1	
	Air flow	Cooling	Nom. m³/min	63	70	,	35
	rate	Heating	Nom. m³/min	48.0	55.8	70.4	85.0
Sound power level	Cooling	Nom.	dBA	65.5	67.0		9.0
Sound pressure level	Cooling	Nom.	dBA	44.0	47.7	50.8	51.0
Operation range	Air side	Cooling	Min.~Max. °CDB		10.	~43	
operation range	All side	Heating	Min.~Max. °CDB		· · · · · · · · · · · · · · · · · · ·	~25	
	Water	Cooling	Min.~Max. °CDB			-22	
	side	Heating	Min.~Max. °CDB			·60 (6)	
Refrigerant	Type/GW		WIIII WIAX. CDD			/675.0	
herrigerant	Control	Г				pansion valve	
	Circuits	Quantity				pansion vaive 1	
Oofrigarant charas			1			<u>1</u> 80	
Refrigerant charge	rer circui	ι	kg				
Unit	Running current	Max	TC02Eq A			.6 I.0	
Power cupply		equency/V	oltage Hz/V		2 /5/	0 /400	
Power supply				C. ambient conditions 35°CDR	1/2)/Candition-Ta DR AVR 79/C /69/		

(I)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (3)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (4) LWC 45°C (Dt=5°C) | (5)According to EN14825 | (6)For more details, see operation range drawing | Depends on operation mode, refer to installation manual.





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<b>Heating &amp; Cooling</b>				EWYA-D	004DV3P-H	006DV3P-H	008DV3P-H	009DV3P-H-	011DV3P-H-	014DV3P-H-	016DV3P-H-				
Space cooling	A Condition 35°C	n Pdc		kW		-		9.35	11.6	12.8	14.0				
	ηs,c			%		-		222	229	226	221				
SEER						-		5.62(8)	5.79(8)	5.71(8)	5.59(8)				
Space heating	Average	General	SCOP		4.54	4.52	4.61	4.82	4.73 4.70 4.6						
·	climate wate outlet 35°C	r	Seasonal space eff. class	heating				A+++							
Cooling capacity	Nom.			kW	4.86(1)/4.52(2)	5.83(1)/5.09(2)	6.18(1)/5.44(2)	9.35(4)/9.10(5)	11.6(4)/11.5(5)	12.8(4)/12.7(5) 14.0(4)/15.3					
Heating capacity	Nom.			kW	4.30(1)/4.60(2)	6.00(1)/5.90(2)	7.50(1)/7.80(2)	9.37(6)/9.00(7)	10.6(6)/9.82(7)	12.0(6)/12.5(7)	16.0(6)/16.0(7)				
Power input	Cooling	Nom.		kW	0.820(1)/1.36(2)	1.08(1)/1.55(2)	1.19(1)/1.73(2)	2.79(4)/1.71(5)	3.56(4)/2.17(5)	4.06(4)/2.51(5)	4.58(4)/3.24(5)				
•	Heating	Nom.		kW	0.840(1)/1.26(2)	1.24(1)/1.69(2)	1.63(1)/2.23(2)	1.91(6)/2.43(7)	2.18(6)/2.68(7)	2.46(6)/3.42(7)	3.53(6)/4.56(7)				
Capacity control	Method				,,,,,	, , , , ,	V	ariable (inverte	er)	, , , , ,	, , , , ,				
EER					5.91(1)/3.32(2)	5.40(1)/3.28(2)				3.16(4)/5.04(5)	3.06(4)/4.74(5)				
COP															
Dimensions	Unit	Heiaht		mm	,	770	,	(4)			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
						1,250			1,3	380					
Weight	Unit				88.0										
Water heat						Plate heat exchanger									
exchanger		ume		1		1				2					
Air heat exchanger	Type					_		High efficiend	v fin and tube	type with inte	gral subcooler				
Compressor					Hermeticall	v sealed swing	compressor	7							
						, <u></u>		1							
Fan	Type				Propeller fan										
								1							
	Air flow	Cooling	Nom.	m³/min		-		63	70	85					
	rate	Heating	Nom.	m³/min		_		48.0	55.8	70.4	85.0				
Sound power level	Cooling				61.0(1)	62.	0(1)								
					- ''	-	- ( )			-					
Sound pressure						.,		44.0	47.7	50.8	51.0				
level	A Condition Pdc 35°C  ηs,c  Average climate water outlet 35°C  ity Nom.  Cooling Nom. Heating Nom.  Ol Method  Unit Height Width Depth  Unit Type Water volume  Inger Type Quantity  Type Quantity  Air flow rate Heating Nom.  Evel Cooling Nom.  Evel Cooling Nom.				1.7	. ,				-					
Operation range			Min.~Max.		KW   -				10-	~43					
.,			Min.~Max.			• • • • • • • • • • • • • • • • • • • •									
Refrigerant	Type/GW						- 9.35 11.6 12.8 14.0  - 222 229 226 221  - 5.62(8) 5.79(8) 5.71(8) 5.59(8)  4.52 4.61 4.82 4.73 4.70 4.69  A+++  1)/5.09(2) 6.18(1)/5.44(2) 9.35(4)/9.10(5) 11.6(4)/11.5(5) 12.8(4)/12.7(5) 14.0(4)/15.3(1)/5.90(2) 7.50(1)/7.80(2) 9.37(6)/9.00(7) 10.6(6)/9.82(7) 12.0(6)/12.5(7) 16.0(6)/16.0(1)/1.55(2) 1.19(1)/1.73(2) 2.79(4)/1.71(5) 3.56(4)/2.17(5) 4.06(4)/2.51(5) 4.58(4)/3.24(1)/1.69(2) 1.63(1)/2.23(2) 1.91(6)/2.43(7) 2.18(6)/2.68(7) 2.46(6)/3.42(7) 3.53(6)/4.56  Variable (inverter)  1)/3.28(2) 5.19(1)/3.14(2) 3.35(4)/5.34(5) 3.26(4)/5.31(5) 3.16(4)/5.04(5) 3.06(4)/4.74(1)/3.50(2) 4.60(1)/3.50(2) 4.91(6)/3.71(7) 4.83(6)/3.66(7) 4.87(6)/3.64(7) 4.53(6)/3.51(6)/3.5								
				ka		1.35				29 226 22 29(8) 5.71(8) 5.59 73 4.70 4.6 711.5(5) 12.8(4)/12.7(5) 14.0(4)/1 79.82(7) 12.0(6)/12.5(7) 16.0(6)/1 72.17(5) 4.06(4)/2.51(5) 4.58(4)/2 72.68(7) 2.46(6)/3.42(7) 3.53(6)/4 75.31(5) 3.16(4)/5.04(5) 3.06(4)/4 75.31(5) 3.16(4)/5.04(5) 3.06(4)/4 76.31(5) 3.16(4)/5.04(5) 3.06(4)/4 77.380 460 147 2 1.380 460 147 2 1.380 149 2 140 tube type with integral subcalled swing inverter compressor					
									Flectronic ex	pansion valve					
		Quantity				_				1					
Refrigerant charge				ka						80					
Unit										0.8					
Power supply		equency/V	oltage	Hz/V	1.	~/50 /230 +/-10	%		1~/50	0 /230					

(I)Condition 1: cooling Ta 35°C - LWE 18°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (2)Condition 2: cooling Ta 35°C - LWE 7°C (DT = 5°C); heating Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (3)For more details, see operation range drawing | (4)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (5)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB | (6)Condition: Ta DB/WB 7°C/6°C - LWC 35°C (DT = 5°C) | (7)Condition: Ta DB/WB 7°C/6°C - LWC 45°C (DT = 5°C) | (8)According to EN14825 | Depends on operation mode, refer to installation manual.





## EWYT-B

#### Multi scroll heat pumps with R-32 refrigerant

- Top class efficiency, SEER up to 4.92 and SCOP up to 4.06
- ✓ Low environmental impact thanks to R-32 refrigerant
- Dedicated Scroll Compressors for hot water production up 60°C
- ✓ The Global Warming Potential (GWP) of R-32 refrigerant is 675, which is only one third compared to commonly used refrigerant R-410
- The low GWP R-32 refrigerant falls into category class A2L in ISO817 and it can be safely used in many applications including chilled water systems
- As a single component refrigerant, R-32 is also easier to recycle and reuse another environmental plus in its favour

- Wide capacity range: 80 650 kW
- Optimized Copper -Aluminium Coils improving performances and de-frosting operation
- Silver and Gold efficiency versions
- ▼ 3 sound configurations
- 2 different layouts: Parallel Coil and Double V Coil
- ✓ One or Two independent refrigerant circuits
- ▼ Full compatibility with Daikin on Site
- Extensive option lists
- ▼ Fan speed modulation option (VFD)

## Connectivity

#### Daikin on Site

Fully compatible with Daikin on Site cloud based platform that allows a number of advanced functionalities including:

- > Remote monitoring
- > System optimization
- > Preventive maintenance
- > Remote access with one click via LAN or 4G LTE router

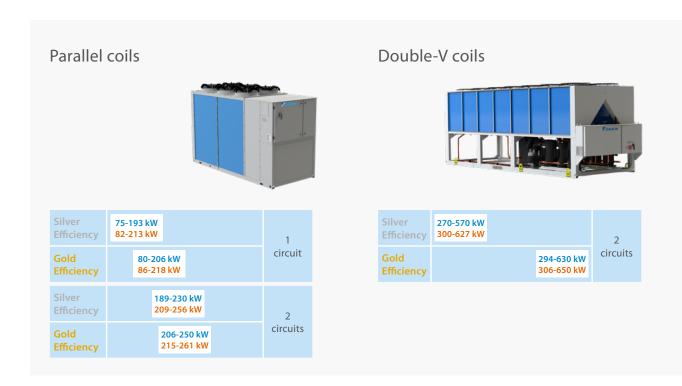
#### Connection to Intelligent Chiller Manager

Daikin can offer the Intelligent Chiller Manager option, allowing energy optimisation of the system and, when necessary, full customization of the control solutions to the specific installation's needs even in case of more complex installation.

- > High number of units
- > Cooling and Heating mode
- > Peripheral controls



#### Layouts & Range overview



# Extensive option lists Including new options:

#### Partial heat recovery

Introduction of condensation control allowing to mantain heat recovery capacity at lower ambient temperatures with unit operating at full capacity

#### **Buffer tank**

Unit mounted buffer tank available all across the range for plug and play solution.

#### VFD pumps and variable flow control

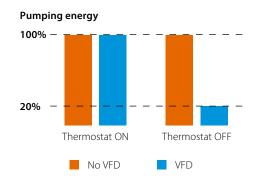
- > Variable pump speed control via extenral 0-10 volt signal
- > "Thermostat on" and "thermostat off" pump speed management
- > Variable primary flow control

#### Master/Slave supplied as standard

Master/Slave functionality allowing to manage up to 4 units on the same system without the need of external control devices.

#### Fan Silent Mode

The parallel coil units and units with VFD option are standardly equipped with Fan Silent Mode, which reduces fan velocity and therefore unit sound emission on scheduled time bands, enhancing comfort during night operation.





# Air cooled multi-scroll heat pump, standard efficiency, standard/low sound

- > First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > One or two truly independent refrigerant circuits for outstanding reliability
- MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- > Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- > Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- > Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



More details and final information can be found by scanning or clicking the QR codes.





EWYT-B-SL

Heating & Cooling	)		EWYT-B-SS/SL	085	105	135	175	205	215	235	255	300	340	390	430	490	540	590	630	300- VFDFAN	340- VFDFAN	390- VFDFAN	430- VFDFAN	490- VFDFAN	540- VFDFAN	590- VFDFAN	630- VFDFA
SEER				3.9	3.98	3.9	4.01	3.96	3.9	3.96	3.9	3.99	4.1	3.99	4	4.2	23	4.17	4.25	4.16	4.28	4.16	4.12	4.37	4.35	4.29	4.38
Space heating	Average	General	SCOP	3.34	3.41	3.36	3.40	3.37	3.40	3.34	3.29	3.27	3.28	3.35	3.33	3.37	3.35	3.38	3.37	3.38	3.39	3.46	3.44	3.47	3.46	3.50	3.4
<b>*</b>	climate water outlet 35°C		Seasonal space heating eff. class	1	۸+													-									_
Cooling capacity	Nom.		kW	75	98	120	153	189	193	212	230	270	317	350	375	434	482	531	570	270	317	350	375	434	482	531	570
Heating capacity	Nom.		kW	82.24	106.24	132.23	169.8	209.28	213.33	236.16	256.09	300.01	342.79	389.93	432.79	486.98	541.54	591.29	627.45	300.01	342.79	389.93	432.79	486.98	541.54	591.29	627.4
Power input	Cooling	Nom.	kW	28	36.6	44.6	57.8	71.3	72.1	78.7	86.4	102	117	132	147	171	192	206	219	102	117	133	147	171	192	207	219
	Heating	Nom.	kW	28.16	36.5	45.26	58.94	72.36	73.82	82.07	86.96	104.12	116.23	135.61	150.48	166.78	185.15	201.91	214.4	104.41	116.59	136.09	150.96	167.26	185.62	202.51	215
Capacity control	Method															S	tep										
	Minimum c	apacity	%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17	22	19	17	25	22	19	18	17
EER				2.69	2.68	2.7	2.65	2.66	2.67	2.69	2.67	2.65	2.69	2.63	2.55	2.54	2.51	2.57	2.6	2.64	2.69	2.62	2.54	2.53	2.5	2.56	2.59
COP				2.92	2.911	2.922	2.881	2.892	2.89	2.877	2.945	2.882	2.949	2.875	2.876	2.92	2.925	2.928	2.927	2.873	2.94	2.865	2.867	2.911	2.917	2.92	2.91
IPLV				4.43	4.4	4.32	4.28	4.33	4.36	4.31	4.35	4.2	4.31	4.2	4.31	4.46	4.52	4.44	4.53	4.35	4.67	4.45	4.54	4.68	4.71	4.73	4.8
Dimensions	Unit	Height	mm				1,8	00												2,5	514						
		Width	mm				1,1	95												2,2	82						
		Length	mm	2,225	2,825	3,	125	4,350	4,025	4,9	950	3,2	225		4,1	125		5,0	25	3,2	25		4,1	25		5,0	025
Weight (SS)	Unit		kg	955	1,065	1,165	1,320	1,5	00	1,800	1,825	2,100	2,250	3,180	3,190	3,180	3,370	4,2	67	2,100	2,250	3,180	3,190	3,180	3,370	4,2	267
	Operation	weight	kg	962	1,072	1,172	1,327	1,5	511	1,811	1,839	2,114	2,270	3,200	3,210	3,207	3,397	4,302	4,308	2,114	2,270	3,200	3,209.71	3,207.27	3,397.27	4,302.37	4,308.0
Weight (SL)	Unit		kg	985	1,095	1,195	1,350	1,5	30	1,830	1,855	2,260	2,410	3,340	3,350	3,340	3,530	4,4	27	2,260	2,410	3,340	3,190	3,180	3,370	4,2	267
	Operation	weight	kg	992	1,102	1,202	1,357	1,5	41	1,841	1,869	2,274	2,430	3,360	3,370	3,367	3,557	4,462	4,468	2,274	2,430	3,360	3,209.71	3,207.27	3,397.27	4,302.37	4,308.0
Water heat	Type			g   992   1,102   1,202   1,357   1,541   1,841   1,869   2,274   2,430   3,360   3,370   3,357   3,557   4,462   4,468   2,274   2,430   3,360   3,20   Plate heat exchanger																							
exchanger	Water volui	me	I			7			11		1.	4		20		2	7	35	41	14		20		2	.7	35	41
	Water flow rate	Cooling	Nom. I/s	3.6	4.7	5.8	7.3	9	9.2	10.1	11	12.9	15.1	16.7	17.9	20.7	23	25.3	27.2	12.9	15.1	16.7	17.9	20.7	23	25.3	27.2
	Water pressure drop	Cooling	Nom. kPa	14.9	24.1	35.1	54	45	46.4	55.1	45.1	60.2	49.2	58.8	66.7	58.7	71.2	58.3	66.1	60.2	49.2	58.8	66.7	58.7	71.2	58.3	66.1
Air heat exchanger	Type												Hi	gh e	efficie	ency	fin a	and t	ube	type							
Compressor	Type														Scr	oll co	omp	resso	or								
	Quantity					2		4	2			4	4			5		6			4	4		5		6	
Fan	Type														Di	rect	prop	oelle	r								
	Quantity			4	6		8	1	0	1	2	5	6		8	8		10	)	5	6		8	3		1	10
	Air flow rate	Nom.	l/s	6,888	10,809	14,412	13,777	17,220	17,221	20,	664	28,003	33,604	46,	854	45,830	44,806	57,288	56,008	28,003	33,604	46,	854	45,830	44,806	57,288	56,00
	Speed		rpm				1,3	60												90	00						
Sound power level (SS	) Cooling	Nom.	dBA	84	87	89	91	90	92	91	92	94	95	96	96.3	96.6	96.8	97.5	97.8	94	94.9	95.9	96.3	96.6	96.8	97.5	97.8
Sound power level (SL	) Cooling	Nom.	dBA	83	85	87	8	8		89		91	92	93	92	2.9	93	93	.9	90.8	91.6	92.8	92	2.9	93	93	3.9
Sound pressure level (SS	) Cooling	Nom.	dBA	66	69	71	73	71	74	72	73	74	75	76	76.3	76.6	76.8	77.1	77.4	74.5	75.4	75.9	76.3	76.6	76.8	77.1	77.4
Sound pressure level (SL	) Cooling	Nom.	dBA	65	67	69	70	69		70		71	72	73	72	2.9	73	73	.5	71.3	72.1	72.8	72	2.9	73	73	3.5
Refrigerant	Type															F	₹-32										
	Charge (SS)	)	kg	12.7	15.8	18.5	26	34	34.8	37.2	41.4	41.7	48	47.1	48.6	60.3	70	78.5	87	41.7	48	47.1	48.6	60.3	70	78.5	87
	Charge (SL)	)	kg	12.7	15.8	18.5	26	34	34.8	37.2	41.4	39.9	48	48.1	48.6	50	70	78.5	80	39.9	48	48.1	48.6	50	70	78.5	80
	Circuits	Quantity	у			1		2	1											2							
Piping connections	Evaporator	water inl	et/outlet (OD)							88	3.9							114	.3			88	3.9			114	4.3
Unit	Starting current	Max	А	211.0	327.0	343.0	464.0	408.0	495.0	425.0	439.0	564.0	598.0	636.0	666.0	712.0	757.0	795.0	825.0	564	598	636	666	712	757	795	825
	Running current	Cooling	Nom. A	54.0	66.0	76.0	99.0	125.0	123.0	133.0	146.0	174.0	198.0	227.0	253.0	291.0	328.0	353.0	372.0	175	198	228	253	292	329	354	373
Unit	Running current	Max	A	68.0	85.0	101.0	131.0	166.0	163.0	183.0	197.0	232.0	266.0	304.0	334.0	379.0	425.0	463.0	493.0	232	266	304	334	379	425	463	493
				-										_	_			_									



## Air cooled multi-scroll heat pump, standard efficiency, reduced sound

- > First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > One or two truly independent refrigerant circuits for outstanding reliability
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- > Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- > Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



More details and final information can be found by scanning or clicking the QR codes.



<b>Heating &amp; Cooling</b>	l		EWYT-B-SR	085	105	135	175	205	215	235	255	300	340	390	430	490	540	590	630
SEER				3.82	3.93	3.87	3.96	3.92	3.82	3.83	3.84	4.18	4.37	4.21	4.19	4.	49	4.46	4.52
Space heating	Average	General	SCOP	3.35	3.40	3.37	3.42	3.44	3.43	3.32	3.33	3.42	3.	49	3.57	3.65	3.60	3.67	3.66
<b>~</b>	climate wate outlet 35°C	r	Seasonal space heating eff. class	A	۱+								-						
Cooling capacity	Nom.		kW	74	96	119	150	186	189	209	226	265	311	344	368	424	470	519	557
Heating capacity	Nom.		kW	80.91	105.24	131.02	167.11	207.27	209.99	233.05	251.28	295.81	335.24	384.62	426.79	477.49	528.73	581.03	615.34
Power input	Cooling	Nom.	kW	28.7	37.4	45.5	59.5	73.2	74.3	80.7	88.8	102	117	131	147	172	195	207	221
	Heating	Nom.	kW	27.99	36.24	44.84	58.45	71.9	73.28	81.39	86.29	102.09	113.54	132.02	144.34	160.28	178.33	194.13	206.57
Capacity control	Method										_	ер							
	Minimum	capacity	%	50	38	50	38	19	50	17	25	22	19	17	25	22	19	18	17
EER				2.56	2.58	2.61	2.53	2.54	2.55	2.59	2.55	2.59	2.64	2.61	2.5	2.46	2.41	2.5	2.51
COP				2.891	2.904	2.922	2.859	2.883	2.866	2.863	2.912	2.898	2.953	2.913	2.957	2.979	2.965	2.993	2.979
IPLV				4.36	4.24	4.3	4.38	4.	29	4.28	4.26	4.29	4.69	4.58	4.61	4.78	4.89	4.82	4.91
Dimensions	Unit	Height	mm				1,8	00							2,	514			
		Width	mm				1,1	95							2,2	282			
		Length	mm	2,225	2,825	3,4	125	4,350	4,025	4,9	950	3,2	225		4,	125			025
Weight	Unit		kg	985	-	1,195	_	1,5	30	1,830	1,855	2,260	2,410	3,340	3,350	3,340	3,530	4,4	427
	Operation	weight	kg	992	1,102	1,202	1,357	1,5	541	1,841	1,869	2,274	2,430	3,360	3,370	3,367	3,557	4,462	4,468
Water heat	Type									Plat	e heat	excha	nger						
exchanger	Water volu	ıme				7			11		1	4		20		2	27	35	41
	Water flow rate	Cooling	Nom. I/s	3.5	4.6	5.7	7.2	8.9	9	10	10.8	12.7	14.8	16.4	17.5	20.2	22.4	24.8	26.6
	Water pressure drop	Cooling	Nom. kPa	14.4	23.4	34.2	52.2	43.5	44.8	53.5	43.6	58.1	47.6	57	64.4	56.3	67.8	56	63.4
Air heat exchanger	Type								Hig	h effic	iency f	in and	tube t	ype					
Compressor	Type									Sc	roll co	mpres	sor						
	Quantity					2		4	2				4			5		6	
Fan	Type									D	irect p	ropell	er						
	Quantity			4	6	:	8	1	0	1	2	5	6			8		1	0
	Air flow rate	Nom.	l/s	6,026	9,483	12,644	12,052	15,064	15,065	18,0	078	23,608	28,330	39,	446	38,610	37,774	48,262	47,216
	Speed		rpm				1,2	.00							78	80			
Sound power level	Cooling	Nom.	dBA	78	82	84	85	84	87	8	6	87	88	89	89.3	89.4	89.5	90.4	90.5
Sound pressure level	Cooling	Nom.	dBA	60	64	65	67	66	68	6	57	6	8	69	69.3	69.4	69.5	70	70.1
Refrigerant	Туре										R-	-32							
	Charge		kg	13.3	14.7	19.3	24.5	29	34	36.2	43	40.3	47.2	50.4	79	58.5	68.8	77.6	82
	Circuits	Quantity				1		2	1						2				
Piping connections	Evaporato	r water inle	et/outlet (OD)								88.9								114.3
Unit	Starting current	Max	A	211.0	327.0	343.0	464.0	408.0	495.0	425.0	439.0	564.0	598.0	636.0	666.0	712.0	757.0	795.0	825.0
	Running current	Cooling	Nom. A	55.0	67.0	77.0	101.0	128.0	126.0	136.0	149.0	173.0	196.0	224.0	251.0	292.0	330.0	353.0	373.0
Unit	Running	Max	A	68.0	85.0	101.0	131.0	166.0	163.0	183.0	197.0	232.0	266.0	304.0	334.0	379.0	425.0	463.0	493.0
Power supply		quency/Vo	Itage Hz/V								3~/50	0/400			-	-			
suppry		-,,, 10	g. 112/ V	-							5 ,50	-, .50							

### Air cooled multi-scroll heat pump, high efficiency, standard/low sound

- > First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > One or two truly independent refrigerant circuits for outstanding reliability
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- > Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- > Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



More details and final information can be found by scanning or clicking the QR codes.



FWYT-B-XS



FWYT-B-XI

Heating & Cooling			EWYT-B-XS/XL	085	115	135	175	215 2	215	235 265	310	350	400	440	500	560	600	630	650 V	FDFAN 310	VFDFAN 350	VFDFAN 400	VFDFAN 440	VFDFAN 500	VFDFAN 560	VFDFAN 600	VFDFAN 630	VFDFAN 650
SEER				4.24	4.38 4	1.24 4	.45 4	.41 4	.21 4	1.4 4.13	4.57	4.67	4.54	4.57	4.72	4.71	4.7	4.69	4.4						4.83			
Space heating	Average	General	SCOP	3.70	3.72 3	3.70 3	.67 3	.70 3	.66 3	.86 3.77	3.	90	3.82	3.85	3.83	3.81	3.79	3.76	3.53	3.96	3.97	3.93	3.91	3.96	3.93	3.8	37	3.68
<b>~</b>	climate water outlet 35°C		Seasonal space heating eff. class	Α	+								,					-					,					
Cooling capacity	Nom.		kW	80	104 1	126	66	206	5 2	29 250	288	328	370	406	467	519	560	597 <del>(</del>	610	288	328	370	406	467	519	560	597	610
Heating capacity	Nom.		kW	85.86	111.02 1	33.18 17	6.29 2	14.81 21	8.29 2	39.37 260.83	305.53	349.96	400.64	443.87	500.13	555.95	598.67	633.91 6	549.7 3	05.53	349.96	400.64	443.87	500.13	555.95	598.67	633.91	649.7
Power input	Cooling	Nom.	kW	26.3	35.1 4	42.1 5	6.6	58 7	1.8 7	4.9 83.4	93.9	107	122	134	158	177	193	204	207	94.1	107	123	135	158	177	193	205	207
	Heating	Nom.	kW	26.06	33.19 3	39.11 5	1.68 6	2.55 6	4.91 6	9.49 76.15	88.61	101.7	117.65	127.8	147.3	165.04	179.94	191.66 2	203.16 8	88.81	101.93	117.94	128.08	147.63	165.38	180.33	192.05	203.95
Capacity control	Method																Ste	р										
	Minimum	capacity	%	50	38	50 3	38	19 5	50	17 25	22	19	17	25	22	19	18	17	,	22	19	17	25	22	19	18	1	17
EER				3.03	2.95 2	2.99 2	.93 3	.03 2	.86 3	.06 3	3.06	3.05	3.02	3.01	2.95	2.93	2.9	2.92	2.95	3.06	3.05	3.	01	2.95	2.92	2.9	2.91	2.94
COP				3.295	3.345 3	.405 3	.411 3	.434 3.	363 3	.444 3.425	3.448	3.441	3.405	3.473	3.395	3.369	3.327	3.308	3.198 3	3.44	3.433	3.397	3.466	3.388	3.362	3.32	3.301	3.186
IPLV				4.75	4	.69	4	.87 4	.72 4	.87 4.64	4.94	4.9	96	5	5.1	5.08	5.0	5 4	4.66	4.97	5.16	5.13	5.16	5.3	5.29	5.22	5.16	4.99
Dimensions	Unit	Height	mm				1,80	0												2	,514							
		Width	mm				1,19	5												2,	282							
		Length	mm	2,825	3,42	25 4	,025 5	,550 4,	625	6,150	4,1	125	5,0	25	5,9	25	6	,825		4,1	25	5,0	)25	5,9	25		6,825	
Weight (XS)	Unit		kg	1,080	1,140 1,	,220 1,	400 2	,000 1,	600 2	,300 2,350	2,830	3,080	3,650	3,750	4,206	4,296	4,760	4,86	50 2	,830	3,080	3,650	3,750	4,206	4,296	4,760	4,8	360
	Operation	weight	kg	1,091	1,151 1	,231 1,	416 2	,035 1,	616 2	,335 2,385	2,865	3,115	3,685	3,812	4,268	4,366	4,830	4,93	30 2	,865	3,115	3,685.37	3,811.88	4,267.88	4,366.2	4,830.2	4,93	30.2
Weight (XL)	Unit		kg	1,110	1,170 1,	,250 1,	430 2	,030 1,	610 2	,330 2,380	3,140	3,240	3,810	3,910	4,366	4,456	4,920	5,02	20 3	3,140	3,240	3,650	3,750	4,206	4,296	4,760	4,8	360
	Operation	weight	kg	1,121	1,181 1,	,261 1,	446 2	,065 1,	626 2	,365 2,415	3,175	3,275	3,845	3,972	4,428	4,526	4,990	5,09	90 3	3,175	3,275	3,685.37	3,811.88	4,267.88	4,366.2	4,830.2	4,93	30.2
Water heat	Туре														Plat	e he	at e	xcha	ange	r								
exchanger	Water volu	ıme			11	_	-	35 1	-		35			6			70				35		-	2		7		
	Water flow rate	Cooling		3.8	-	6 7		9.8	_	0.9 11.9															24.7			
	Water pressure drop	Cooling	Nom. kPa	9.49	15.2	21.5 2	0.1	12 2	9.6 1	4.6 17.1	22	27.9	34.7	23.6	30.4	33.6	38.6	43.2	45	22	27.9	34.7	23.6	30.4	33.6	38.6	43.2	45
Air heat exchanger	Туре												Hi	gh e	effic	iend	y fir	and	d tub	e ty	oe							
Compressor	Туре														Sc	roll	com	pres	ssor									
	Quantity				2			4	2			4			5		6				4	4		5		6	5	
Fan	Туре														D	irec	t pro	opel	ler									
	Quantity			6	8		10	14 1	12	16	7	8	10	0	12	2		14		7	8	1	0	1	2		14	
	Air flow rate	Nom.	l/s	9,039	12,644 12	2,052 15	,065 2	1,090 18	,078	24,104	29,593	33,820	43,351	42,276	52,021	50,730	60,692	59,186 7	78,410 2	9,593	33,820	43,351	42,276	52,021	50,730	60,692	59,186	78,410
	Speed		rpm				1,20							70					900					00				900
Sound power level (XS)	Cooling	Nom.	dBA	81	86	88 9	90 8	39 9	91 9	90 91	92	93	94.2	94.8	95.3	95.6	96.1	96.5	98.4	92.4	93.4	94.2	94.8	95.3	95.6	96.1	96.5	98.4
Sound power level (XL)	Cooling	Nom.	dBA	_	_	_	_	_	_	6.4 87.1	-	_	_		_		_	_	_	_			88.2			89.6	89.7	95.3
Sound pressure level (XS)		Nom.	dBA		_	_	_	_	_	70 71	_		_					_	_	_		_					75.4	_
Sound pressure level (XL)	Cooling	Nom.	dBA	61	64	65 (	57 (	56 6	58 6	66 67	66	67	67.6	67.8	68.1	68.2	68.5	68.6	74.2	56.4	67.1	67.6	67.8	68.1	68.2	68.5	68.6	74.2
Refrigerant	Туре																R-3											
	Charge (XS			_	_	_	_	_	_	8.6 46	_	-	_	_	_	_	_	_	_	_	60.4	70.5	84	87.5	92	114	100	113
	Charge (XL	_)	kg	17.7	18.3	22 3	3.7 4	2.4 5	1.6 4	8.6 46	52.4	63	68.5	78	88.5	93	108	104	113	52.4	63	68.5	78	88.5	93	108	104	113
	Circuits	Quantity			1			_	1											2								
Piping connections				<u></u>					8.9		_					114					88.9				114			
Unit	Starting current				_	_	_	_	_	29.0 443.0	_	_		_				_	_	_					773		_	41
	Running current			_	_	_	_	_	_	32.0 143.0	-	_	_				_	_	_	_	193	216	237	277	313	339		362
Unit	Running current			70.0	87.0 1	01.0 1	33.0   17	70.0 16	55.0   1	86.0 201.0	229.0	262.0	297.0	327.0	377.0			_	509.0	240	274	312	342	395	441	479	50	09
Power supply	Phase/Fred	quency/Vo	ltage Hz/V													3~	/50/	400										

### Air cooled multi-scroll heat pump, high efficiency, reduced sound

- > First R-32 air cooled heat pump with Scroll compressors in the market
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- > One or two truly independent refrigerant circuits for outstanding reliability
- > MicroTech 4 controller: sophisticated adaptive software logic for stable operating conditions
- > Low operating cost and extended operating life thanks to the careful design aimed to optimize the energy efficiency of the chillers and to improve installation profitability, effectiveness and economical management
- Fan speed modulation to ensure precise airflow control and optimized condensing temperature
- > Possible to set up detailed time bands to reduce fan rotation speed and therefore sound emission
- > Thanks to the Dynamic Condensing Pressure Management, the chiller controller adjusts the condensing pressure set-point to minimize the overall chiller power input



More details and final information can be found by scanning or clicking the QR codes.



<b>Heating &amp; Cooling</b>			EWYT-B-XR	085	115	135	175	215	215	235	265	310	350	400	440	500	560	600	630	650
SEER				4.21	4.37	4.21	4.41	4.16	4.42	4.43	4.13	4.74	4.8	4.82	4.63	4.92	4.89	4.83	4.79	4.72
Space heating	Average	General	SCOP	3.66	3.71	3.65	3.83	3.74	3.70	3.82	3.81	4.06	4.01	3.95	4.03	3.99	4.04	4.00	3.98	3.88
<b>~</b>	climate water outlet 35°C	r	Seasonal space heating eff. class	A	+								-							
Cooling capacity	Nom.		kW	79	103	124	164	203	204	227	247	282	321	364	398	458	507	548	583	600
Heating capacity	Nom.		kW	84.9	110.32	132.02	174.14	216.57	213.48	237.57	256.58	301.04	344.8	395.81	438.23	494.13	549.6	588.57	620.71	637.4
Power input	Cooling	Nom.	kW	26.6	35.4	42.6	57.4	72.9	68.8	75.7	84.4	95.2	109	124	136	160	180	196	208	203
	Heating	Nom.	kW	25.87	32.94	38.82	51.3	64.51	62.13	68.99	75.49	86.32	99.1	114.46	124.61	143.5	161.2	175.33	186.93	193.22
Capacity control	Method											Step								
	Minimum	capacity	%	50	38	50	38	50	19	17	25	22	19	17	25	22	19	18	1	17
EER				2.98	2.9	2.92	2.86	2.79	2.97	3	2.93	2.96	2.95	2.93	2.91	2.85	2.81	2	.8	2.94
СОР				3.282	3.349	3.401	3.394	3.357	3.436	3.443	3.399	3.487	3.479	3.458	3.517	3.443	3.409	3.357	3.321	3.299
IPLV				4.	73	4.67	4.65	4.67	4.86	4.82	4.62	4.92	5.12	5.26	5.12	5.34	5.32	5.22	5.23	5.19
Dimensions	Unit	Height	mm				1,8	00								2,514				
		Width	mm				1,1	95								2,282				
		Length	mm	2,825	3,4	125	4,025	4,625	5,550	6,1	150	4,1	125	5,0	)25	5,9	25		6,825	
Weight	Unit		kg	1,110	1,170	1,250	1,430	1,610	2,030	2,330	2,380	3,140	3,240	3,810	3,910	4,366	4,456	4,920	5,0	020
	Operation	weight	kg	1,121	1,181	1,261	1,446	1,626	2,065	2,365	2,415	3,175	3,275	3,845	3,972	4,428	4,526	4,990	5,0	90
Water heat	Туре									Р	late he	eat exc	hang	er						
exchanger	Water volu	ıme	I		11		1	б			3	5			6	52		7	0	
	Water flow rate	Cooling	Nom. I/s	3.8	4.9	5.9	7.8	9	.7	10.8	11.8	13.4	15.3	17.3	19	21.8	24.2	26.2	27.8	28.6
	Water pressure drop	Cooling	Nom. kPa	9.33	14.9	21.1	19.6	28.9	11.8	14.3	16.8	21.2	26.8	33.5	22.7	29.2	32.2	37.1	41.4	43.7
Air heat exchanger	Туре								H	ligh ef	fficiend	y fin a	and tu	be typ	e					
Compressor	Туре										Scroll	comp	ressor							
·	Quantity					2						4				5			5	
Fan	Туре										Direc	t prop	oeller							
	Quantity			6		8	10	12	14	1	6	7	8	1	0	1	2		14	
	Air flow rate	Nom.	l/s	8,298	11,630	11,064	13,830	16,596	19,362	22,	,128	25,074	28,656	36,808	35,820	44,169	42,984	51,531	50,148	66,104
	Speed		rpm				1,1	08							60	00				780
Sound power level	Cooling	Nom.	dBA	77	81	83	85	87	84	85	86	8	4	85.2	85.5	86.2	86.3	86.9	87.1	91.6
Sound pressure level	Cooling	Nom.	dBA	59	63	65	67	68	6	5	66	6	4	64.8	65.1	65.4	65.5	65.8	66	70.5
Refrigerant	Туре											R-32								
_	Charge		kg	17.4	18.4	21.5	30	40	44.6	50	53.4	54.4	62	71.5	78	89	93	103.4	106	109
	Circuits	Quantity				1									2					
Piping connections	Evaporato	r water inle	et/outlet (OD)					88	3.9								114.3			
Unit	Starting current		A	213.0	329.0	343.0	465.0	497.0	412.0	429.0	443.0	572.0	606.0	644.0	674.0	728.0	773.0	811.0	84	1.0
	Running current		Nom. A	53.0	65.0	75.0	100.0	124.0	123.0	133.0	145.0	169.0	192.0	214.0	237.0	276.0	315.0	339.0	360.0	353.0
Unit	Running current	t Max	A	70.0	87.0	101.0	133.0	165.0	170.0	186.0	201.0	240.0	274.0	312.0	342.0	395.0	441.0	479.0	50	9.0
Power supply		quency/Vo	ltage Hz/V									-/50/40								



### Air cooled scroll inverter heat pump, split version

- > Inverter Heat Pump in Split version
- > Daikin scroll compressor
- > High part load efficiency for low running cost
- > Glycol free application
- > Wide operation range and hot water production up to 60°C
- > Integrated hydronic module as standard



More details and final information can be found by scanning or clicking the QR codes.



Indoor Unit				EWYT	021CZI-A1	032CZI-A1	040CZI-A1	064CZI-A2
Casing	Colour					lvory	white	
	Material					Galvanized and p	ainted steel sheet	
Dimensions	Unit	HeightxW	/idthxDepth	mm		700x1,1	20x830	
Weight	Unit			kg	133	14	14	172
Operation range	Heating	Ambient	Min.~Max.	°C		-20	~35	
		Water side	Min.~Max.	°C		20	~60	
	Cooling	Ambient	Min.~Max.	°CDB		-20	~45	
		Water side	Min.~Max.	°C		4 -	~20	
Sound power leve	l Nom.			dBA	63.0	6.	4.5	66.0

#### **EWYT-CZO**

### Air cooled scroll inverter heat pump, split version

- > Inverter Heat Pump in Split version
- > Daikin scroll compressor
- > High part load efficiency for low running cost
- > Glycol free application
- $\rightarrow$  Wide operation range and hot water production up to 60°C
- > Integrated hydronic module as standard





More details and final information can be found by scanning or clicking the QR codes.



EWYT-CZO

Outdoor Unit			<b>EWYT</b>	021CZO-A1	032CZO-A1	040CZO-A1	064CZO-A2
Dimensions	Unit	HeightxWidthxDepth	mm	1,878x1,152x802	1,878x1,	752x802	1,878x2,906x814
Weight	Unit		kg	265	35	57	620
Compressor	Quantity				1		2
	Туре				Scroll cor	mpressor	
Refrigerant	Туре				R-	32	
	GWP				67.	5.0	
	Charge		kg	7.3	9.5	9.8	16.6
	Charge		TCO2Eq	4,928.0	6,422.0	6,635.0	11,255.0
Sound power level	Cooling	Nom.	dBA	76.0	79.0	80.0	83.0
Sound pressure level	Cooling	Nom.	dBA	59.6	62.2	63.2	65.4
Power supply	Phase/Frequen	icy/Voltage	Hz/V		3N~/5	0 /400	





#### Air cooled screw inverter heat pump, standard efficiency, standard sound

- > Ideal solution for commercial comfort cooling and/or heating applications
- > Optimum ESEER values
- > 2-3 truly independent refrigerant circuits
- > Low starting current
- > DX shell and tube evaporator one pass refrigerant side to minimize pressure drops
- > Standard electronic expansion valve
- > Optimised defrost cycles
- > Partial and total heat recovery option available
- > Power factor up to 0.95

> PID microprocessor control



More details and final information can be found by scanning or clicking the QR codes.



Heating & Cooling	9		EV	VYD-BZSS	250	270	290	320	340	370	380	410	440	460	510	530	570
SEER										-			1		4.	57	4.55
Space heating	Average climate water outlet 35°C	General	SCOP		3.	.21	3.	20		3.	21		3	.20		-	
Cooling capacity	Nom.			kW	253	272	291	323	337	363	380	411	433	455	515	533	569
Heating capacity	Nom.			kW	271	298	325	334	350	380	412	445	465	477	532.86	560.55	618.33
Power input	Cooling	Nom.		kW	91.3	101	110	117	125	135	144	154	165	163	183	189	217
	Heating	Nom.		kW	91.4	100	108	118	126	133	143	157	167	165	177.37	184.84	208.14
Capacity control	Method										Stepless	;					
	Minimum	capacity		%					13.0					9.0		9	
EER					2.77	2.70	2.65	2.75	2.69	2.68	2.63	2.66	2.62	2.79	2.	.81	2.62
ESEER					3.93	3.92	3.89	3.95	3.89	3.90	3.82	3.91	3.89	4.18		-	
COP					2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	3.004	3.033	2.971
IPLV					4.58	4.	62	4.75	4.64	4.71	4.67	4.73	4.69	4.85	4.89	4.85	4.77
Dimensions	Unit	Height		mm					2,335					2,280		2,280	
		Width		mm					2,2	254						2,254	
		Length		mm		3,547			4,4	428		5,3	329	6,659		6,659	
Weight	Unit			kg	3,410	3,455	3,500	3,8	370	3,940	4,010	4,3	390	5,015	5,495	5,7	735
_	Operation	weight		kg	3,550	3,595	3,640	4,	010	4,068	4,138	4,5	518	5,255	5,724	5,964	5,953
Water heat	Туре							Sin	gle pass	shell & t	ube				She	ell and t	ube
exchanger	Water volu	ıme		- 1		138		1.	33		12	28		240	2	29	218
	Water	Cooling	Nom.	l/s	12.1	13.0	13.9	15.5	16.2	17.4	18.2	19.7	20.8	21.8	24.7	25.5	27.3
	flow rate	Heating	Nom.	l/s	13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0		-	
	Water	Cooling	Nom.	kPa	40	46	44	50	55	60	65	74	80	47	68.4	46.5	52.4
	pressure drop	Heating	Nom.	kPa	30	35	52	37	40	45	51	59	64	42		-	
Air heat exchanger	Туре					High	n efficier	ncy fin a	nd tube	type wit	h integi	al subco	ooler			fficiency ube typ	
Compressor	Type									Single so	rew cor	npresso	r				
	Quantity								2					3		3	
Fan	Type									Dire	ct prop	eller					
	Quantity					6				8		1	0	12		12	
	Air flow rate	Nom.		l/s	31,729	31,422	31,115	42,	306	42,337	41,487	52,	882	63,458	62,640	61,652	48,19
	Speed			rpm					9	00						900	
Sound power level	Cooling	Nom.		dBA				101				10	02	104		103.6	
Sound pressure leve	l Cooling	Nom.		dBA				82				8	3	84		83.7	
Operation range	Air side	Cooling	Min.~Max.	°CDB					-10	~45						-~-	
		Heating	Min.~Max.	°CDB					-10	~20						-~-	
	Water side	Cooling	Min.~Max.	°CDB					-8-	~15						-~-	
		Heating	Min.~Max.	°CDB					35 <sup>,</sup>	~55						-~-	
Refrigerant	Type/GWF								R-134a	a/1,430						R-134a/-	-
	Charge			kg						-					14	41	147
	Circuits	Quantity							2					3		3	
Refrigerant charge	Per circuit			kg	43.0	44.0	43.0	46.0	46	5.5	47.0	50	0.0	47.0		-	
	Per circuit			TCO2Eq	61.5	62.9	61.5	65.8	66	5.5	67.2	71	1.5	67.2		-	
Piping connections	s Evaporato	r water inl	et/outlet (OD)						139.7mm						219.	lmm	
Unit	Starting current	Max		Α		150		181		204		224	238	245	327	355	344
	Running	Cooling	Nom.	Α	137	150	164	176	188	202	214	229	244	246	298	310	349
	current	Max		Α	2	11	212	254		288		316	336	329	433	474	458
																	00



## Air cooled screw inverter heat pump, standard efficiency, low sound

- > Ideal solution for commercial comfort cooling and/or heating applications
- > Optimum ESEER values
- > 2-3 truly independent refrigerant circuits
- > Low starting current
- > DX shell and tube evaporator one pass refrigerant side to minimize pressure drops
- > Standard electronic expansion valve
- > Optimised defrost cycles
- > Partial and total heat recovery option available
- > Power factor up to 0.95
- > PID microprocessor control

More details and final information can be found by scanning or clicking the QR codes.





EWYD-BZSL

Heating & Cooling	9		E	WYD-BZSL	250	270	290	320	330	360	370	400	430	450	510	530	570
SEER										-					4.56	4.6	4.55
Space heating	Average climate wate outlet 35°C	General r	SCOP		3.	21	3.2	20		3.	21		3.	20		-	
Cooling capacity	Nom.			kW	247	265	290	315	330	353	370	401	423	446	503	519	569
Heating capacity	Nom.			kW	271	298	325	334	350	380	412	445	465	477	532.86	560.55	618.33
Power input	Cooling	Nom.		kW	89.5	99.5	110	115	123	134	144	151	163	158	178	185	217
•	Heating	Nom.		kW	91.4	100	108	118	126	133	143	157	167	165	177.37	184.84	208.14
Capacity control	Method										Stepless						
' /	Minimum	capacity		%					13.0					9.0		9	
EER		. ,			2.76	2.66	2.62	2.75	2.68	2.64	2.57	2.66	2.59	2.83	2.82	2.8	2.62
ESEER					4.06	4.04	4.03	4.17	4.09	4.04	4.01	4.06	4.02	4.18		-	
COP					2.96	2.97	3.00	2.82	2.78	2.85	2.88	2.83	2.79	2.88	3.004	3.033	2.971
IPLV					4.90	4.96	4.91	5.17	5.08	5.12	5.06	5.22	5.13	5.07	5.03	4.99	4.89
Dimensions	Unit	Height		mm					2,335					2,280		2,280	
		Width		mm					2,2	254				, ,		2,254	
		Length		mm		3,547			4,4	128		5,3	329	6,659		6,659	
Weight	Unit			kg	3,750	3,795	3,840	4,2	210	4,280	4,350	4,7	730	5,525	6,005	6,7	245
3	Operation	weiaht		kg	3,888	3,933	3,978	4,3	343	4,408	4,478	4.8	358	5,765	6,234	6,474	
Water heat	Туре				.,	, , , , , , ,	,			shell & t		,		, ,		ell and tu	
exchanger	Water volu	ıme		I		138		13			12	28		240	22		218
	Water	Cooling	Nom.	I/s	11.8	12.7	13.9	15.1	15.8	16.9	17.7	19.2	20.3	21.4	24.1	24.9	27.3
	flow rate	Heating	Nom.	I/s	13.1	14.4	15.7	16.1	16.9	18.3	19.8	21.4	22.4	23.0		-	
	Water	Cooling	Nom.	kPa	38	44	42	48	53	57	62	71	77	45	65.5	44.4	52.4
	pressure dro		Nom.	kPa	30	35	52	37	40	45	51	59	64	42	00.0	-	5211
Air heat exchanger						High	efficien	icy fin ar	nd tube	type wit	h integr	al subc	ooler			ficiency ube typ	
Compressor	Type									Single so	rew con	npresso	r				
	Quantity								2					3		3	
Fan	Type									Dire	ct prope	eller					
	Quantity					6				8		1	0	12		12	
	Air flow	Nom.		I/s						-					48,415	47,732	48,191
	rate	Cooling	Nom.	I/s	24,432	24,264	24,095	32,	576	32,628	32,127	40,	720	48,863		-	
	Speed			rpm					70	00						900	
Sound power level	Cooling	Nom.		dBA		94				9	5			97		97	
Sound pressure leve	l Cooling	Nom.		dBA					76					77		77.2	
Operation range	Air side	Cooling	Min.~Max.	°CDB					-10	~45						-~-	
		Heating	Min.~Max.	°CDB					-10	~20						-~-	
	Water side	Cooling	Min.~Max.	°CDB						~15						-~-	
Operation range	Water side	Heating	Min.~Max.	°CDB					35 <sup>,</sup>	~55						-~-	
Refrigerant	Type/GWF	)							R-134a	a/1,430						R-134a/-	
	Charge			kg						-					14	<b>1</b> 1	147
	Circuits	Quantity							2					3		3	
Refrigerant charge	Per circuit			kg	43.0	44.0	43.0	46.0	46	5.5	47.0	50	0.0	47.0		-	
	Per circuit			TCO2Eq	61.5	62.9	61.5	65.8	66	5.5	67.2	7	1.5	67.2		-	
Piping connections	s Evaporato	r water inl	et/outlet (OD)						139.7mm	1					219.1	mm	
Unit	Starting current	Max		Α	145	14	16	176		199		217	231	234	316	34	44
	Running	Cooling	Nom.	Α	134	148	163	171	184	199	212	224	240	238	291	305	349
														1			
	current	Max		Α	202	20	03	243		277		302	322	313	416	4:	58



4-pipe system solution with full inverter technology For independent and simultaneous cooling and heating all year round



Top class efficiency
Total Energy Ratio up to 8.8

Full inverter technology: the best choice for every application



Easy part load calculation via the tool CSS WEB



The inverter integrated in the compressor is refrigerant cooled:

- Safe and robust cooling system, totally independent from outdoor ambient conditions and air quality.
- Suitable even for aggressive installation such as industrial or desert application.

The volume ratio will change by moving the sliding valves. **VVR** changes the point at which the gas leaves the compressor, and therefore changes the pressures at discharge which will be optimal at any condition.

Upon defining the design condition in the unit selection page it is possible to calculate the unit performances in every in-between condition with a different load



### Best solution for simultaneous cooling and heating

Big multipurpose buildings, hotels, hospital are just a few examples of application for multipurpose units



Daikin EWYD-4ZMultipurpose Unit

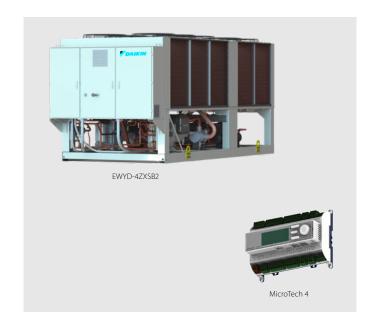


Daikin EWYD-4Z
 Multipurpose Unit –
 Behind the scenes



#### Air to Water Multipurpose unit

- > Best solution for independent and simultaneous cooling and heating all year round
- > Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- > High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- > Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality



More details and final information can be found by scanning or clicking the QR codes.



Multipurpos	se	EWYD-4	ZXSB2	400	450	500	550	600	650	700	800		
Air to water -		Nominal Rated Capacity – Net	kW	402.4	438.4	502.8	523.4	602.4	653.7	702.9	785.7		
cooling only	(1)	EER – Net	ĺ	3.17	3.15	3.25	3.08	3.25	3.19	3.37	3.29		
Air to water -		Nom. Rated Capacity – Net	kW	402.7	439.7	503.5	545.2	600.9	654.7	702.4	803.0		
heating only	(2)	COP – Net	ĺ	3.33	3.41	3.45	3.44	3.45	3.38	3.55	3.54		
Water to wat	er –	Nom. Rated Capacity COOLNG – Net	kW	313.2	351.6	393.9	430.4	479.4	516	553.3	634.4		
Cooling + hea		Nom. Rated Capacity HEATING – Net	kW	402.4	449.3	503.4	549.4	608.8	658.3	707.1	808.9		
(3)		TER – Net		8.03	8.19	8.2	8.24	8.4	8.25	8.2	8.27		
		Height	mm				2,4	165					
Dimensions		Width	mm				2,2	285					
		Length	mm	5,8	325	6,7	725	7,625	100 1 1 100 1 1 100 1 1 100 1 1 1 1 1 1				
		Unit Weight	kg	6,075	6,095	6,870	6,870	7,850	8,435	9,405	9,430		
Weight		Operating Weight	kg	6,540	6,560	7,560	7,560	8,935	9,540	10,785	10,820		
		Cold/Hot side water connections	mm				21	9.1					
Sound level		Sound Power – Cooling (4)	dB(A)	99	98	g	99	10	00	10	02		
30una ievei		Sound Pressure – Cooling at 1 m (5)	dB(A)	78	7	7	7	8	79	8	80		
	C-1-1	Water Volume	1	126	126	214	214	369	361	468	468		
	Cold Side	Water flow rate (1)	l/s	19.3	21.0	24.1	25.1	28.8	31.3	33.6	37.6		
Water heat	Jide	Water pressure drop (1)	kPa	42.0	50.8	40.1	47.8	48.0	34.2	40.7	37.1		
exchangers		Water Volume	1	126	126	214	214	369	361	468	468		
	Hot Side	Water flow rate (2)	l/s	9.1	9.1	13.4	13.4	14.6	19.5	20.8	26.1		
	Jide	Water pressure drop (2)	kPa	19.4	21.146	24.3	26.334	29	31.6	33.9	38.7		
Fan		Quantity	n	1	0	1	12	14		16			
raii		Nominal air flow (1)	l/s	56,	550	67,	860	79,170		90,480			
		Туре					Single	screw					
Compressor		Oil charge	I I			2	28			3	8		
		Quantity	n.					2					
		Refrigerant type					R13	34a					
Refrigerant c	ircuit	Refrigerant charge	kg	198	207	200	219	247	260	328	354		
		Circuits	n.					2					
Power Supply	y	Phase/Frequency/Voltage	Hz/V				3~/50	0/400					

<sup>(1)</sup> Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.

(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.

(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.

(4) Sound power level are referred to condition (1) for Cooling and (2) for Heating. The data are measured in accordance with ISO 9614 and Eurovent 8/1 for Eurovent certified units.

The certification refers only to the overall sound power level.
(5) Sound pressure is calculated from the sound power level and it is for information only and not considered binding. All the above data are referred to standard units without options and are subject to change without notice

#### Air to Water Multipurpose unit

- > Best solution for independent and simultaneous cooling and heating all year round
- > Daikin single screw compressor with integrated inverter and Variable Volume Ratio Technology
- > High Efficiency Inverter fans with optimized geometry ensures the best ratio between airflow and power input.
- > Wide operating envelope for cooling and heating with extra capacity in Boosted operation and Rapid Restart functionality



More details and final information can be found by scanning or clicking the QR codes.



Multipurpos	se	EWYD-4	ZXRB2	400	450	500	550	600	650	700	800
Air to water -	-	Nominal Rated Capacity – Net	kW	357.9	400.4	451.9	496.2	548.0	596.5	619.1	690.0
cooling only	(1)	EER – Net		3.05	3.06	3.12	3.06	3.11	3.07	3.19	3.08
Air to water -	-	Nom. Rated Capacity – Net	kW	358.3	398.7	452.2	493.4	550.7	601	620.9	690.8
heating only	(2)	COP – Net		3.48	3.65	3.65	3.63	3.59	3.55	3.67	3.71
		Nom. Rated Capacity COOLNG – Net	kW	281.5	312.7	351.1	383.1	435.2	473.1	489.3	543.8
Water to wat Cooling + hea		Nom. Rated Capacity HEATING – Net	kW	361.4	399.5	448.1	487.9	550.5	602.1	625.3	693.3
cooming i nee	itilig (5)	TER – Net		8.04	8.20	8.24	8.31	8.55	8.33	8.19	8.27
		Height	mm				2,4	165			
Dimensions		Width	mm				2,2	285			
		Length	mm	5,8	325	6,7	725	7,625		8,525	
	Unit Weight Operating Weight Cold/Hot side water connections Sound Power – Cooling (4) Sound Pressure – Cooling at 1 m (5) Water Volume		kg	6,240	6,260	7,035	7,035	8,015	8,600	9,690	9,715
Weight		Operating Weight	kg	6,705	6,725	7,725	7,725	9,100	9,705	11,075	11,110
		Cold/Hot side water connections	mm				21	9.1			
Sound level		Sound Power – Cooling (4)	dB(A)	87	86	8	37	8	8	9	0
30una ievei		Sound Pressure – Cooling at 1 m (5)	dB(A)			6	66			68	69
	<i>c</i>	Water Volume	- 1	12	26	2	14	369	361	46	58
	Cold Side	Water flow rate (1)	l/s	17.1	19.2	21.6	23.7	26.2	28.5	29.6	33.0
Water heat	Side	Water pressure drop (1)	kPa	31.8	37.1	31.7	38.7	39	27	33.7	28.1
exchangers		Water Volume	1	126	126	214	214	369	361	468	468
	Hot Side	Water flow rate (2)	l/s	17.3	19.2	21.8	23.8	26.6	29.0	30.0	33.3
	Side	Water pressure drop (2)	kPa	31.8	38.5	27.7	33.6	32	23.8	28.5	24.4
Fan		Quantity	n	1	0	1	2	14		16	
ган		Nominal air flow (1)	l/s	36	,110	43,	332	50,554		57,776	
		Type					Single	screw			
Compressor		Oil charge	- 1			2	18			3	8
	Quantity		n.					2			
		Refrigerant type					R1:	34a			
Refrigerant c	ircuit	Refrigerant charge	kg	206	207	224	226	248	260	320	348
		Circuits	n.					2			
Power Suppl	у	Phase/Frequency/Voltage	Hz/V				3~/5	0/400			

Fluid: Water; Fouling factor = 0

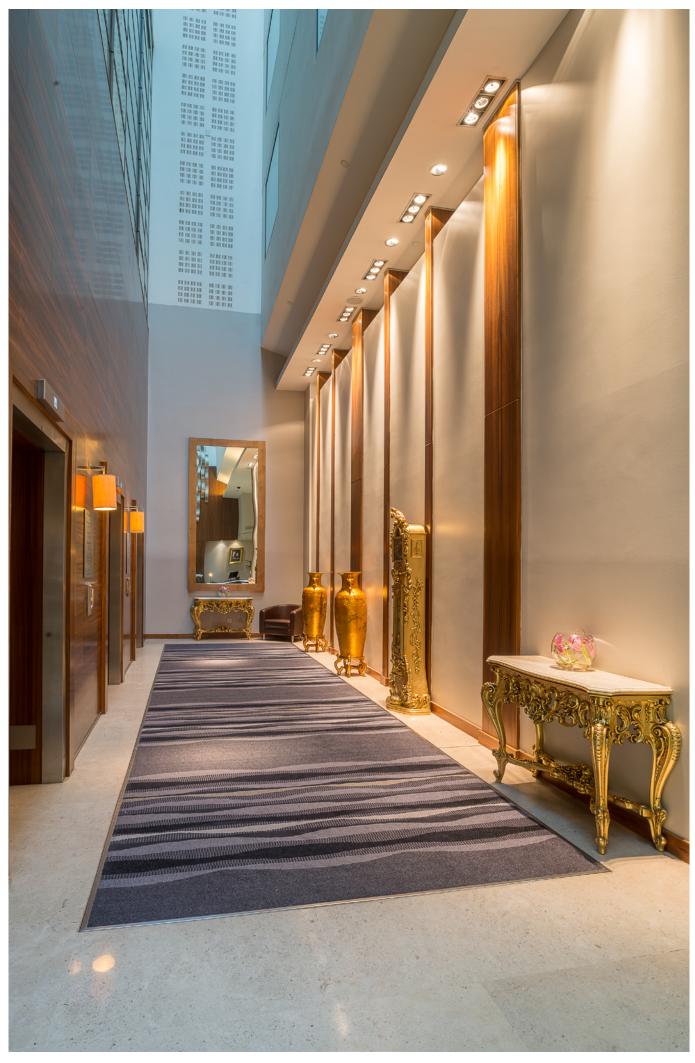
<sup>(1)</sup> Operation in Air to water "Cooling only" mode rated at 35°C ambient temperature, 50% R.H.; Entering water temperature 12°C, Outlet water temperature 7°C.

(2) Operation in Air to water "Heating only" mode rated at 7°C ambient temperature, 85% R.H; Entering water temperature 40°C, Outlet water temperature 45°C.

(3) Operation in Water to water "Cooling + Heating" mode rated with water flowing on cold and hot heat exchangers determined respectively at conditions (1) and (2) - Chilled water outlet temperature 7°C, Hot water outlet temperature 45°C.

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## Air cooled screw condensing unit, standard efficiency, standard sound

- > One refrigerant circuit with single screw compressor
- > Compact design
- > Large operation range (ambient temperature down to -18°C)
- > Extensive option list (heat recovery option available)



More details and final information can be found by scanning or clicking the QR codes.



ERAD-E-SS

Cooling only			ERAD-E-SS	120	140	170	200	220	250	310	370	440	490
Cooling capacity	Nom.		kW	121	144	165	196	219	251	309	370	435	488
Power input	Cooling	Nom.	kW	42.1	51.2	57.7	65.6	74.2	77.0	93.8	123	148	161
Capacity control	Method							Step	less				
	Minimum capa	acity	%					25	5.0				
EER				2.88	2.82	2.86	2.99	2.95	3.27	3.30	3.02	2.95	3.02
Dimensions	Unit	Height	mm			2,2	273				2,2	223	
		Width	mm			1,2	92				2,2	236	
		Length	mm	2,1	65	3,0	065	3,9	65		3,0	070	
Weight	Unit		kg	1,5	84	1,7	741	1,9	36		2,6	579	
	Operation wei	ght	kg	1,6	517	1,7	'81	1,9	81		2,7	756	
Air heat exchanger	Туре					High ef	ficiency fin	and tube	type with i	integral su	bcooler		
Compressor	Туре						Si	ngle screw	compress	or			
	Quantity							1					
Fan	Туре							Direct p	ropeller				
	Air flow rate	Nom.	l/s	10,924	10,576	16,386	15,865	21,848	21,153	32,	772	31,7	729
	Quantity			:	2	:	3	4	1			6	
	Speed	Cooling Non	n. rpm					90	00				
Sound power level	Cooling	Nom.	dBA		9:	2.0		93.0	94	1.0		95.0	
Sound pressure level	Cooling	Nom.	dBA			74.0				75	5.0		76.0
Operation range	Saturated suct	ion temp.	°C					-9-	-12				
	Condenser inle	et temp.	°C					-18	~48				
Refrigerant	Type / GWP							R-134a	/ 1,430				
	Circuits	Quantity						1					
Piping connections	Evaporator wa	ter inlet/outlet (OD	0)				76mm					139.7mm	
Unit	Maximum star	ting current	A	1:	51	19	95	28	38	330		410	
	Nominal running	g current (RLA) Coo	ling A	72	88	98	110	125	129	158	204	244	266
	Maximum runi	ning current	A	86	103	119	132	157	164	198	242	284	298
Power supply	Phase/Frequer	ncy/Voltage	Hz/V					3~/50	0/400				

## Air cooled screw condensing unit, standard efficiency, low sound

- > One refrigerant circuit with single screw compressor
- > Compact design
- > Large operation range (ambient temperature down to -18°C)
- > Extensive option list (heat recovery option available)



More details and final information can be found by scanning or clicking the QR codes.



ERAD-E-SL

Cooling only			ERAD-E-SL	120	140	160	190	210	240	300	350	410	460
Cooling capacity	Nom.		kW	116	137	159	187	209	243	298	352	409	462
Power input	Cooling	Nom.	kW	42.4	52.5	57.7	66.3	73.9	78.1	91.9	122	150	167
Capacity control	Method							Step	less				
	Minimum capa	acity	%					25	5.0				
EER				2.74	2.61	2.75	2.8	83	3.11	3.24	2.88	2.73	2.76
Dimensions	Unit	Height	mm			2,2	273				2,2	223	
		Width	mm			1,2	92				2,2	236	
		Length	mm	2,1	65	3,0	165	3,9	65		3,0	070	
Weight	Unit		kg	1,6	84	1,8	341	2,0	36		2,7	789	
	Operation wei	ght	kg	1,7	'17	1,8	81	2,0	)81		2,8	386	
Air heat exchanger	Туре					High ef	ficiency fin	and tube	type with i	integral su	bcooler		
Compressor	Туре						Si	ngle screw	compress	or			
	Quantity												
Fan	Туре							Direct p	ropeller				
	Air flow rate	Nom.	l/s	8,373	8,144	12,560	12,216	16,747	16,288	25,	120	24,	432
	Quantity				2		3	4	1			6	
	Speed	Cooling No	m. rpm					70	00				
Sound power level	Cooling	Nom.	dBA	89	9.0	90	0.0	91.0		92	2.0		93.0
Sound pressure level	Cooling	Nom.	dBA			71.0				73	3.0		74.0
Operation range	Saturated suct	tion temp	°C					-9	~12				
	Condenser inl	et temp	°C					-18	~48				
Refrigerant	Type / GWP							R-134a	/ 1,430				
	Circuits	Quantity											
Piping connections	Evaporator wa	ter inlet/outlet (C	D)				76mm					139.7mm	
Unit	Maximum star	ting current	Α	15	51	19	95	28	38	330		410	
	Nominal running	g current (RLA) Co	oling A	73	90	98	112	125	131	155	204	249	275
	Maximum runi	ning current	A	83	100	115	128	151	158	189	234	276	290
Power supply	Phase/Frequer	ncv/Voltage	Hz/V					3~/50	0/400				



For cooling and heating application

- > R32 refrigerant
- > Real modular design
- > Heat pump with inversion on water side
- > Heat pump with inversion on refrigerant side
- > Condenserless



**Standard sound version**Suitable for indoor installation





#### Reduced sound version

Suitable for indoor and outdoor installation

#### Why choose $EW(W)(H)(L)T\sim Q-A$

> Real redundancy





> Accessory manifold module customizable with options





> On board pump module





#### Water cooled scroll heat pump

- > One of the most compact units on the market: 600mm x 600mm x 600mm
- > Low energy consumption
- > Low operating sound level
- > Low refrigerant volume
- > Stainless steel plate heat exchanger
- > Extension possible to 183kW
- > Easy installation and maintenance
- > Remote cooling or heating selection
- > Water/water heat pump, with water reversibility
- > Standard integrated: water filter, flow switch, air purge, pressure
- $\,\rightarrow\,$  Advanced  $\mu C^2SE$  controller for direct connection to a Modbus based BMS or to a remote user interface



More details and final information can be found by scanning or clicking the QR codes.



EWWQ-KC

Cooling & Heating	only		EWWQ-KC	014	025	033	049	064
SEER				4.02	4.23	3.63	4.48	3.88
Space heating	Average	General	SCOP	3.64	3.63	3.71	3.58	3.87
	climate water outlet 55°C		Seasonal space heating eff. class			A++		
	Average	General	SCOP	4.76	4.73	4.52	4.87	4.91
	climate water outlet 35°C	1	Seasonal space heating eff. class	A	+++	A++	A	++
Cooling capacity	Nom.		kW	12.09/13.25	19.87/23.89	28.90/30.47	39.35/47.15	57.84/61.00
Heating capacity	Nom.		kW	14.98	27.30	34.74	54.13	69.51
Power input	Cooling	Nom.	kW	3.20/3.74	5.70/6.11	7.30/8.43	11.4/12.03	14.6/16.41
	Heating	Nom.	kW	3.90	7.10	8.70	14.4	17.5
Capacity control	Method					Fixed		
	Minimum	capacity	%		100		<u>.</u>	50
EER				3.237/4.20	3.254/4.18	3.429/4.16	3.27/4.13	3.524/4.18
COP				3.84	3.83	3.98	3.77	3.98
PLV				4.68	4.85	4.28	4.97	4.44
Dimensions	Unit	Height	mm			600		
		Width	mm			600		
		Depth	mm		600		1,2	200
Weight	Unit		kg	68.0	132	141	257	265
	Operation	n weight	kg	70/74	129/136	135/145	247/266	258/282
Water heat	Туре					Brazed plate		
exchanger -	Water vol	ume	I	1.47	1.96	2.74	4.47	5.88
evaporator	Water	Cooling	Nom. I/s	0.63	1.14	1.45	2.25	2.91
	flow rate	Heating	Nom. I/s	0.88	1.6	2.07	3.2	4.13
	Water pressure	Cooling	Nom. kPa	9.71/11.7	16.4/28.7	21.3/21.6	20.5/27.6	34.8/44.8
	drop	Heating	Nom. kPa	23.70	60.20	59.60	56.70	94.60
Compressor	Type					Scroll compressor		
	Quantity				1			2
Sound power level	Cooling	Nom.	dBA		69	76	72	79
Sound pressure level	Cooling	Nom.	dBA	5	5.2	62.1	57.6	64.6
Operation range	Evaporator	Cooling	Min.~Max. °CDB			-10 ~20		
	Condenser	Heating	Min.~Max. °CDB			20 ~55		
Refrigerant	Type/GWI	P				R-410A/2,088.0		
-	Charge		kg	0.0/1.30	0.0/1.90	0.0/2.70	0.0/4.60	0.0/6.80
		Quantity			1			2
Piping connections			let/outlet (OD)		G1"		G1	" 1/2
Space heating	Average climate water outlet 55°C	General		3.64	3.63	3.71	3.58	3.87
Space heating	Average climate water		Seasonal space heating eff. class			A++		
•	outlet 55°C	A Condition (-7°CDB/-8°CWB	Cdh (Degradation heating)			0.9		
	Average climate water outlet 35°C	General	Seasonal space heating eff. class	A	+++	A++	A-	++
Unit	Starting current	Max	А	57.4	109.3	124.3	124.8	143.6
	Running	Cooling	Nom. A	6.0/6.57	9.0/10.5	13.0/14.1	19.0/20.9	26.0/28.1
	current	Max	Α	9.16	15.5/15.53	19.3/19.33	31.0/31.05	38.65/38.7

(Dt=5°C) | According to EN14825 | Depends on operation mode, refer to installation manual. | For more details, see operation range drawing



#### Water cooled multi-scroll chiller reversing on refrigerant side, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- > Heat pump version with reversibility on refrigerant side available, ideal for geothermal applications
- > Compact design to allow easy indoor installation or retrofit operations
- > Conceived for stacked installation of two single circuit units to reduce the footprint
- > High efficiency and reliable scroll compressor
- > High flexibility for a wide variety of applications
- > Allows sequencing control (up to 4 units) without any external device
- > Stainless steel plate heat exchanger

More details and final information can be found by scanning or

clicking the QR codes.

Heating & Cooling

- > Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- > MicroTech 4 controller with superior control logic and easy interface





EWHQ-G-SS

ricating a cooming	,			55	.00		.50	.50	.00				_, _	3.0	00
Cooling capacity	Nom.			kW	87.3	100.0	111	127	141	160	181	208	232	291	352
Heating capacity	Nom.			kW	112	128	144	162	179	205	233	266	299	375	454
Capacity control	Method									Step					
	Minimum	capacity		%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
Power input	Cooling	Nom.		kW	22.4	25.3	28.5	32.0	35.6	41.1	46.0	53.3	59.1	73.7	88.4
	Heating	Nom.		kW	27.0	30.9	35.2	39.3	43.6	50.4	56.6	64.7	72.2	90.3	109
EER					3.90	3.95	3.91	3.96	3.95	3.90	3.93	3.90	3.92	3.95	3.98
COP					4.15	4.16	4.09	4.12	4.11	4.07	4.11	4.10	4.14	4.16	4.18
ESEER					4.70	4.84	4.65	4.86	4.80	4.89	4.86	4.83	4.79	4.90	4.83
IPLV					6.02	6.14	5.66	5.84	5.73	5.84	5.81	5.87	5.71	5.86	5.79
Dimensions	Unit	HeightxV	VidthxLength	mm	1,066x9	28x2,432	1,06	56x928x2	,264		1,066x9	28x2,432		1,186x92	28x2,432
Weight	Unit			kg	519	608	728	770	808	838	880	930	941	1,090	1,203
	Operation	weight		kg	558	654	782	830	873	908	995	1,019	1,031	1,202	1,334
Water heat	Type								Plate	heat exch	anger				
exchanger -	Water	Cooling	Nom.	I/s	4.2	4.8	5.3	6.1	6.7	7.7	8.7	10.0	11.1	13.9	16.9
evaporator	flow rate	Heating	Nom.	l/s	4.1	4.7	5.2	5.9	6.5	7.4	8.5	9.6	10.9	13.7	16.6
	Water	Cooling	Nom.	kPa	4	14	35	30	29	31	33	31	38	42	43
	pressure drop	Heating	Nom.	kPa	4	12	33	28	27	29	32	29	37	41	42
Water heat	Туре								Plate	heat exch	anger				
exchanger -	Water volu	ume		- 1	6		8	10	12	13	15	1	7	27	34
condenser	Water	Cooling	Nom.	I/s	5.2	6.0	6.7	7.7	8.5	9.7	10.9	13.7	13.9	17.4	21.1
	flow rate	Heating	Nom.	l/s	5.4	6.2	7.0	7.8	8.7	9.9	11.2	12.5	14.3	18.0	21.8
	Water	Cooling	Nom.	kPa	6	59	55	49	48	51	54	32	39	66	69
	pressure drop	Heating	Nom.	kPa	7	73	59	51	50	53	57	33	42	70	73
Compressor	Type								Scro	ll compre	essor				
	Quantity									2					
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0		88.0		90.0	92.0	9:	3.0
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0		72.0		74.0	7	6.0	77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB						-8~15					-
-	•	Heating	Min.~Max.	°CDB						-8~15					
	Condenser	Cooling	Min.~Max.	°CDB						25~55					
		Heating	Min.~Max.	°CDB						25~55					
Refrigerant	Type/GWF	)							R-	410A/2,08	37.5				
	Circuits	Quantity								1					
Refrigerant charge		•		kg/TCO2Eq	9.0/	/18.8	10.0	/20.9	13.0/27.1	11.0/23.0	13.0/27.1	15.0	/31.3	19.0	)/39.7
Piping connections	Evaporato	r water inl	et/outlet (OD)		1"	1/2				2" 1/2					3"
-	Condense	r water inle	et/outlet (OD)		1"	1/2				2" 1/2					3"
Power supply	Phase/Fre	quency/Vo	oltage	Hz/V						3~/50/400	)				
Unit	Starting current	Max		Α	204	255	261	308	316	354	368	466	481	640	677
	Running	Cooling	Nom.	Α	43	46	50	56	63	71	78	88	97	123	148
	current				-						· ·		-	+	+

120

130 150 160 190

88

102

current

## Water cooled multi-scroll chiller, standard efficiency, standard sound

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- > Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- > Conceived for stacked installation of two single circuit units to reduce the footprint
- > High efficiency and reliable scroll compressor
- > High flexibility for a wide variety of applications
- > Allows sequencing control (up to 4 units) without any external device
- > Stainless steel plate heat exchanger
- > Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- > MicroTech 4 controller with superior control logic and easy interface



More details and final information can be found by scanning or clicking the QR codes.



EWWQ-G-SS

Cooling Only			EW	/WQ-G-SS	090	100	120	130	150	170	190	210	240	300	360
Space cooling	A Condition 35°C	Pdc		kW	93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
	ηs,c			%	209.08	215.32	233.52	227.68	233.04	233.36	220.32	235.56	231.84	236.64	211.36
SEER					5.427	5.583	6.038	5.892	6.026	6.034	5.708	6.089	5.996	6.116	5.484
Cooling capacity	Nom.			kW	93.7	105.6	119	135.9	150	172.1	193.8	220.7	246.1	314.3	370.4
Power input	Cooling	Nom.		kW	21.3	24	26.9	30.5	33.9	38.9	43.8	50.74	56.1	70.2	84
Capacity control	Method									Fixed					
	Minimum	capacity		%	50	43	50	44	50	45	50	43	50	40	50
EER					4.399	4.4	4.424	4.456	4.425	4.424	4.425	4.349	4.387	4.477	4.41
ESEER					5.51	5.52	5.51	5.53	5.51	5.53			5.52		
IPLV					6.71	6.79	6.22	6.36	6.22	6.32	6.3	6.31	6.1	6.28	6.16
Dimensions	Unit	Height		mm					1,066					1,1	86
		Width		mm						928					
		Length		mm	2,4	132		2,264				2,4	132		
Weight	Unit			kg	516	606	728	762	795	832	871	921	934	1,083	1,181
	Operation	weight		kg	554.9	652.4	781.6	821.4	859	901.4	945.9	1,009.6	1,023.2	1,194.7	1,311.1
Water heat	Туре								Plate l	heat exch	anger				
exchanger -	Water volu	ıme		- 1	6		8	10	12	13	15	1	7	27	34
evaporator	Water flow rate	Nom.		l/s	4.5	5.07	5.7	6.51	7.18	8.24	9.28	10.57	11.79	15.06	17.74
	Water pressure drop	Cooling	Nom.	kPa	48.8	49	39.1	33	32.6	34.5	36.7	33.8	41.8	46	5.8
Water heat	Type								Plate l	neat exch	anger				
exchanger -	Water volu	ıme		I	6		8	10	12	13	15	1	7	27	34
condenser	Water flow rate	Nom.		l/s	5.52	6.23	7.05	8.04	8.87	10.17	11.43	13.02	14.53	18.46	21.81
	Water pressure drop	Cooling	Nom.	kPa	72	73	60	5	50	52	56	46	57	69	71
Compressor	Type								Driven va	pour con	npression				
	Quantity									2					
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0		88.0		90.0	92.0	93	3.0
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0		72.0		74.0	76	5.0	77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB						-10~15					
		Heating	Min.~Max.	°CDB						-10~15					
	Condenser	Cooling	Min.~Max.	°CDB						25~55					
		Heating	Min.~Max.	°CDB						25~55					
Refrigerant	Type/GWP	)							R-	410A/2,08	7.5				
	Charge			kg	1	0	1	1	1.	2	15	16	17	19	20
	Circuits	Quantity								1					
Refrigerant charge				TCO2Eq	20.	.88	22	.96	25.	.05	31.31	33.40	35.49	39.66	41.75
Piping connections	s Evaporato	r water inl	et/outlet (OD)		1" '	1/2				2" 1/2				3	3"
	Condense	r water inl	et/outlet (OD)		1" '	1/2				2" 1/2				3	3"
Unit	Starting current	Max		Α	204	255	261	308	316	354	368	466	481	640	677
	Running	Cooling	Nom.	Α	42	45	48	54	61	68	76	86	95	118	143
	current	Max		Α	59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Fre	aa.a.a/\/a	la	Hz/V						3~/50/400	`				

## Water cooled multi-scroll chiller, standard efficiency, standard sound

- Dual refrigerant circuit (4 scroll compressors) with single evaporator
- > Heat pump version available
- Compact design to allow easy indoor installation or retrofit operations
- > High efficiency and reliable scroll compressor
- > Stainless steel plate heat exchanger
- > High flexibility for a wide variety of applications
- > Allows sequencing control (up to 4 units) without any external device
- > Pump (low 100 kPa and high 200 kPa lift) available for evaporator and condenser
- > MicroTech 4 controller with superior control logic and easy interface



More details and final information can be found by scanning or clicking the QR codes.



EWWQ-L-SS

Cooling only/Hear	ting only			EWWQ-L-SS	180	205	230	260	290	330	380
Space cooling	A Condition 35°C	Pdc		kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8
	ηs,c			%	211.72	222.72	232.76	230.32	236.76	233.32	224.84
SEER					5.493	5.768	6.019	5.958	6.119	6.033	5.821
Cooling capacity	Nom.			kW	187.4	215.1	244.3	272.6	303.2	344.5	386.8
Power input	Cooling	Nom.		kW	41.7	47.3	53.1	60.2	67.1	77.1	87
Capacity control	Method							Fixed			
	Minimum	capacity		%	25	21	25	22	25	23	25
EER					4.494	4.548	4.601	4.528	4.519	4.468	4.446
ESEER					5.	.54	5.52	5.53	5.54	5.53	5.54
IPLV					6.77	6.84	6.35	6.38	6.31	6.32	6.36
Dimensions	Unit	Height		mm				1,970			
		Width		mm				928			
		Length		mm				2,801			
Weight	Unit			kg	877	1,062	1,285	1,347	1,439	1,498	1,559
	Operation	weight		kg	957	1,156	1,401	1,469	1,575	1,641	1,723
Water heat	Type						Pla	ite heat exchar	iger		
exchanger -	Water volu	ıme			35	41		53	(	55	76
evaporator	Water flow rate	Nom.		I/s	8.97	10.29	11.69	13.04	14.5	16.48	18.51
	Water pressure drop	Cooling	Nom.	kPa	28	27.6	22.6	28	25.1	32.2	31.9
Water heat	Туре						Pla	ite heat exchar	iger		
exchanger -	Water volu	ıme		I	19	22	2	29	3	35	41
condenser	Water flow rate	Nom.		I/s	11.02	12.66	14.4	16.12	17.9	20.38	22.8
	Water pressure drop	Cooling	Nom.	kPa	72	73	61	49	50	51	55
Compressor	Туре						Drive	n vapour comp	ression		
	Quantity							4			
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0		91.0	
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74	1.0	73.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB				-10~15			
		Heating	Min.~Max.	°CDB				-10~15			
	Condenser	Cooling	Min.~Max.	°CDB				25~55			
		Heating	Min.~Max.	°CDB				25~55			
Refrigerant	Type/GWP	)						R-410A/2,087.5	5		
	Charge			kg	2	20	2	22	2	<u>.</u> 4	30
	Circuits	Quantity						2			
Refrigerant charge				kg/TCO2Eq	10.0	/20.9	11.0	/23.0	12.0	/25.1	15.0/31.3
Piping connections	Evaporato	r water inl	et/outlet (OD)				·	3"			
-	Condense	r water inl	et/outlet (OD)		1"	1/2			2" 1/2		
Jnit	Starting current	Max		А	263	320	333	388	403	456	484
	Running	Cooling	Nom.	А	83	89	96	109	121	137	151
	current	Max		A	118	131	144	160	175	205	232
		quency/Vo		Hz/V				3~/50/400			

#### Water to water screw heat pump, standard efficiency, standard sound

- > Compact design to allow easy indoor installation or retrofit operations
- > Daikin semi-hermetic single screw stepless compressor
- > High energy efficiency both at full and part load conditions
- > Chilled water temperatures down to -10°C on standard unit
- > Optimised for use with R-134a
- > MicroTech 4 controller with superior control logic and easy interface



More details and final information can be found by scanning or clicking the QR codes.



Cooling & Heating			E	WWD-J-SS	120	140	150	180	210	250	280
Space heating	Average climate wate outlet 55°C	General r	SCOP		4.03	4.11	4.16	4.17	4.17	4.23	3.83
Cooling capacity	Nom.			kW	119.7	145.7	154.3	177.3	207.3	255.3	284.1
Heating capacity	Nom.			kW	144.2	175.4	189.8	217.8	252.2	308.4	347.4
Power input	Cooling	Nom.		kW	28.0	34.0	39.5	45.3	50.4	59.9	70.0
Capacity control	Method							Stepless			
	Minimum	capacity		%				25.0			
EER		,			4.28	4.28	3.91	3.92	4.11	4.26	4.06
СОР					5.	20	4.84	4.85	5.04	5.17	4.98
IPLV					5.18		.06	5.05	5.16	5.70	4.88
Dimensions	Unit	Height		mm				1,020			
		Width		mm				913			
		Length		mm				2,684			
Weight	Unit			kg	1,177	1,233	1,334	1,366	1,416	1,600	1,607
3	Operation	weiaht		kg	1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat	Туре				,	, .	<u> </u>	te heat exchan	· ·	,	,
exchanger -	Water volu	ıme		- 1	14	18	14	17	20	2	6
evaporator	Water flow rate		Nom.	l/s	5.7	7.0	7.4	8.5	9.9	12.2	13.6
	Water flow rate		Nom.	I/s	9.3	11.3	12	13.8	16.1	19.8	22.1
	Water	Cooling	Nom.	kPa	15	14	43	40	35	28	34
	pressure drop	Heating	Nom.	kPa	36	34	103	96	85	68	82
Water heat	Туре						Single	e pass shell and	tube		
exchanger -	Water volu	ıme		1	2	20	23	25		9	32
condenser	Water flow rate	Cooling	Nom.	I/s	7.1	8.64	9.32	10.7	12.4	15.2	17.0
	Water flow rate	Heating	Nom.	I/s	6.93	8.44	9.13	10.5	12.1	14.8	16.7
	Water	Cooling	Nom.	kPa	20	13	1	1	15	17	27
	pressure drop	Heating	Nom.	kPa	19	12	1	1	15	16	26
Compressor	Type						Singl	e screw compr	essor		
·	Quantity							1			
Sound power level		Nom.		dBA				89			
Sound pressure level		Nom.		dBA				79			
Operation range	Evaporator	Cooling	Min.~Max.	°CDB				-10~15			
	Condenser	Cooling	Min.~Max.	°CDB				23~60			
Refrigerant	Type/GWF	)						R-134a/1,430			
	Circuits	Quantity						1			
Refrigerant charge	Per circuit			kg/TCO2Eq	18.0/25.7	35.0/50.1	34.0/48.6	37.0/	/52.9	38.0	/54.3
Piping connections				mm				76.2			
Piping connections	Condense	r water inl	et/outlet (OD)		2" 1/2	4"					
Unit	Starting current	Max	· ,	А	1.	53		197		29	90
	Running	Cooling	Nom.	Α	48	57	67	74	83	97	109
	current	Max		A	85	103	114	130	154	178	201

performances according to CSS software 10.34 Fluid: Water; Fouling factor = 0m 2°C/W

#### Water to water screw heat pump, standard efficiency, standard sound

- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > Daikin semi-hermetic single screw compressor
- > Direct expansion plate to plate evaporator
- > Shell and tube condenser
- > Silver efficiency and standard sound
- > Upgrade to new MicroTech 4 controller



More details and final information can be found by scanning or clicking the QR codes.



				EWWH-J-SS	090	110	120	130	150	180	200
Space heating	Average climate wate outlet 55°C	General r	SCOP		3.91	3.92	3.78	3.77	3.80	3.90	3.84
Cooling capacity	Nom.			kW	88.77	107.1	115.1	133.5	150.1	181.6	200.6
Heating capacity	Nom.			kW	107.2	129.2	140.9	162.3	182.2	220.5	245
Power input	Cooling	Nom.		kW	30	36.3	41.7	47.8	54.2	65.7	74.4
Capacity control	Method							Stepless			
	Minimum	capacity		%				25			
EER					3.85	3.75	3.72	3.78	3.82	3.67	3.66
COP					4.69	4.57	4.52	4.59	4.67	4.46	4.46
IPLV					4.1	4.11	4.09	4.11	4.12	4.64	4.59
Dimensions	Unit	Height		mm				1,020			
		Width		mm				913			
		Length		mm				2,684			
Weight	Unit			kg	1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation	weight		kg	1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat	Type						Pla	te heat exchan	ger		
exchanger -	Water vol	ume		1	14	18	14	17	20	2	16
evaporator	Water	Cooling	Nom.	l/s	4.24	5.11	5.49	6.37	7.16	8.66	9.57
	flow rate	Heating	Nom.	I/s	6.8	8.3	8.9	10.2	11.8	13.9	15.4
	Water	Cooling	Nom.	kPa	10.7	10.9	19.3	19.3	17.8	16.8	20.1
	pressure dro	<sup>0</sup> Heating	Nom.	kPa	24.9	25.9	45.6	44.9	43.7	39.2	47.4
Water heat	Type						Singl	e pass shell and	l tube		
exchanger -	Water volu	ume		1	20	20	23	25	2	.9	32
condenser	Water	Cooling	Nom.	I/s	5.18	6.31	6.79	7.84	9.1	10.7	11.9
	flow rate	Heating	Nom.	I/s	6.77	8.27	8.86	10.2	11.8	13.9	15.4
	Water	Cooling	Nom.	kPa	9.1	9.7	8.7	9.1	9.3	12.3	12.1
	pressure dro	<sup>0</sup> Heating	Nom.	kPa	24.9	25.9	45.6	44.9	43.7	39.2	47.4
Compressor	Type						Sing	e screw compr	essor		
	Quantity							1			
Sound power leve	l Cooling	Nom.		dBA				89			
Sound pressure leve	el Cooling	Nom.		dBA				79			
Refrigerant	Type							R-1234(ze)			
	Charge			kg	18	35	34	3	37	] 3	8
	Circuits	Quantity						1			
Piping connection	s			mm				76.2			
	Condense	r water inle	et/outlet	inch	2" 1/2				4		
Unit	Starting current	Max		А	1:	53		197		2	90
	Running	Cooling	Nom.	A	39	44	55	60	65	76	84
	current	Max		A	75	90	100	114	143	158	178
Power supply	Phase/Fre	quency/Vo	oltage	Hz/V				3~/50 /400			

performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0m 2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.

#### Water to water screw heat pump, standard efficiency, standard sound

- > Refrigerant R-513A
- > Daikin semi-hermetic single screw compressor
- > Direct expansion plate to plate evaporator
- > Shell and tube condenser
- > Silver efficiency and standard sound
- > Upgrade to new MicroTech 4 controller



More details and final information can be found by scanning or clicking the QR codes.



				EWWS-J-SS	120	140	150	180	210	240	270
Space heating	Average climate wate outlet 55°C	General r	SCOP		3.63	3.54	3.56	3.59	3.62	3.54	3.58
Cooling capacity	Nom.			kW	115.2	136.3	154.7	180.6	207.3	241	272.2
Heating capacity	Nom.			kW	141.7	167.5	191.3	223	256.9	297.	338.2
Power input	Cooling	Nom.		kW	30	36.3	41.7	47.8	54.2	65.7	74.4
Capacity control	Method							Stepless			
	Minimum	capacity		%				25			
EER					3.85	3.75	3.72	3.78	3.82	3.67	3.66
СОР					4.69	4.57	4.52	4.59	4.67	4.	.46
IPLV					4.1	4.11	4.09	4.11	4.12	4.64	4.59
Dimensions	Unit	Height		mm				1,020			
		Width		mm				913			
		Length		mm				2,684			
Weight	Unit			kg	1,177	1,233	1,334	1,366	1,416	1,600	1,607
	Operation	weight		kg	1,211	1,276	1,378	1,415	1,473	1,663	1,675
Water heat	Туре						Pla	te heat exchan	ger		
exchanger -	Water volu	ume		I	14	18	14	17	20	2	26
evaporator	Water	Cooling	Nom.	l/s	5.5	6.5	7.38	8.62	9.89	11.5	13
	flow rate	Heating	Nom.	I/s	8.8	10.8	12.1	13.8	15.5	19	21.1
	Water	Cooling	Nom.	kPa	17.1	16.8	32.8	33.4	31.8	27.9	34.8
	pressure drop	Heating	Nom.	kPa	40.1	41.7	79.4	78.1	71.5	68.9	83.3
Water heat	Туре						Singl	e pass shell and	ltube		
exchanger -	Water volu	ume		I	20	20	23	25	2	29	32
condenser	Water	Cooling	Nom.	I/s	6.87	8.38	9.39	10.8	12.1	14.8	16.5
	flow rate	Heating	Nom.	I/s	6.72	8.2	9.2	10.6	11.9	14.5	16.2
	Water	Cooling	Nom.	kPa	15	16.1	15.4	15.9	15.4	22	21.6
	pressure drop	Heating	Nom.	kPa	14.4	15.5	14.8	15.3	14.8	21.2	20.8
Compressor	Type						Sing	le screw compr	essor		
	Quantity							1			
Sound power level	Cooling	Nom.		dBA				89			
Sound pressure level	Cooling	Nom.		dBA				79			
Refrigerant	Type							R-513A			
	Charge			kg	18	35	34	3	7	3	38
	Circuits	Quantity						1			
piping connections				mm				76.2			
piping connections	Condense	r water inl	et/outlet	inch	2" 1/2			-	1		
Unit	Starting current	Max		А	1	54		198		2	91
	Running	Cooling	Nom.	Α	50	60	70	78	87	104	117
	current	Max		Α	81	96	108	122	141	164	185
Power supply	Phase/Fre	quency/Vo	oltage	Hz/V				3~/50 /400			

performances according to CSS software 10.34
Fluid: Water; Fouling factor = 0m 2°C/W
Cooling performances: evaporator 12.0/7.0°C, condenser 30.0/35.0°C; Heating performances (Low temperature application): evaporator 10.0/7.0°C, condenser 30.0/35.0°C.



The VZ chiller series were developed and manufactured to answer the growing market demands on high efficient chiller series. Thanks to the continuous evolution in components' technology, we are the first to reach the highest peak in chiller efficiency and technology.

#### EWW(H)(D)(S)-VZ at a glance

#### Single compressor

#### 440kW - 1,050kW with R134a or R513A 1,170kW - 2,070kW with R134a or R513A . 330kW – 790kW with R1234ze 865kW - 1,540kW with R1234ze of everything: 2 compressors, 2 expansion valves, 2 condensers, CHILLER SERIES Full inverter water cooled chiller New condenser design with integral oil separator *▼INVERTER* High efficient flooded heat exchangers Highest efficiency in the market in its category Unique Daikin single screw compressor technolog TOP CLASS EFFICIENCY

#### Performance monitoring

With MT4, advanced algorithm implementation in the unit controller are possible, such as the **Performance Monitoring** (Option 186). This sensor-less algorithm calculates the unit cooling capacity by using refrigerant pressure and temperature readings. Electrical power is calculated either from compressor VFD power and fan, or directly measured through optional energy meter. As a standard(\*), **no extra-hardware is required**.

Dual compressor & dual circuit unit

(\*) For TZ-B units an additional sub-cooling temperature sensor is required.

#### Why choose EWW(H)(D)(S)-VZ at a glance chiller series?

- Top class efficiency
  Thanks to:
- > New generation Daikin inverter screw compressors
- > New generation high efficiency heat exchangers
- > Variable volume ratio technology
- > Optimized refrigerant circuit design
- Compact unit: 40% footprint reduction
  Thanks to:
- > New single pass condenser technology
- > New integrated oil separator technology
- > Optional knock down panel which reduces the unit width
- 3 Application flexibility: widest operating envelope in its range
- 4 Connectivity: Daikin on site cloud platform
- 5 Future readiness: Choose for today's best solution and be ready for the future!

#### Supporting tools

#### Product video









#### Marketing material

All marketing material can be downloaded from the business portal. Asset finder > Campaign > VZ chiller series









CHILLER SERIES



#### Product profile

Want to know more about this product? Have a look at our website and download the product profile:

www.daikineurope.com/vzchillerseries

# Water cooled screw inverter chiller, standard efficiency, standard sound

- > Optimized energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 65°C hot water production)
- > Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- > Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- > One or two truly independent refrigerant circuits for outstanding reliability



More details and final information can be found by scanning or clicking the QR codes.



EWWD-VZSS

Cooling only/Heat	ing only		E	WWD-VZSS	600	700	760	890	C10	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition (35°C - 27/19			kW	609.91	704.22	756.52	894.23	1,039.49	1,173.02	1,288.02	1,381.01	1,552.02	1,722.02	1,875.55	2,051.2
	ηs,c			%	34	40	337.2	331.6	332	337.2	331.6	331.2	320.8	338.8	322	338.8
SEER					8	.7	8.63	8.49	8.5	8.63	8.49	8.48	8.22	8.67	8.25	8.67
Cooling capacity	Nom.			kW	610	704	757	894	1,039	1,173	1,288	1,381	1,552	1,722	1,876	2,051
Power input	Cooling	Nom.		kW	110	132	142	162	196	231	252	276	315	339	380	404
Capacity control	Method									Vari	able					
	Minimum	capacity		%			20						10			
EER					5.5	5.31	5.3	5.52	5.29	5.07	5.11	5	4.93	5.08	4.93	5.08
IPLV					9.43	9.36	9.4	9.37	9.4	9.52	9.56	9.57	9.36	9.7	9.38	9.65
Dimensions	Unit	Height		mm		2,123		2,292	2,487		2,2	296		2,350	2,338	2,498
		Width		mm	1,178	1,1	79	1,233	1,303	1,484	1,4	187	1,484	1,580	1,627	1,753
		Length		mm	3,722	3,7	'50	3,690	3,822		4,7	792		4,5	808	4,750
Weight	Unit			kg	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation	weight		kg	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat	Туре								Flo	oded sh	ell and tu	ıbe				
exchanger -	Water volu	ume		I	8	18	96	134	156	2	30	2	70	32	20	380
evaporator	Water flow rate	Cooling	Nom.	I/s	29.2	33.8	36.3	42.9	49.9	56.2	61.7	66.1	74.4	82.5	89.9	98.2
	Water pressure drop	Cooling	Nom.	kPa	79	106	88	98	102	69	84	70	89	78	92	80
Water heat	Type									Shell a	nd tube					
exchanger -	Water volu	ume		I	81	10	)2	126	217	180		200		270	250	430
condenser	Water flow rate	Cooling	Nom.	l/s	35.3	41	44.1	51.9	60.6	69.1	75.8	81.5	91.9	101	111	120
	Water pressure drop	Cooling	Nom.	kPa	31	29	33	29	33	44	39	45	66	42	55	37
Compressor	Type								Drive	en vapou	ır compr	essor				
	Quantity						1						2			
Sound power level	Cooling	Nom.		dBA	101		105		107	10	)6	10	07	10	08	110
Sound pressure level	Cooling	Nom.		dBA	82		86		88	8	7	8	8	8	19	90
Operation range	Evaporato	r	Min.~Max.	°CDB	ĺ					-12·	~20					
	Condense	r	Min.~Max.	°CDB						19-	-63					
Refrigerant	Type/GWF	)								R-134a	/1,430					
	Charge			kg	125	120	125	145	180	250	260	270	220	305	290	350
	Circuits	Quantity					1						2			
Piping connections				mm		139.7		168.3				21	9.1			
	Condense	r water inl	et/outlet (OD)			168.3mm	1	219.	1mm		168.3/16	58.3 mm		219	9.1/219.1 m	nm
	Running current	Cooling	Nom.	Α	171	202	220	249	300	349	379	414	470	508	566	604
Unit	Running current	Max		Α	235	280	301	342	417	470	513	559	621	696	758	834
Power supply	Phase/Fre	quency/Vo	oltage	Hz/V						3~/50	0/400					
performances according		' '		-, -												

performances according to CSS software 10.33  $\,$ 

# Water cooled screw inverter chiller, high efficiency, standard sound

- > High energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- > Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- > One or two truly independent refrigerant circuits for outstanding reliability



More details and final information can be found by scanning or clicking the QR codes.



Cooling only/Heat	ing only			<b>EWWD-VZXS</b>	450	500	610	710	800	900	C11	C12	C13	C14	C16	C17	C19	C21
Space cooling	A Condition (35°C - 27/19)			kW	448.83	500.51	612.77	713.11	793.52	901.21	1,053.02	1,194.03	1,305.01	1,406.98	1,593.03	1,748.03	1,912.01	2,074.0
	ηs,c			%	324.8	329.2	347.2	350	345.6	337.6	344.4	347.6	342.4	348	347.2	347.6	337.2	344.4
SEER					8.32	8.43	8.88	8.95	8.84	8.64	8.81	8.89	8.76	8.9	8.88	8.89	8.63	8.81
Cooling capacity	Nom.			kW	449	501	613	713	794	901	1,053	1,194	1,305	1,407	1,593	1,748	1,912	2,074
Power input	Cooling	Nom.		kW	81.2	89.7	108	128	146	159	192	221	244	262	296	329	365	394
Capacity control	Method				İ						Vari	able						
' /	Minimum	capacity		%				20							10			
EER					5.53	5.58	5.64	5.54	5.43	5.67	5.46	5.38	5.34	5.36	5.38	5.31	5.23	5.25
IPLV					9.42	9.59	9.52	9.66	9.64	9.48	9.58	9.66	9.67	9.76	9.74	9.82	9.68	9.7
Dimensions	Unit	Height		mm	2,1	35	2,123	2,2	235	2,4	187	2,2	96	2,301	2,350	2,500	2,469	2,493
		Width		mm	1,1		1,179		89		803	1,484		1,579	1,580	1,610	1,704	
		Length		mm		'22	3,750		590		322		792	-	08	4,750		874
Weight	Unit			kg	2,968	2,911	3,102	3,470		4,257	4,552				6,920	7,530	7,790	8,670
	Operation	weiaht		kg	3,098	3,006	3,274	3,648		4,518	4.860		-	7,130	7,530	8,300	8,560	-
Water heat	Туре			9	,,,,,	-,	-,	-,	-,	,	ded sh	.,.	.,	.,	.,		, -,	-,
exchanger -	Water volu	ıme		1	70	88	136	13	34	168	199		70	32	20	380	4	80
evaporator	Water flow rate		Nom.	I/s	21.5	24	29.3	34.1	38	43.2	50.4	57.1	62.5	67.3	76.3	83.6	91.4	99.2
	Water pressure drop	Cooling	Nom.	kPa	89	63	59	63	55	67	59	52	62	52	67	58	49	58
Water heat	Туре										Shell ar	nd tube						
exchanger -	Water volu	ıme		I	81	92	126	145	126	217	241	240	250	29	90	390	290	480
condenser	Water flow rate	Cooling	Nom.	I/s	26.4	29.4	35.3	41.2	46.1	52	61	69.8	76.3	82.2	93.2	102	112	121
	Water pressure drop	Cooling	Nom.	kPa	31	28	22	20	24	2	25	2	8	21	32	27	37	28
Compressor	Туре									Drive	n vapou	r comp	ressor					
·	Quantity							1			•				2			
Sound power level	Cooling	Nom.		dBA	97	99	101		105		107	10	)6	10	)7	108	109	110
Sound pressure level	Cooling	Nom.		dBA	78	80	82		86		88	8	7	8	8	8	9	90
Operation range	Evaporator	•	Min.~Max.	°CDB							-12 <sup>-</sup>	~20						
,	Condenser		Min.~Max.	°CDB							19~	-65						
Refrigerant	Type/GWP	)									R-134a	/1,430						
_	Charge			kg	11	0	125	140	160	200	185	270	260	230	290	290	320	370
	Circuits	Quantity						1		,					2			
Piping connections				mm		139.7		16	8.3				219.1				2	73
	Condense	r water inle	et/outlet (OD	)	168.3	Bmm			219.1mm	ì		168.3/ 219.1 mm			219.1/21	9.1 mm		
	Running current	Cooling	Nom.	Α	126	140	171	201	229	249	299	340	372	400	450	498	554	596
Unit	Running current	Max		Α	172	191	235	280	316	342	417	470	513	559	621	696	758	834
Power supply	Phase/Fre		In a contract of	Hz/V	i e						3~/50							

# Water cooled screw inverter chiller, premium efficiency, standard sound

- > Premium energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 65°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- > Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- > High efficient flooded type heat exchanger allowing maximum unit performances
- > One or two truly independent refrigerant circuits for outstanding reliability



More details and final information can be found by scanning or clicking the QR codes.



FWWD-V7PS

Cooling only/ Hea	ting only		E	WWD-VZPS	505	715	910	C12	C16	C18
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	505.02	717.71	908.11	1,201.02	1,604.03	1,757.0
	ηs,c			%	339.6	355.2	344.4	353.6	354	350
SEER					8.69	9.08	8.81	9.04	9.05	8.95
Cooling capacity	Nom.			kW	505	718	908	1,201	1,604	1,757
Power input	Cooling	Nom.		kW	85.1	124	153	218	291	326
Capacity control	Method						Var	iable		
	Minimum	capacity		%		20			10	
EER					5.93	5.77	5.91	5.49	5.5	5.39
IPLV					9.61	9.68	9.57	9.79	9.82	9.92
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Length		mm	3,750	3,	822	4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation	weight		kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat	Туре						Flooded sh	ell and tube		
exchanger -	Water volu	me		I	96	168	199	320	380	480
evaporator	Water flow rate	Cooling	Nom.	l/s	24.2	34.3	43.4	57.4	76.7	84
	Water pressure drop	Cooling	Nom.	kPa	55	42	44	38	49	41
Water heat	Туре						Shell a	nd tube		
exchanger -	Water volu	me		T I	126	217	241	270	390	470
condenser	Water flow rate	Cooling	Nom.	I/s	29.4	41.3	52.1	69.9	93.4	102
	Water pressure drop	Cooling	Nom.	kPa	16	17	19	:	21	28
Compressor	Туре						Driven vapor	ur compressor		
·	Quantity					1			2	
Sound power level	Cooling	Nom.		dBA	99	1	105	106	107	109
Sound pressure level	Cooling	Nom.		dBA	80		86	87	88	89
Operation range	Evaporator		Min.~Max.	°CDB			-12	~20		
_	Condenser		Min.~Max.	°CDB			19	~65		
Refrigerant	Type/GWP						R-134	a/1,430		
-	Charge			kg	120	195	185	305	320	350
	Circuits	Quantity				1			2	
Piping connections				mm	139.7		2	19.1		273
-	Condense	water inle	et/outlet (OD)			219.1mm			219.1/219.1 mm	
	Running current	Cooling	Nom.	А	138	200	247	338	447	497
Unit	Running current	Max		Α	191	280	342	470	621	696
		quency/Vo		Hz/V				0/400		

performances according to CSS software 10.33  $\,$ 



# Water cooled screw inverter chiller, standard efficiency, standard sound

- > Optimized energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 75°C hot water production)
- > Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- > Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- > High efficient flooded type heat exchanger allowing maximum unit performances
- > One or two truly independent refrigerant circuits for outstanding reliability



More details and final information can be found by scanning or clicking the QR codes.



Cooling only/Heat	ing only		ı	WWH-VZSS	445	515	550	660	770	860	940	C10	C12	C13	C14	C15
Space cooling	A Condition (35°C - 27/19)			kW	443	512	548.51	657.51	767.8	865.2	940.6	1,011.7	1,142.46	1,271.38	1,396.11	1,524.8
	ηs,c			%	336.4	338.4	336.8	348.4	345.2	318.4	327.2	339.6	331.2	340	345.6	353.2
SEER					8.61	8.66	8.62	8.91	8.83	8.16	8.38	8.69	8.48	8.7	8.84	9.03
Cooling capacity	Nom.			kW	443	512	549	658	768	865	941	1,012	1,142	1,271	1,396	1,525
Power input	Cooling	Nom.		kW	82.8	98.1	107	123	149	172	188	205	235	254	282	302
Capacity control	Method									Vari	able					
	Minimum	capacity		%			20						10			
EER					5.35	5.22	5.15	5.34	5.14	5.02	5	4.93	4.87	5.01	4.95	5.04
IPLV					9.	25	9.24	9.48	9.32	8.94	9.08	9.13	9.14	9.3	9.13	9.34
Dimensions	Unit	Height		mm		2,123		2,292	2,487		2,2	296		2,350	2,338	2,498
		Width		mm	1,178	1,	179	1,233	1,303	1,484	1,4	187	1,484	1,580	1,627	1,753
		Length		mm	3,722	3,	750	3,690	3,822		4,7	792		4,5	808	4,750
Weight	Unit			kg	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operation	weight		kg	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat	Type								Flo	oded sh	ell and tu	ıbe				
exchanger -	Water volu	ıme		I	8	8	96	134	156	2:	30	2	70	32	20	380
evaporator	Water flow rate	Cooling	Nom.	I/s	21.2	24.5	26.2	31.5	36.8	41.4	45	48.4	54.6	60.8	66.8	72.9
	Water pressure drop	Cooling	Nom.	kPa	46	61	52	59	64	39	46	39	50	44	53	45
Water heat	Туре									Shell a	nd tube					
exchanger -	Water volu	ıme		ı	81	1	02	126	217	180		200		270	250	430
condenser	Water flow rate	Cooling	Nom.	I/s	25.5	29.6	31.8	38.1	44.8	50.3	54.8	59	66.8	74	81.4	88.7
	Water pressure drop	Cooling	Nom.	kPa	19	17	20	19	17	25	22	25	38	25	32	18
Compressor	Туре								Drive	n vapou	r compre	ession				
	Quantity						1						2			
Sound power level	Cooling	Nom.		dBA	101		105		107	10	)6	1	07	10	08	110
Sound pressure level	Cooling	Nom.		dBA	82		86		88	8	37	8	38	8	19	90
Refrigerant	Type/GWP									R-1234	1(ze)/7					
	Charge			kg	125	124	105	145	190	210	230	250	220	28	30	320
	Circuits	Quantity					1						2			
Piping connections		· ·		mm		139.7		168.3				2	19.1			
	Condense	r water inle	et/outlet (OD)			168.3mn	ı	219.1	1mm		168.3/16	58.3 mm		219	9.1/219.1 n	nm
Unit	Running	Cooling	Nom.	Α	131.0	153.0	167.0	188.0	227.0	264.0	287.0	312.0	353.0	385.0	426.0	458.0
	current	Max		А	183	226	235	268	324	374	402	451	493	549	591	647
Power supply	Phase/Free	auoneu/\/e	ltago	Hz/V						3~/50	2/400					

performances according to CSS software 10.33  $\,$ 

# Water cooled screw inverter chiller, high efficiency, standard sound

- > High energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 75°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- > Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- High efficient flooded type heat exchanger allowing maximum unit performances
- > One or two truly independent refrigerant circuits for outstanding reliability



More details and final information can be found by scanning or clicking the QR codes.



Cooling only/Heat	ing only		EV	WH-VZXS	335	365	450	525	580	670	800	875	950	C11	C12	C13	C14	C15
Space cooling	A Condition (35°C - 27/19			kW	329.01	364.52	448	520.61	579.19	665.41	788.2	877.36	952.01	1,028.81	1,169.3	1,288.48	1,421.75	1,540.03
	ηs,c			%	296	307.2	343.6	347.2	343.2	356	354.4	326	334		346.8		358	356.8
SEER					7.6	7.88	8.79	8.88	8.78	9.1	9.06	8.35	8.55		8.87		9.15	9.12
Cooling capacity	Nom.			kW	329	365	448	521	579	665	788	877	952	1,029	1,169	1,288	1,422	1,540
Power input	Cooling	Nom.		kW	60.5	66.6	81	96	109	121	147	168	185	198	224	248	276	298
Capacity control	Method										Vari	able						
	Minimum	capacity		%				20							10			
EER					5.44	5.48	5.53	5.42	5.29	5.49	5.37	5.23	5.16	5.19	5.22	5.19	5	.16
IPLV					8.51	8.79	9.46	9.51	9.47	9.63	9.65	9.19	9.27	9.46	9.37	9.52	9.23	9.5
Dimensions	Unit	Height		mm	2,1	35	2,123	2,2	235	2,4	187	2,2	296	2,301	2,350	2,500	2,469	2,493
		Width		mm	1,1	78	1,179	1,1	89	1,3	803	1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Length		mm	3,7	722	3,750	3,6	90	3,8	322	4,7	792	4,5	508	4,750	4,	874
Weight	Unit			kg	2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation	weight		kg	3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat	Type									Floo	oded sh	ell and 1	tube					
exchanger -	Water volu	ıme			70	88	136	13	34	168	199	2	70	3	20	380	4	80
evaporator	Water flow rate	Cooling	Nom.	I/s	15.8	17.5	21.4	24.9	27.7	31.8	37.7	41.9	45.5	49.1	55.9	61.6	67.9	73.6
	Water pressure drop	Cooling	Nom.	kPa	54	38	35	37	31	39	36	29	34	28	37	32	28	33
Water heat	Water volu	ıme		I	81	92	126	145	126	217	241	240	250	2	90	390	290	480
exchanger -	Water flow rate	Cooling	Nom.	I/s	18.9	20.9	25.7	30	33.5	38.4	45.7	50.7	55.1	59.6	67.6	74.6	82.3	89.3
condenser	Water pressure drop	Cooling	Nom.	kPa	19	16	13	12	15	13		16		13	19	16	23	16
Compressor	Туре									Driver	vapou	r compi	ression					
	Quantity							1							2			
Sound power level	Cooling	Nom.		dBA	97	99	101		105		107	10	)6	1	07	108	109	110
Sound pressure level	Cooling	Nom.		dBA	78	80	82		86		88	8	37	8	38	8	19	90
Refrigerant	Type/GWF	)									R-1234	1(ze)/7						
	Charge			kg	124	110	125	140	130	200	185	250	220	270	255	305	320	346
	Circuits	Quantity						1							2			
Piping connections				mm		139.7		16	8.3				219.1				2	73
	Condense	r water inle	et/outlet (OD)		168.3	3mm			219.1mm	ı		168.3/ 219.1 mm			219.1/21	9.1 mm		
Unit	Running	Cooling	Nom.	Α	96.0	106.0	129.0	151.0	173.0	187.0	226.0	259.0	284.0	304.0	341.0	379.0	421.0	454.0
	current	Max		Α	134	149	183	226	247	268	324	374	402	451	493	549	591	647
Power supply	Phase/Fre	quency/Vo	ltage	Hz/V							3~/5	0/400						

# Water cooled screw inverter chiller, premium efficiency, standard sound

- > Premium energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 75°C hot water production)
- Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- > Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- > High efficient flooded type heat exchanger allowing maximum unit performances
- > One or two truly independent refrigerant circuits for outstanding reliability



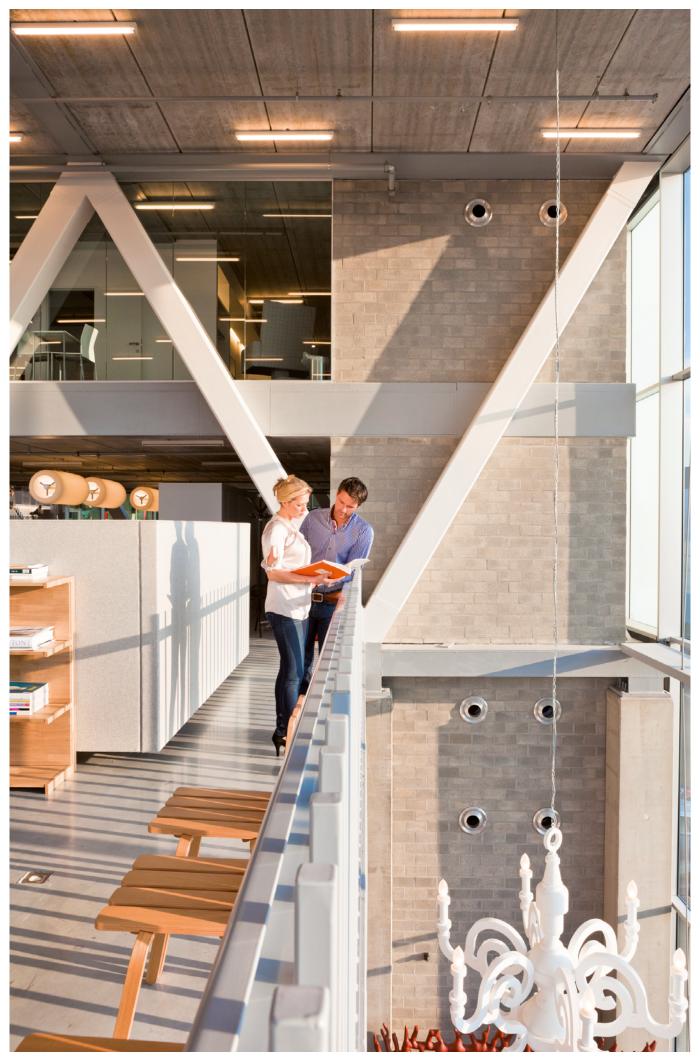
More details and final information can be found by scanning or clicking the QR codes.



EWWH-VZPS

Cooling only/Heat	ing only			WWH-VZPS	370	530	680	880	C12	C13
Space cooling	A Condition (35°C - 27/19)			kW	369.3	525.1	677.11	883.79	1,180.43	1,295.36
	ηs,c			%	316.8	352.8	363.6	334.4	352.4	348.8
SEER					8.12	9.02	9.29	8.56	9.01	8.92
Cooling capacity	Nom.			kW	369	525	677	884	1,180	1,295
Power input	Cooling	Nom.		kW	64.7	94.9	119	166	221	247
Capacity control	Method						Vari	able		
	Minimum	capacity		%		20			10	
EER					5.71	5.53	5.67	5.34	5.35	5.25
IPLV					9.13	9.68	9.96	9.37	9.56	9.61
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769
		Length		mm	3,750	3,	822	4,508	4,750	4,874
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250
	Operation	weight		kg	3,375	4,349	4,660	6,900	8,300	9,200
Water heat	Type						Flooded sh	ell and tube		
exchanger -	Water volu	me		1	96	168	199	320	380	480
evaporator	Water flow rate	Cooling	Nom.	l/s	17.7	25.1	32.3	42.2	56.4	61.9
	Water pressure drop	Cooling	Nom.	kPa	32	25	27	20	26	23
Water heat	Туре						Shell a	nd tube		
exchanger -	Water volu	me		ı	126	217	241	270	390	470
condenser	Water flow rate	Cooling	Nom.	l/s	21.1	30.1	38.9	50.9	68	74.9
	Water pressure drop	Cooling	Nom.	kPa		9	12	13	12	16
Compressor	Туре						Driven vapou	r compression		
	Quantity					1			2	
Sound power level	Cooling	Nom.		dBA	99	1	05	106	107	109
Sound pressure level	Cooling	Nom.		dBA	80		86	87	88	89
Refrigerant	Type/GWP						R-123	4(ze)/7		
	Charge			kg	120	190	185	305	288	350
	Circuits	Quantity				1			2	
Piping connections				mm	139.7		21	9.1		273
	Condense	water inl	et/outlet (OD)			219.1mm			219.1/219.1 mm	
Unit	Running	Cooling	Nom.	Α	104.0	150.0	185.0	257.0	338.0	378.0
	current	Max		А	149	226	268	374	493	549
Power supply	Phase/Fred	quency/Vo	oltage	Hz/V			3~/5	0/400		

performances according to CSS software 10.33





## Water to water screw inverter chiller, standard efficiency, standard sound

- > Optimized energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 60°C hot water production)
- > Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
- > Thanks to a large operating envelope, the unit is suitable for all possible process and comfort applications
- > High efficient flooded type heat exchanger allowing maximum unit performances
- > One or two truly independent refrigerant circuits for outstanding reliability



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Cooling only/Heat	ing only			EWWS-VZSS	600	700	740	880	C10	C12	C13	C14	C15	C17	C18	C20
Space cooling	A Condition (35°C - 27/19			kW	599.51	693.51	743.53	879.64	1,020.09	1,148.76	1,263.41	1,351.54	1,514.87	1,689.58	1,831.98	2,013.4
	ηs,c			%	316	314.4	313.2	320	313.2	321.2	314.8	312	297.6	313.6	304	318.4
SEER					8.1	8.06	8.03	8.2	8.03	8.23	8.07	8	7.64	8.04	7.8	8.16
Cooling capacity	Nom.			kW	600	694	744	880	1,020	1,149	1,263	1,352	1,515	1,690	1,832	2,013
Power input	Cooling	Nom.		kW	120.1	143.3	154.7	175.2	212.7	251.8	273.9	301	343	367.4	413.5	437.2
Capacity control	Method									Variable						
	Minimum capacity						20						10			
EER					4.99	4.84	4.81	5.02	4.8	4.56	4.61	4.49	4.42	4.6	4.43	4.61
IPLV					9.02	9.	15	8.84	8.88	9.06	9.31	9.23	8.9	9.18	8.88	9.05
Dimensions	Unit	Height		mm		2,123		2,292	2,487	2,296		296		2,350	2,338	2,498
		Width		mm	1,178	1,1	79	1,233	1,303	1,484	1,4	187	1,484	1,580	1,627	1,753
		Depth		mm	3,722	3,7	'50	3,690	3,822	4,792			4,508		4,750	
Weight	Unit			kg	2,892	2,928	2,941	3,451	4,237	5,570	5,790	5,820	6,220	6,890	7,260	8,260
	Operatio	n weight		kg	2,977	3,033	3,053	3,611	4,488	5,980	6,220	6,290	6,690	7,480	7,830	9,070
Water heat	Туре				Flooded shell and tube											
exchanger - evaporator	Water volume			I	88 96		134	156	230		2	270		320		
	Water flow rate	Cooling	Nom.	l/s	28.7	33.3	35.7	42.2	48.9	55	60.6	64.7	72.6	80.9	87.8	96.4
	Water pressure drop	Cooling	Nom.	kPa	80	108	89	100	103	69	85	70	89	79	92	81
Water heat	Туре				Flooded Shell & Tube											
exchanger -	Water volume			I	81	81 102		126	217	180 200			270	250	430	
condenser	Water flow rate	Cooling	Nom.	l/s	34.5	40.1	43.2	50.6	59.3	67.1	73.7	79.2	89	98.7	107	117
	Water pressure drop	Cooling	Nom.	kPa	31	29	32	29	33	43	38	44	64	41	53	36
Compressor	Туре	Type			Driven vapour compressor											
	Quantity			1					2							
Sound power level	Cooling Nom. dBA 101		101	01 105 107			107	106 107				108		110		
Sound pressure level	l Cooling Nom.		dBA	82 86			88		87 88		8	89		90		
Refrigerant	Type/GWP									R-513A/631						
-	Charge			kg	100	11	10	170	180	250	260	270	290	295	320	350
	Circuits	Quantity					1						2			
Piping connections mm				139.7 168.3					219.1							
mm					168.3			21	9.1		16		219.1			

performances according to CSS software 10.33



## Water to water screw inverter chiller, high efficiency, standard sound

- > High energy efficiency both at full and part load conditions
- > Compact footprint through stacked heat exchanger lay-out
- > Heat pump version with reversibility on water side (up to 62°C hot water production)
- > Multiple options available: sound proof cabinet, rapid restart, removable electrical panel, etc. to adapt the unit to your specific application and need
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- > One or two truly independent refrigerant circuits for outstanding reliability



More details and final information can be found by scanning or clicking the QR codes.



Cooling only/Heat	ing only			EWWS-VZXS	450	490	600	700	780	890	C10	C12	C13	C14	C16	C17	C19	C20
Space cooling	A Condition (35°C - 27/19)			kW	441.23	493.3	605.32	704.66	783.15	888.89	1,038.67	1,178.53	1,287.26	1,390.42	1,570.18	1,725.3	1,876.17	2,045.66
	ηs,c			%	306.4	313.6	328.4	329.2	328	328.4	328.8	331.2	326.4	329.2	331.2	326.4	323.2	326.8
SEER					7.86	8.04	8.41	8.43	8.4	8.41	8.42	8.48	8.36	8.43	8.48	8.36	8.28	8.37
Cooling capacity	Nom.			kW	441	493	605	705	783	889	1,039	1,179	1,287	1,390	1,570	1,725	1,876	2,046
Power input	Cooling	Nom.		kW	87.8	96.8	116.8	138.6	157.7	171.3	207.8	239.2	263.6	282.6	319.6	354.3	396.6	425.5
Capacity control	Method										Vari	able						
	Minimum	capacity		%				20							10			
EER					5.02	5.1	5.18	5.09	4.97	5.19	5	4.93	4.88	4.92	4.91	4.87	4.73	4.81
IPLV					8.87	9.01	9.29	9.43	9.39	8.96	9.27	9.24	9.48	9.43	9.39	9.29	9	.15
Dimensions	Unit	Height		mm	2,	135	2,123	2,2	235	2,4	187	2,2	296	2,301	2,350	2,500	2,469	2,493
		Width		mm	1,1	78	1,179	1,1	89	1,3	803	1,484	1,639	1,579	1,580	1,610	1,704	1,769
		Depth		mm	3,7	722	3,750	3,6	90	3,8	322	4,7	792	4,5	08	4,750	4,8	374
Weight	Unit	·		kg	2,968	2,911	3,102	3,470	3,451	4,257	4,552	5,860	6,240	6,520	6,920	7,530	7,790	8,670
	Operation	n weight		kg	3,098	3,006	3,274	3,648	3,611	4,518	4,860	6,370	6,760	7,130	7,530	8,300	8,560	9,630
Water heat exchanger - evaporator	Туре			Flooded shell and tube														
	Water volume			1	70 88 136		136	13	134 168 199		270		320		380	380 480		
	Water flow rate	Cooling	Nom.	l/s	21.2	23.6	29	33.7	37.5	42.6	49.7	56.4	61.6	66.5	75.2	82.6	89.7	97.9
	Water pressure drop	Cooling	Nom.	kPa	91	64	61	65	57	69	60	53	64	53	68	59	50	60
Water heat	Туре				Flooded Shell & Tube													
exchanger -	Water volume			I	81	92	126	145	126	217	241	240	250	29	90	390	290	480
condenser	Water flow rate	Cooling	Nom.	l/s	25.8	28.7	34.5	40.4	45.1	50.8	59.8	68	74.4	80.2	90.7	99.8	108	118
	Water pressure drop	Cooling	Nom.	kPa	31	27	22	20	24	2	25	2	28	21	32	27	36	27
Compressor	Type	Туре				Driven vapour compressor												
	Quantity				1									2				
Sound power level	Cooling	Nom.	dBA 97 99 101 105 10		107	10	06	10	)7	108	109	110						
Sound pressure level	vel Cooling Nom.		dBA	78	80	82	86			88 87		88		89		90		
Refrigerant	Type/GWP					R-513A/631												
	Charge			kg	g	95	130	110	170	210	185	250	260	29	90	32	20	350
	Circuits	Quantity						1							2			
Piping connections				mm		139.7		168.3				219.1 273					73	
				mm	16	8.3			219.1			168.3/219.1			21	9.1		



## Water to water screw inverter chiller, premium efficiency, standard sound

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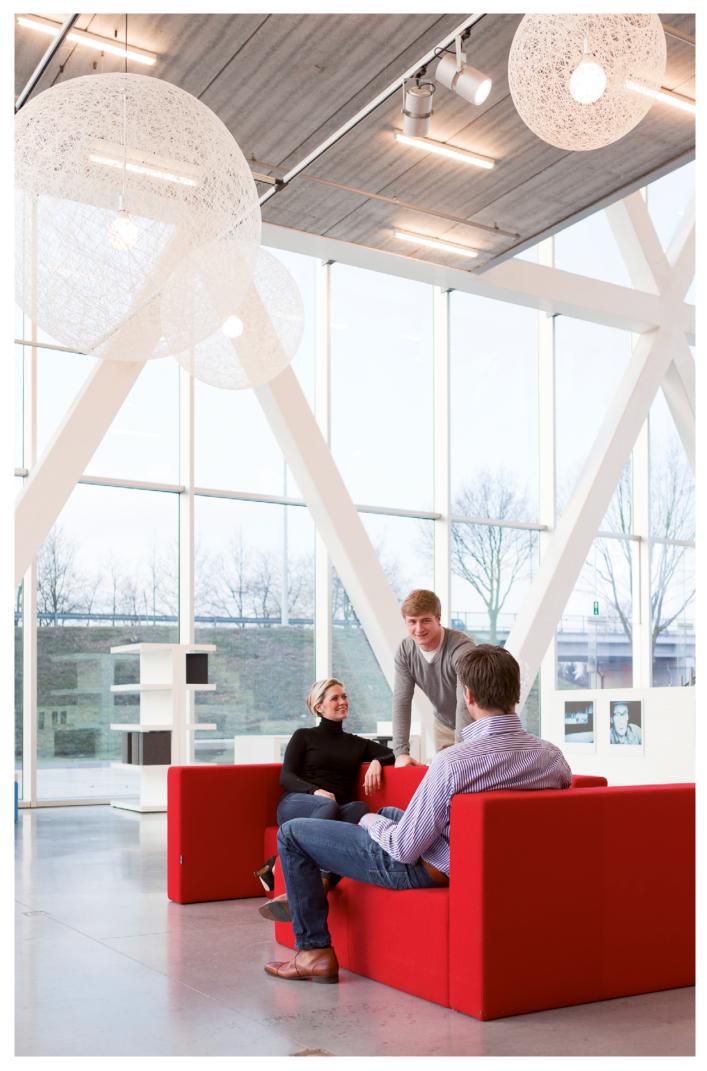


More details and final information can be found by scanning or clicking the QR codes.



EWWS-VZPS

Cooling only/Heat	ting only			EWWS-VZPS	500	710	900	C12	C16	C17			
Space cooling	A Condition Pdc (35°C - 27/19)			kW	500.08	710.08	898.24	1,187.65 1,585.78		1,735.47			
	ηs,c			%	321.6	334	335.2	336.4		330			
SEER					8.24	8.55	8.58	8.61		8.45			
Cooling capacity	Nom.			kW	500	710	898	1,188	1,586	1,735			
Power input	Cooling	Nom.		kW	91.3	133.8	165.1	235.4	313.7	350.7			
Capacity control	Method						Var	iable					
	Minimum	capacity		%		20			10				
EER					5.48	5.31	5.44	5	.05	4.95			
PLV					9.13	9.48	9.17	9.36	9.48	9.4			
Dimensions	Unit	Height		mm	2,108	2,430	2,487	2,302	2,500	2,493			
		Width		mm	1,179	1,287	1,303	1,579	1,610	1,769			
		Depth		mm	3,750	3,	822	4,508	4,750	4,874			
Weight	Unit			kg	3,247	4,082	4,346	6,310	7,530	8,250			
	Operation	n weight		kg	3,375	4,349	4,660	6,900	8,300	9,200			
Water heat	Type						Flooded sh	ell and tube					
exchanger - evaporator	Water vol	ume		1	96	168	199	320	380	480			
	Water flow rate	Cooling	Nom.	I/s	23.9	34	43	56.8	75.8	83			
	Water pressure drop	Cooling	Nom.	kPa	57	44	46	39	50	42			
Water heat	Туре				Flooded Shell & Tube								
exchanger -	Water vol	ume		1	126	217	241	270	390	470			
condenser	Water flow rate	Cooling	Nom.	l/s	28.9	40.6	51.1	68.3	91.1	100			
	Water pressure drop	Cooling	Nom.	kPa	16	17	19		21	27			
Compressor	Type						ır compressor						
	Quantity					1			2				
Sound power level	Cooling	Nom.		dBA	99	1	05	106	107	109			
Sound pressure level	Cooling	Nom.		dBA	80	8	36	87	88	89			
Refrigerant	Type/GW	Р					R-513	3A/631					
	Charge			kg	130	1:	80	190	320	350			
	Circuits	Quantity				1			2				
Piping connections				mm	139.7 219.1 273								
				mm			2	19.1					





# Water cooled scroll heat pump

- > One of the most compact units on the market: 600mm x 600mm x 600mm
- > Low energy consumption
- > Low operating sound level
- > Easy installation and maintenance
- > Stainless steel plate heat exchanger
- > Low refrigerant volume
- > Standard integrated: pressure ports, flow switch, filter, shut-off valves and air purge
- $\,>\,$  Advanced  $\mu C^2SE$  controller for direct connection to a Modbus based BMS or to a remote user interface



More details and final information can be found by scanning or clicking the QR codes.



EWLQ-KC

Cooling Only				EWLQ-KC	014	025	033	049	064
Cooling capacity	Nom.			kW	12.09	19.87	28.90	39.35	57.84
Power input	Cooling	Nom.		kW	3.74	6.11	8.43	12.03	16.41
Capacity control	Method						Fixed		
	Minimum	capacity		%		100		5	0
EER					3.237	3.254	3.429	3.27	3.524
Dimensions	Unit	Height		mm			600		
		Width		mm			600		
		Depth		mm		600		1,2	00
Weight	Unit			kg	62	124	130	238	249
	Operation	weight		kg	70	129	135	247	258
Water heat	Type						Brazed plate		
exchanger -	Water volu	ıme		I	1.47	1.96	2.74	4.47	5.88
evaporator	Water flow rate	Cooling	Nom.	l/s	0.576	0.947	1.378	1.876	2.757
	Water pressure drop	Cooling	Nom.	kPa	9.71	16.4	21.6	20.5	34.8
Compressor	Type						Scroll compressor		
	Quantity					1		2	2
Sound power level	Cooling	Nom.		dBA	6	9.0	76.0	72.0	79.0
Sound pressure level	Cooling	Nom.		dBA	5.	5.2	62.1	57.6	64.6
Operation range	Evaporator	Cooling	Min.~Max.	°CDB			-10 ~20		
	Condenser	Heating	Min.~Max.	°CDB			20 ~55		
Refrigerant	Type/GWP						R-410A/2,088.0		
	Charge			kg			0.0		
	Circuits	Quantity				1		2	2
Piping connections	<b>Evaporato</b>	r water in	let/outlet (OD)			G1"		G1"	1/2
Unit	Starting current	Max		Α	57.4	109.3	124.3	124.8	143.6
	Running	Cooling	Nom.	Α	6.57	10.5	14.1	20.9	28.1
	current	Max		Α	9.16	15.5	19.3	31.0	38.7
Power supply	Phase/Free	quency/V	oltage	Hz/V			3N~/50 /400		

- Single refrigerant circuit (2 scroll compressors) with single evaporator
- > For chilled water production, to be combined with a remote condensing unit
- > Compact design to allow easy indoor installation or retrofit operations
- > Conceived for stacked installation of two single circuit units to reduce the footprint
- > High efficiency and reliable scroll compressor
- > Stainless steel plate heat exchanger



More details and final information can be found by scanning or clicking the QR codes.



EWLQ-G-SS

Cooling only			EWL	Q-G-SS	090	100	120	130	150	170	190	210	240	300	360
Cooling capacity	Nom.			kW	86.5	98.4	110	125	139	160	181	206	231	290	346
Power input	Cooling	Nom.		kW	22.4	25.8	29.2	33.0	36.8	42.0	47.0	54.2	59.9	75.6	91.8
Capacity control	Method									Step					
	Minimum capaci	ty		%	50.0	43.0	50.0	44.0	50.0	45.0	50.0	43.0	50.0	40.0	50.0
EER					3.86	3.81	3.78	3.	79	3.80	3.86	3.80	3.85	3.84	3.77
Dimensions	Unit	Height		mm					1,066					1,1	86
		Width		mm						928					
		Length		mm						2,743					
Weight	Unit			kg	494	578	686	714	742	773	807	838	852	967	1,046
	Operation weigh	nt		kg	525	615	729	760	791	826	863	901	916	1,044	1,134
Water heat	Туре								Plate	heat exch	anger				
exchanger -	Water volume			- 1	6		8	10	12	13	15	1	17	27	34
evaporator	Water flow rate	Nom.		l/s	4.2	4.7	5.3	6.0	6.7	7.7	8.7	9.8	11.1	13.9	16.6
	Water pressure drop	Cooling	Nom.	kPa	4	14	35	2	29	31	33	30	38	4	<b>1</b> 1
Compressor	Type								Scro	oll compre	essor				
	Quantity									2					
Sound power level	Cooling	Nom.		dBA	80.0	83.0	85.0	87.0		88.0		90.0	92.0	93	3.0
Sound pressure level	Cooling	Nom.		dBA	64.0	67.0	69.0	70.0		72.0		74.0	76	5.0	77.0
Operation range	Evaporator	Cooling	Min.~Max.	°CDB						-10~15					
	Condenser	Cooling	Min.~Max.	°CDB						30~60					
Refrigerant	Type / GWP								R-4	410A / 2,08	37.5				
	Circuits	Quantity								1					
Piping connections	Evaporator wate	r inlet/out	let (OD)		1"	1/2				2" 1/2				3	3"
Unit	Starting current	Max		Α	204	255	261	308	316	354	368	466	481.0	640	677
	Running current	Cooling	Nom.	Α	39	42	45	51	57	64	70	81	88	111	135
		Max		Α	59	66	72	80	88	102	116	131	145	183	221
Power supply	Phase/Frequency	y/Voltage		Hz/V						3~/50/400	)				

- > Dual refrigerant circuit (4 scroll compressors) with single evaporator
- > For chilled water production, to be combined with a remote condensing unit
- > Compact design to allow easy indoor installation or retrofit operations
- > High efficiency and reliable scroll compressor
- > Stainless steel plate heat exchanger



More details and final information can be found by scanning or clicking the QR codes.



EWLQ-L-SS

Cooling only			EWL	Q-L-SS	180	205	230	260	290	330	380	430	480	540	600	660	720
Cooling capacity	Nom.			kW	173	197	224	249	279	317	361	409	459	511	571	624	676
Power input	Cooling	Nom.		kW	44.3	51.1	57.9	65.6	73.2	83.8	93.5	108	119	135	152	168	184
Capacity control	Method										Step						
	Minimum capaci	ty		%	25.0	21.0	25.0	22.0	25.0	23.0	25.0	21.0	25.0	22.0	20.0	18.0	25.0
EER					3.91	3.86	3.87	3.79	3.81	3.78	3.86	3.79	3.84	3.78	3.76	3.71	3.67
Dimensions	Unit	Height		mm					1,970					2,090		2,210	
		Width		mm							928						
		Length		mm							2,801						
Weight	Unit			kg	832	1,007	1,202	1,252	1,333	1,380	1,432	1,511	1,560	1,609	1,694	1,833	1,957
	Operation weigh	ıt		kg	894	1,081	1,292	1,345	1,436	1,486	1,547	1,638	1,690	1,741	1,844	1,990	2,120
Water heat	Туре									Plate h	eat excl	hanger					
exchanger -	Water volume			- 1	19	22	2	19	3	5	41		49			62	
evaporator	Water flow rate	Nom.		I/s	8.3	9.5	10.7	11.9	13.4	15.2	17.3	19.6	21.9	24.5	27.3	29.9	32.4
	Water pressure drop	Cooling	Nom.	kPa	2	25	20	25	22		29		36	45	44	52	62
Compressor	Type									Scrol	l compr	essor					
	Quantity										4						
Sound power level	Cooling	Nom.		dBA	83.0	86.0	88.0	90.0		91.0		93.0		95.0		96	5.0
Sound pressure level	Cooling	Nom.		dBA	65.0	68.0	70.0	72.0	74	1.0	73.0	76.0	77	7.0		78.0	
Operation range	Evaporator	Cooling	Min.~Max.	°CDB							-10~15						
	Condenser	Cooling	Min.~Max.	°CDB							30~60						
Refrigerant	Type / GWP									R-4	10A / 2,0	87.5					
	Circuits	Quantity								2							
Piping connections	Evaporator wate	r inlet/outl	et (OD)								3"						
Unit	Starting current	Max		Α	263	320	333	388	403	456	484	597	626	785	822	860	898
	Running current	Cooling	Nom.	Α	78	84	90	102	114	128	141	161	176	199	223	246	269
		Max		Α	118	131	144	160	175	205	232	262	290	328	366	403	441
Power supply	Phase/Frequency	y/Voltage		Hz/V						3	~/50/40	0					

- Compact design to allow easy indoor installation or retrofit operations
- > Daikin semi-hermetic single screw stepless compressor
- > High energy efficiency both at full and part load conditions
- > Chilled water temperatures down to -10°C on standard unit
- > Optimised for use with R-134a
- > MicroTech 4 controller with superior control logic and easy interface



More details and final information can be found by scanning or clicking the QR codes.



EWLD-J-SS

Cooling only			EWL	.D-J-SS	110	130	145	165	195	235	265
Cooling capacity	Nom.			kW	110	128	142	163	191	236	264
Power input	Cooling	Nom.		kW	31.2	38.4	43.8	50.4	56.0	66.0	75.3
Capacity control	Method							Stepless			
	Minimum capaci	ty		%				25.0			
EER					3.51	3.33	3.25	3.24	3.42	3.58	3.51
Dimensions	Unit	Height		mm				1,020			
		Width		mm				913			
		Length		mm				2,684			
Weight	Unit			kg	1,124	1,141	1,237	1,263	1,305	1,489	1,489
	Operation weigh	t		kg	1,138	1,159	1,253	1,281	1,327	1,518	1,518
Water heat	Туре						Pla	ite heat exchan	ger		
exchanger -	Water volume			- 1	14	18	14	17	20	26	26
evaporator	Water flow rate	Nom.		l/s	5.2	6.1	6.8	7.8	9.2	11.3	12.6
	Water pressure drop	Cooling	Nom.	kPa	14	13	39	37	33	26	32
Compressor	Туре						Sing	le screw compr	essor		
	Quantity							1			
Sound power level	Cooling	Nom.		dBA				89.0			
Sound pressure level	Cooling	Nom.		dBA				79.0			
Operation range	Evaporator	Cooling	Min.~Max.	°CDB				-10~15			
	Condenser	Cooling	Min.~Max.	°CDB				25~60			
Refrigerant	Type / GWP							R-134a / 1,430			
	Circuits	Quantity						1			
Piping connections	Evaporator wate	r inlet/outl	et (OD)					76.2 mm			
Unit	Maximum startin	g current		Α	1	53	1	97	197	290	290
	Nominal running o	urrent (RLA	) Cooling	Α	52	62	72	81	91	107	120
	Maximum runnir	ng current		Α	85	103	114	130	154	168	201
Power supply	Phase/Frequency	y/Voltage		Hz/V				3~/50/400			

performances according to CSS software 10.34

- > HFO R-1234ze(E) Refrigerant with Ozone Depletion Potential equal to zero and extremely low Global Warming Potential
- > Daikin semi-hermetic single screw compressor
- > Direct expansion plate to plate evaporator
- > Shell and tube condenser
- > Silver efficiency and standard sound
- > Upgrade to new MicroTech 4 controller



More details and final information can be found by scanning or clicking the QR codes.



				EWLH-J-SS	080	100	110	130	140	170	190
Cooling capacity	Nom.			kW	84	102	109	127	143	174	193
Power input	Cooling	Nom.		kW	23.3	28.1	31.8	37	41.5	49.6	56.3
Capacity control	Method							Stepless			
	Minimum	capacity		%				25			
EER					3	.62	3.43	3.42	3.43	3.51	3.43
Dimensions	Unit	Height		mm				1,020			
		Width		mm				913			
		Length		mm				2,684			
Weight	Unit			kg	1,124	1,141	1,237	1,263	1,305	1,4	89
	Operation	n weight		kg	1,138	1,159	1,253	1,281	1,327	1,5	18
Water heat	Туре						Pla	te heat exchan	ger		
exchanger -	Water vol	ume		1	14	18	14	17	20	2	6
evaporator	Water flow rate	Cooling	Nom.	l/s	4	4.9	5.2	6	6.8	8.3	9.2
	Water pressure drop	Cooling	Nom.	kPa	9.7	9.9	17.5	17.6	16.2	15.5	18.7
Compressor	Туре						Sing	le screw compr	essor		
	Quantity							1			
Sound power level	Cooling	Nom.		dBA				88.9			
Sound pressure level	Cooling	Nom.		dBA				79			
Refrigerant	Туре							R-1234(ze)			
	Circuits	Quantity						1			
Piping connections				mm				76.2			
Unit	Starting current	Max		А	1	53		197		29	90
	Running	Cooling	Nom.	Α	42	48	59	65	72	84	92
	current	Max		Α	75	90	100	114	143	158	178
Power supply	Phase/Fre	quency/Vo	oltage	Hz/V				3~/50 /400			

performances according to CSS software 10.34

- > Refrigerant R-513A
- > Daikin semi-hermetic single screw compressor
- > Direct expansion plate to plate evaporator
- > Shell and tube condenser
- > Silver efficiency and standard sound
- > Upgrade to new MicroTech 4 controller



More details and final information can be found by scanning or clicking the QR codes.



				EWLS-J-SS	110	130	150	170	200	240	270
Cooling capacity	Nom.			kW	111	132	150	175	200	236	268
Power input	Cooling	Nom.		kW	32.2	38.7	44.8	51.2	58.2	69.4	78.8
Capacity control	Method							Stepless			
	Minimum	capacity		%				25			
EER					3.44	3.4	3.35	3.41	3.44	3.41	3.4
Dimensions	Unit	Height		mm				1,020			
		Width		mm				913			
		Length		mm				2,684			
Weight	Unit			kg	1,124	1,141	1,237	1,263	1,305	1,4	189
	Operation	weight		kg	1,138	1,159	1,253	1,281	1,327	1,5	518
Water heat	Туре						Pla	te heat exchan	ger		
exchanger -	Water vol	ume		I	14	18	14	17	20	2	26
evaporator	Water flow rate	Cooling	Nom.	l/s	5.3	6.3	7.2	8.4	9.6	11.3	12.8
	Water pressure drop	Cooling	Nom.	kPa	16	15.8	31.1	31.5	30	27	33.8
Compressor	Туре						Sing	e screw compr	essor		
	Quantity							1			
Sound power level	Cooling	Nom.		dBA				88.9			
Sound pressure level	Cooling	Nom.		dBA				79			
Refrigerant	Туре							R-513A			
	Circuits	Quantity						1			
Piping connections				mm				76.2			
Unit	Starting current	Max		А	1	54		198		2	91
	Running	Cooling	Nom.	Α	54	65	75	84	94	111	125
	current	Max		Α	81	96	108	122	141	164	185
Power supply	Phase/Fre	quency/Vo	oltage	Hz/V				3~/50 /400			

Power supply Phase/Frequency/performances according to CSS software 10.34

- > DX shell and tube evaporator one pass refrigerant side for easy oil circulation and return
- > Stepless single-screw compressor
- > Standard electronic expansion valve
- > Optimised for use with R-134a



More details and final information can be found by scanning or clicking the QR codes.



Cooling only			EWLD	)-I-SS	320	400	420	500	600	650	750	800	850	900	950	C10	C11	C12	C13	C14	C15	C16	C17
Cooling capacity	Nom.			kW	315	374	437	509	607	670	740	802	865	935	975	1,029	1,097	1,144	1,210	1,278	1,330	1,381	1,433
Power input	Cooling	Nom.		kW	80.3	96.0	113	134	160	175	192	208	224	246	264	283	286	302	318	336	356	375	395
Capacity control	Method												S	teple	SS								
	Minimum capaci	ty		%		25	5.0					12.5							8	.3			
EER					3.93	3.89	3.88	3.79	3.80	3.82		3.86		3.81	3.69	3.64	3.83	3.79	3.	80	3.74	3.68	3.63
Dimensions	Unit	Height		mm		1,8	99					2,325							2,4	115			
		Width		mm						1,464									2,1	35			
		Length		mm		3,1	114					4,391							4,4	126			
Weight	Unit			kg	1,8	361	1,869	1,884	3,331	3,339	3,347	3,356	3,364	3,4	112	5,146	5,1	167	5,188		5,2	.08	
	Operation weigh	ıt		kg	2,0	)54	2,052	2,056	3,6	502	3,603	3,604	3,605	3,6	545	5,667	5,6	571	5,677		5,6	80	
Water heat	Type											Sing	le pas	s shel	l and	tube							
exchanger -	Water volume			- 1	19	93	183	172	271	263	256	248	241	23	33	50	)4	489	472	50	)4	489	472
evaporator	Water flow rate	Nom.		l/s	15.1	17.9	20.9	24.4	29.1	32.1	35.4	38.4	41.4	44.8	46.7	49.3	52.5	54.8	57.9	61.2	63.7	66.1	68.6
	Water pressure drop	Cooling	Total	kPa	34	46	49	56	50	40	52	49	40	49	36	54	47	51	43	53	57	61	65
Compressor	Type											Sing	le scr	ew co	mpre	ssor							
	Quantity						1					2							:	3			
Sound power level	Cooling	Nom.		dBA	94.0			97.0			98.0	99.0			100.0			10	1.0		10:	3.0	
Sound pressure level	Cooling	Nom.		dBA	75.0	76.0		78	3.0		79.0	80.0		81.0		80	0.0	81	1.0		83	3.0	
Operation range	Evaporator	Cooling	Min.~Max.	°CDB										-8~15									
	Condenser	Cooling	Min.~Max.	°CDB										25~60	)								
Refrigerant	Type / GWP												R-13	4a / 1	,430								
	Circuits	Quantity					1					2							:	3			
Piping connections	Evaporator wate	r inlet/outl	et (OD)											42mm	1								
Unit	Maximum startin	ng current		Α	330		464		493	627	650	6	81	70	03	83	36	867	89	98	920	94	12
	Nominal running o	urrent (RLA)	Cooling	Α	131	157	181	214	260	287	313	338	361	391	420	448	470	493	517	542	571		631
	Maximum runnir	ng current		Α	204	233	271	299	407	436	465	504	542	570	597	670	698	737	775	814	841	868	896
Power supply	Phase/Frequency	y/Voltage		Hz/V									3~	/50/4	00								





- No friction loss, no oil contamination, no additional oil management systems and an increased equipment life thanks to the magnetic bearing technology
- > Excellent part load efficiency
- Totally oil-free operation resulting in reduced maintenance costs and increased reliability
- > Compact footprint through stacked heat exchanger lay-out
- > Increased installation flexibility thanks to limited dimensions
- > Easy handling: thanks to its compact size, it can easily pass through the doorway
- > MicroTech 4 controller with superior control logic and easy interface
- > A wide portfolio of options is available to meet different requirements.
- > The compressor vibration levels are extremely low as a result of the high-speed design
- Optimized for highly efficient R134a refrigerant and compatible with next generation refrigerants







More details and final information can be found by scanning or clicking the QR codes.



EWWD-DZXS

Cooling Only			E	WWD-DZXS	320	440	530	610	640	700	880	C10	C13	C14	C15	C21
Space cooling	A Condition (35°C - 27/19			kW	320.01	443.01	528	610.02	638.01	699.97	883.01	1,056	1,325.26	1,402	1,564.57	2,070.4
	ηs,c			%	334	314	324	344	349	342	350	363	349.8	362	360.6	365.4
SEER					8.72	8.65	9.08	8.91	8.95	8.79	8.99	9.31	8.86	9.32	9.13	9.28
Cooling capacity	Nom.			kW	320	443	528	610	638	700	883	1,056	1,325	1,402	1,565	2,070
Power input	Cooling	Nom.		kW	66.5	88.5	102	124.7	131	126	176	205	272	256	310	391
Capacity control	Method									Vari	able					
	Minimum	capacity		%	30	2	21	16	15	18	1	11	7	9	8	6
EER					4.81	5	5.14	4.89	4.85	5.53	5.01	5.15	4.88	5.46	5.04	5.3
ESEER					7.94	7.92	8.2	7.78	8.16	8.08	8.09	8.39	-	8.29		-
IPLV					9.38	9.33	9.7	9.41	9.5	9.86	9.52	9.91	9.18	10.1	9.5	9.42
Dimensions	Unit	Height		mm		1,865			1,9	85		2,200	2,083	2,200	2,225	2,290
		Width		mm		1,055			1,1	60		1,270	1,510	1,270	1,5	510
		Length		mm		3,6	525			3,585		3,580	4,793	3,580	4,768	4,812
Weight	Unit			kg	1,700	1,900	2,000	2,8	350	2,600	2,900	3,600	4,350	3,800	4,750	5,500
_	Operation	weight		kg	1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	5,020	4,579	5,540	6,570
Water heat	Туре								Flo	oded sh	ell and tu	ıbe				
exchanger -	Water volu	ıme		I	70	96	10	07	13	34	156	199	271.8	229	317.4	444.3
evaporator	Water	Nom.		I/s	15.3	21.2	25.3	29.1	30.5	33.5	42.3	50.6	-	67.2		-
	flow rate	Cooling	Nom.	l/s					-				63.4	-	74.9	99.1
	Water pressure drop	Cooling	Nom.	kPa	47.4	40.6	45	59.1	51	61.3	64	60.4	60.1	74	61.1	71.9
Water heat exchanger -	Туре							Shell a	nd tube				Flooded Shell & Tube	Shell and tube		oded & Tube
condenser	Water volu	ıme		I	83	100	12	20	170	188	211	263	359.9	320	442.6	603.6
	Water	Nom.		l/s	18.3	25.3	30.1	35.1	36.7	39.4	50.5	60.1	-	79.1		-
	flow rate	Cooling	Nom.	l/s					-				76.1	-	89.5	117
	Water pressure drop	Cooling	Nom.	kPa	49.2	59.5	54.5	74	46.2	41.6	50.9	50.3	56	52.9	43	57
Compressor	Туре								Drive	en vapou	ır compr	essor				
·	Quantity					1			2	1		2	3	2		3
Sound power leve	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91	91.1	92	93.3	99	94.3	100	101
Sound pressure leve	el Cooling	Nom.		dBA	69.6	70.6	71.6		72.6		73.6	74.6	80	75.6	81	82
Operation range	Evaporato	Cooling	Min.~Max.	°CDB						4~	·20					
	Condense	Cooling	Min.~Max.	°CDB	20 <sup>,</sup>	~55	20~42	20-	~55	20~42	20~55	20~42	20~55		20~42	
Refrigerant	Type/GWF										1,430				-	
J	Charge			kg		12	20			180	. ,	230	320	230	340	390
	Circuits	Quantity									1					
Refrigerant charge				TCO2Eq		17	72			257		329	_	329		-
Piping connection				mm		13	9.7			168.3				219.1		
Piping connection				mm			9.7				168.3				219.1	
Unit	Runnina	Cooling	Nom.	Α	100.55	138.22	155.23	203.41	200.56	190.23	274.86	309.17	445	383.87	471.7	588
Offic	current	Max	140111.	A	134	208	166		57	196.23	417	331	631	392	511	589
Power supply			ultage		1,54	200	100		<i>.</i> ,			331	031	J92	- 511	509
Power supply		quency/Vo	oltage	Hz/V	134	200	100		<i>J</i> ,		0/400	ادد	031	L		392   311

performances according to CSS software 10.27



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- Optimized for highly efficient R134a refrigerant and compatible with next generation refrigerants







More details and final information can be found by scanning or clicking the QR codes.



**Cooling Only EWWD-DZXE** 340 470 570 670 680 740 950 C10 C11 C14 C15 C17 C22 A Condition Pdc Space cooling 341.01 474.02 741.96 1,038.18 1,436.52 1,477.93 1,684.76 2,172.91 (35°C - 27/19) 326 345 349 346 352 339.8 350.6 366 370.2 335 316 365 359 ηs,c SEER 8.91 9.14 9.41 8.67 8.7 9.14 8.89 8.99 8.9 9.06 8.83 9.39 9.43 Cooling capacity Nom. kW 341 474 566 670 682 742 946 1,038 1,130 1,437 1,478 1,685 2.173 Power input Cooling kW 69.9 93.5 108 138.4 138 131 186 210 216 288 263 329 393 Method Capacity control Variable Minimum capacity % 29 20 17 10 6 FFR 4 88 5.07 5.22 4 84 4.91 5.65 5.08 4.94 5.23 4.98 5.6 5.12 5.53 ESEER 7.81 7.83 8.11 7.52 8.09 7.96 8.26 8.22 IPLV 9.3 9.22 9.37 9.33 9.86 9.2 10.1 9.49 9.52 9.29 9.71 9.9 9.46 Dimensions Unit Heiaht mm 1.865 1.985 2.082 2,200 2.083 2,200 2,225 2,290 Width 1,055 1,160 1,510 1,270 1,510 1,270 4,812 3.585 4.688 3.580 4.793 3.580 4.768 Lenath 3.625 mm Weight Unit ka 1.750 1.950 2.050 2.850 2.650 3.000 4.400 3.700 4.700 3.900 5.100 5.900 Operation weight 2,033 2,407 3,197 3,568 4,970 5,370 4,699 5,890 6,920 kg 2,276 3,162 4,412 Water heat Flooded shell and tube Type exchanger 107 Water volume 207.3 199 317.4 229 317.4 444.3 70 96 134 156 evaporator Water I/s 16.4 22.7 27.1 32 32.7 35.6 45.3 54.1 70.9 flow rate Cooling I/s 49.1 103 Water 58.3 68.7 82 Coolina Nom. kPa 54.2 46.5 51.5 71.4 73.2 68.9 70.7 70.7 78.9 61.4 pressure drop Water heat Shell and tube Flooded Shell Shell and Flooded Shell Shell and Flooded Type exchanger tube Shell & Tube condenser 188 Water volume 83 100 120 170 211 359.9 320 442.6 603.6 326.4 263 Water Nom 1/s 19.6 27 32.1 38.6 39.1 41.6 53.9 64.1 83 flow rate Cooling Nom 58.9 81.4 95.8 121 I/s Water Cooling Nom. kPa 56.4 68.4 62.4 90 52.9 46.7 58.3 57.6 66 58.5 62 pressure drop Compressor Type Driven vapour compressor 3 Quantity 2 Sound power level Cooling dRA 87.9 88.9 899 91.1 91 91.1 92 98 93.3 99 943 100 101 Sound pressure level Cooling dBA 70.6 71.6 72.6 73.6 82 °CDB **Evaporator Cooling** Min.~Max. Operation range 4~20 Condenser Cooling Min.~Max. °CDB 20~55 20~42 20~55 20~42 20~55 20~42 20~55 20~42 Refrigerant Type/GWF R-134a/1,430 130 120 200 190 200 350 250 400 250 420 470 Charge kg Circuits Ouantity Refrigerant charge TCO2Eq 186 172 286 272 286 358 358 Piping connections 168.3 219.1 mm Piping connections 139.7 168.3 219.1 mm Running Unit Cooling Α 105.42 144.7 162.48 212.9 210.15 196 287.44 318.3 323.53 425.9 392 496 588 current 208 267 417 406 331 511 589 166 Phase/Frequency/Voltage Hz/V 3~/50/400 Power supply



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EWWH-DZXS

Cooling Only			EWV	VH-DZXS	230	320	380	430	455	460	640	755	920	945	C11	C13
Space cooling	A Condition (35°C - 27/19			kW	227.08	318.33	376.33	455.13	454.66	474.48	637.15	752.27	917.79	945.8	1,126	1,352
	ηs,c			%	330	34	46	3	42	339	352	354	353	360.2	359.4	364.2
SEER					8.78	8.66	8.67	8.8	8.78	8.32	9.04	9.07	9.06	9.02	9.04	9.13
Cooling capacity	Nom.			kW	227	318	376	4	55	461	637	752	918	945.8	1,126	1,352
Power input	Cooling	Nom.		kW	45.6	60.5	71.4	93.3	90.6	79.3	120.5	142.1	158.8	181	216.5	237.7
Capacity control	Method								Variable	!					Stepless	5
	Minimum	capacity		%	24	21	20	13	12	20	11	1	0	1	1	16
EER					4.98	5.	27	4.88	5.02	5.81	5.	.29	5.78	5.22	5.2	5.69
ESEER					7.78	7.97	7.98	7.89	8.06	7.76	8.26	8.3	8.16		-	
IPLV					9.37	9.52	9.56	9.44	9	.5	9.74	9.78	9.74	9.54	9.57	9.71
Dimensions	Unit	Height		mm		1,865			1,9	985		2,2	200	2,083	2,225	2,290
		Width		mm		1,055			1,1	60		1,2	270		1,510	
		Length		mm		3,6	525			3,585		3,5	80	4,793	4,768	4,812
Weight	Unit			kg	1,700	1,900	2,000	2,8	350	2,600	2,900	3,600	3,800	4,350	4,750	5,500
	Operation	weight		kg	1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	4,579	5,020	5,540	6,570
Water heat	Type								Flo	oded sh	ell and to	ube				
exchanger -	Water volu	ıme		I	70	96	10	)7	13	34	156	199	229	271.8	317.4	444.3
evaporator	Water flow rate	Cooling	Nom.	l/s	10.8	15.2	18	20.5	21.7	22	30.4	35.9	43.9	45.2	53.8	64.6
	Water pressure drop	Cooling	Nom.	kPa	28.2	24.6	26.8	31.7	27.8	28.6	35.9	33	34.3	30	3	31
Water heat	Type							Sh	ell and tu	ıbe				Flood	ed Shell	& Tube
exchanger -	Water volu	ıme		- 1	83	100	12	20	170	188	211	263	320	359.9	442.6	603.6
condenser	Water flow rate	Cooling	Nom.	I/s	13	18.1	21.4	24.5	26.1	25.8	36.2	42.7	51.4	53.8	64.2	76
	Water pressure drop	Cooling	Nom.	kPa	24	30	27	35	23	17	2	25	22	27	26	24
Compressor	Type								Drive	en vapou	ır compr	essor				
	Quantity					1			2	1		2			3	
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91	91.1	92	93.3	94.3	99	100	101
Sound pressure leve	l Cooling	Nom.		dBA	69.6	70.6	71.6		72.6		73.6	74.6	75.6	80	81	82
Operation range	Evaporato	r Cooling	Min.~Max.	°CDB						4~	-20					
	Condense	Cooling	Min.~Max.	°CDB	20	~55	20~42	20	~55	20~42	20~55	20	~42	20~55	20	~42
Refrigerant	Type/GWF	)								R-1234	1(ze)/7					
	Charge			kg		12	20			180		23	30	320	340	390
	Circuits	Quantity									1					
Refrigerant charge				TCO2Eq				1					2		-	
Piping connections	5			mm		13	9.7			168.3				219.1		
				mm		13	9.7			16	8.3		219.1	168.3	21	9.1
Unit	Running curren	t Cooling	Nom.	Α	72	99	112	133	144	125	198	222	249	297.8	339.2	374.1
Unit	Running curren			Α	95	150	123	19	90	142	300	246	284	451	370	448
Power supply	Phase/Fre	quency/Vo	ltage	Hz/V						3~/50	0/400					

performances according to CSS software 10.27



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**EWWH-DZXE** 

Cooling Only			E'	WWH-DZXE	245	345	405	470	480	490	685	740	810	955	C10	C12	C14
Space cooling	A Condition (35°C - 27/19)			kW	241.98	339.33	401.93	460.88	483.83	486.57	678.69	741	802.77	944.73	1,033	1,226	1,417
	ηs,c			%	331	3	50	335	345	344	356	344.6	358	356	36	4.2	371.8
SEER					8.85	8.75	8.79	8.94	8.4	8.9	9.18	8.8	9.22	9.15	9.	17	9.35
Cooling capacity	Nom.			kW	242	339	402	487	474	484	679	741	803	945	1,033	1,226	1,417
Power input	Cooling	Nom.		kW	47.9	63.4	75.1	98.7	79.5	95.1	126.3	144.6	149.4	159.2	192.9	229.5	238.3
Capacity control	Method							Variable				Stepless	Vari	able		Stepless	S
	Minimum	capacity		%	24	20	19	12	20	12	10	12	9	10	1	1	17
EER					5.05	5.	.35	4.93	5.97	5.09	5.37	5.13	5.37	5.93	5.35	5.34	5.94
ESEER					7.78	8.02	8	7.75	7.83	8.04	8.22	-	8.27	8.23		-	
IPLV					9.33	9.54	9.58	9.36	9.56	9.43	9.74	9.44	9.79	9.8	9.62	9.65	9.72
Dimensions	Unit	Height		mm		1,865			1,9	85		2,082	2,2	200	2,083	2,225	2,290
		Width		mm		1,055			1,1	60		1,510	1,2	270		1,510	
		Length		mm		3,6	525			3,585		4,688	3,5	80	4,793	4,768	4,812
Weight	Unit			kg	1,750	1,950	2,050	2,850	2,650	2,850	3,000	4,400	3,700	3,900	4,700	5,100	5,900
	Operation	weight		kg	2,033	2,276	2,407	3,197	3,162	3,354	3,568	4,970	4,412	4,699	5,370	5,890	6,920
Water heat	Туре									Floode	d shell a	nd tube					
exchanger -	Water volu	ıme		I	70	96	10	07	13	34	156	207.3	199	229	317	7.4	444.3
evaporator	Water flow rate	Cooling	Nom.	I/s	11.6	16.2	19.2	22.4	22.6	23.1	32.4	34.9	38.4	45.2	48.7	57.9	67
	Water pressure drop	Cooling	Nom.	kPa	29.7	28	8.4	37.8	30.8	32	41.3	31	38.1	36.9	37	38	33
Water heat exchanger -	Туре						Sh	ell and tu	ube			Flooded Shell & Tube	Shell a	nd tube	Floode	d Shell	& Tube
condenser	Water volu	ıme		I	83	100	12	20	188	170	211	326.4	263	320	359.9	442.6	603.6
	Water flow rate	Cooling	Nom.	I/s	13.9	19.2	22.8	26.7	26.4	27.7	38.5	41.8	45.5	52.8	57.8	68.8	78.4
	Water pressure drop	Cooling	Nom.	kPa	28	34	31	42	18	26	29	21	28	23	33	30	26
Compressor	Type								D	riven va	pour co	mpress	or				
	Quantity					1		2	1	:	2	3		2		3	
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	9	1.1	91	92	98	93.3	94.3	99	100	101
Sound pressure level	Cooling	Nom.		dBA	69.6	70.6	71.6		72.6		73.6	79	74.6	75.6	80	81	82
Operation range	Evaporator	Cooling	Min.~Max.	°CDB							4~20						
	Condenser	Cooling	Min.~Max.	°CDB	20	~55	20~42	20~55	20~42		20~55		20	~42	20~55	20	~42
Refrigerant	Type/GWP	1								R-	-1234(ze)	)/7					
	Charge			kg		130		120	190	20	00	350	2	50	400	420	470
	Circuits	Quantity									1						
Refrigerant charge				TCO2Eq				1				-		2		-	
Piping connections	;			mm		13	9.7			16	8.3				219.1		
=				mm		13	9.7				168.3			219.1	168.3	21	19.1
11.34	Running current	Cooling	Nom.	А	75	103	117	142	125	150	205	277	232	249	311	24	49
Unit													+				
Unit	Running current	Max		Α	95	150	123	190	142	190	300	286	246	284	451	370	448



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EWWS-DZXS

Cooling Only				EWWS-DZXS	320	440	530	610	640	700	880	C10	C13	C14	C15	C21
Space cooling	A Condition (35°C - 27/19			kW	315.85	438.98	520.21	629.71	630.64	694.46	875.77	1,043.15	1,304.67	1,390.46	1,549.85	2,027.16
	ηs,c			%	3.416	3.376	3.54	3.448	3.508	3.428	3.508	3.636	3.448	3.624	3.552	3.608
SEER					8.74	8.64	9.05	8.82	8.97	8.77	8.97	9.29	8.82	9.26	9.08	9.22
Cooling capacity	Nom.			kW	316	439	520	609	631	694	876	1,043	1,305	1,390	1,550	2,027
Power input	Cooling	Nom.		kW	67.1	90	103	126	132	127	177	205	270	257	312	384
Capacity control	Method									Vari	able					
	Minimum	capacity		%	30	2	21	16	15	18	1	11	7	9	8	6
EER					4.71	4.88	5.05	4.82	4.77	5.44	4.92	5.08	4.82	5.4	4.96	5.27
IPLV					9.31	9.25	9.61	9.29	9.44	9.77	9.45	9.83	9.1	9.96	9.38	9.34
Dimensions	Unit	Height		mm		1,865			1,9	85		2,200	2,083	2,200	2,225	2,290
		Width		mm		1,055			1,1	60		1,270	1,510	1,270	1,5	510
		Depth		mm		3,6	525			3,585		3,580	4,793	3,580	4,768	4,812
Weight	Unit	·		kg	1,700	1,900	2,000	2,8	850	2,600	2,900	3,600	4,350	3,800	4,750	5,500
•	Operatio	n weight		kg	1,973	2,216	2,347	3,197	3,344	3,102	3,458	4,292	5,020	4,579	5,540	6,570
Water heat	Туре								Flo	oded sh	ell and tu	ube				
exchanger -	Water vo	lume		I	70	96	10	07	1.	34	156	199	272	229	317	444
evaporator	Water flow rate	Cooling	Nom.	l/s	15.3	21.3	25.2	29.1	30.6	33.7	42.5	50.5	63.1	67.4	75	98.1
	Water pressure drop	Cooling	Nom.	kPa	47.3	40.9	44.8	59.1	51.1	61.7	64.5	59.3	59.5	74.4	61.3	70.4
Water heat	Туре								FI	ooded SI	nell & Tul	be				
exchanger -	Water vo	lume		I	83	100	12	20	170	188	211	263	360	320	443	604
condenser	Water flow rate	Cooling	Nom.	l/s	18.4	25.4	30.1	34.9	36.8	39.6	50.8	60.2	75.9	79.5	89.9	116
	Water pressure drop	Cooling	Nom.	kPa	49.4	60.4	54.5	74.2	46.5	42.1	51.5	50.4	56.1	53.4	43.7	55.7
Compressor	Type								Driv	en vapou	ır compr	essor				
	Quantity					1			2	1	:	2	3	2	:	3
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91.0	91.1	92.0	93.3	93.5	94.3	94.8	95.8
Sound pressure level	Cooling	Nom.		dBA	69.6	70.6	71.6		72.6		73.6	74.6	73.9	75.6	75.2	76.2
Refrigerant	Type/GW	Р								R-513	A/631					
	Charge			kg	120	150	120	140	190	180	200	230	240	230	2	70
	Circuits	Quantity									l					
Piping connections				mm		13	9.7			168.3				219.1		
				mm		13	9.7				168.3				219.1	



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EWWS-DZXE

Cooling Only				EWWS-DZXE	340	470	570	670	680	740	950	C10	C11	C14	C15	C17	C22
Space cooling	A Condition (35°C - 27/19			kW	336.72	471.24	558.03	676.76	674.49	728.69	941.72	1,024.55	1,117.07	1,419.67	1,450.66	1,652.82	2,128.5
	ηs,c			%	3.428	3.396	3.568	3.452	3.52	3.464	3.532	3.444	3.664	3.464	3.668	3.556	3.65
SEER					8.77	8.69	9.12	8.83	9	8.86	9.03	8.81	9.36	8.86	9.37	9.09	9.34
Cooling capacity	Nom.			kW	337	471	558	671	674	729	942	1,025	1,117	1,420	1,451	1,653	2,129
Power input	Cooling	Nom.		kW	70.2	95.1	108	13	39	129	188	209	215	287	259	324	385
Capacity control	Method										Variable	•					
	Minimum	capacity		%	29	2	.0	1	5	17		10		7	9	7	6
EER					4.8	4.96	5.15	4.8	4.85	5.61	5.01	4.89	5.18	4.94	5.6	5.1	5.52
IPLV					9.22	9.2	9.59	9.11	9.31	9.78	9.38	9.25	9.81	9.12	9.98	9.4	9.41
Dimensions	Unit	Height		mm		1,865			1,9	985		2,082	2,200	2,083	2,200	2,225	2,290
		Width		mm		1,055			1,1	160		1,510	1,270	1,510	1,270	1,5	510
		Depth		mm		3,6	525			3,585		4,688	3,580	4,793	3,580	4,768	4,812
Weight	Unit			kg	1,750	1,950	2,050	2,8	350	2,650	3,000	4,400	3,700	4,700	3,900	5,100	5,900
	Operatio	n weight		kg	2,033	2,276	2,407	3,197	3,354	3,162	3,568	4,970	4,412	5,370	4,699	5,890	6,920
Water heat	Type									Floode	d shell a	nd tube					
exchanger -	Water vo	lume		I	70	96	10	)7	13	34	156	207	199	272	229	317	444
evaporator	Water flow rate	Cooling	Nom.	I/s	16.3	22.9	27	32	32.7	35.3	45.6	49.6	54.1	68.8	70.3	80.1	102
	Water pressure drop	Cooling	Nom.	kPa	54.1	47.2	51.3	71.4	58.3	67.8	74.1	61.2	67.7	70.6	80.8	69.7	77.4
Water heat	Туре									Floode	ed Shell	& Tube					
exchanger -	Water vo	lume		I	83	100	12	20	170	188	211	326	263	360	320	443	604
condenser	Water flow rate	Cooling	Nom.	l/s	19.6	27.3	32.1	38.4	39.2	41.4	54.4	59.5	64.2	82.3	82.5	95.5	121
	Water pressure drop	Cooling	Nom.	kPa	56.5	69.8	62.4	90.8	53.2	46.1	59.4	43.6	57.7	66.4	57.7	49.5	60.7
Compressor	Type								С	Driven va	pour co	mpress	or				
	Quantity					1			2	1	2	3	2	3	2		3
Sound power level	Cooling	Nom.		dBA	87.9	88.9	89.9	91.1	91.0	91.1	92.0	92.6	93.3	93.5	94.3	94.8	95.8
Sound pressure level	Cooling	Nom.		dBA	69.6	70.6	71.6		72.6		73.6	73	74.6	73.9	75.6	75.2	76.2
Refrigerant	Type/GW	Р								R	-513A/6	31					
	Charge			kg	160	13	30	20	00	190	200	270	250	270	250	300	355
	Circuits	Quantity									1						
Piping connections				mm		13	9.7			16	8.3				219.1		
				mm		13	9.7				16	8.3				219.1	

- > Single Compressor chiller
- > High part load efficiency with Daikin VFD Unit Mounted -Refrigerant Cooled
- > Low Harmonics VFD option
- > Excellent Full Load performance
- > Unloading down to 10% without Hot Gas By Pass
- > Refrigerant flexibility with R-134a, R-1234ze and R-513A
- > Reduced refrigerant quantity
- > Touch screen operator panel
- > Unit mounted control panel
- > Rapid restart for fast start-up after power loss
- › Heat pump mode



#### Daikin Centrifugal Compressor

- > No compromises in application flexibility
- Proven compressor technology (Daikin centrifugal compressor design)





# Rapid restart for fast start-up after power loss

The UPS keeps the controller switched on enabling the unit to quickly reach the full load. Focused on data center and all applications where the cooling capacity supply is crucial.



#### Reduced refrigerant quantity

Thanks to the new high efficiency tubes and more compact heat exchanger design.



#### Heat pump mode

With reversibility on water side whenever a heating load is demanded thus improving suitability for applications with changing load during the year.

More details and final information can be found by scanning or clicking the QR codes.



DWSC-C	

Cooling Only		DWSC C	DWSC C	DWSC C
Cooling capacity	Min./Max.	kW	1,050 (1)/4,500 (1)	700 (1)/3,300 (1)
Compressor	Туре		Single stage centrifugal compressor	Single stage centrifugal compressor
Refrigerant	Туре		R-134a / R-513A	R-1234(ze)
Power supply	Frequency	Hz	50/60	50/60

- > Lower equipment, installation and annual operating costs than two single compressor chillers
- Main components can be removed or repaired without shutting down the unit as the chiller has two of everything (compressors, lubrication systems, control systems and starters)
- Compact design for small footprint and minimized installation space
- > Unloading to 5% of full load provides improved stability of the chilled water temperature and less harmful cycling of compressors
- > High efficiency flooded type shell and tube evaporator/condensers



#### Free cooling operation

Allows to reduce the power consumption generated by traditional mechanical cooling.



#### Touch screen operator panel



Touch screen operator panel is graphically intuitive and easy to use for enhanced operator productivity. Important status and control information is available at a glance or a touch.

#### Unit mounted control panel



More details and final information can be found by scanning or clicking the QR codes.



Cooling Only		DWDC C	DWDC C
Cooling capacity	Min./Max.	kW	2,100 (1)/9,000 (1)
Compressor	Туре		Single stage centrifugal compressor
Refrigerant	Type		R-134a / R-513A / R-1234(ze)
Power supply	Frequency	Hz	50/60

#### **Accessories - Chillers**

								Air-cooled chille	ers	
Panels			EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB & C	EWAD~TZB & C	EWAD~T- C
EKDICMPAB	(a) (b) (c)	iCM Primary Basic								•
EKDICMPAL	(a) (b) (c)	iCM Primary for evaporator peripherals Light						•	•	•
EKDICMPAF	(a) (b) (c)	iCM Primary for evaporator peripherals Full						•	•	•
EKDICMPWL	(a) (b) (c)	iCM primary Evaporator/Condenser Light								
EKDICMPWF	(a) (b) (c)	iCM primary Evaporator/Condenser Full								
EKDICMCTL	(a) (b)	iCM Cooling towers Light								
EKDICMCTF	(a) (b)	iCM Cooling towers Full								
EKDICMPABIO	(a) (b)	iCM Primary Basic with IO third party chiller						•	•	•
EKDICMPALIO	(a) (b)	iCM Primary Evaporator Light with IO third party chiller						•	•	•
EKTSMS		Temperature sensor for master/slave configuration					•			
EKRUMCL1		User Interface	•							

							Air-cooled chill	ers	
Serial Cards & Commu	nication Modules	EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB&C	EWAD~TZB & C	EWAD~T-C
EKAC200J	Serial Card RS485/Modbus			•					
EKACBAC	Ethernet Card BACnet			•					
EKACLONP	Serial Card LON FTT 10			•					
EKACRS232	EKACRS232 Serial Card RS232 Modem Interface (single unit only)			•					
EKACWEB	Web Server Card			•					
EKACBACMSTP	Serial Card BACnet MSTP			•					
EKACBACCERT	Serial Card BACnet pre-loaded IP/Ethernet (centrifugal chillers)								
EKACMSTPCERT	Serial Card BACnet pre-loaded MSTP (centrifugal chillers)								
EKCM200J	ModBus RTU communication module				•				
EKCMLON	LON communication module				•	•	•	•	•
EKCMBACMSTP	BACnet/MSTP communication module				•				
EKCMBACIP	BACnet/IP communication module				•	•	•	•	•
EKDOSMWO	Daikin on Site Modem without M2M card			•	•	•	•	•	•

								Air-cooled chille	ers	
Other Systems & Acc	essories		EWAA~BVP EWYA~BVP	EWAA~DA EWYA~DA	EWYD~BZ	EWYD~4Z	EWYT~B-	EWAH~TZB&C	EWAD~TZB & C	EWAD~T- C
EKCON		Converter RS485 to RS232			•					
EKCONUSB		Converter RS485 to USB			•					
EKMODEM		Fixed modem	· ·		•					
EKGSMOD		GSM modem	· ·		•					
EKRUPCJ		Remote display kit			•					
EKRUPCS		Local/remote display HMI				•	•	•	•	•
EKPWPROEXT		PlantWatchPro I/O extension module for hardwiring and retrofit			•					
EKGWWEB		Gateway web (Ethernet LAN SNMP)			•					
EKGWMODEM		Gateway for modem			•					
EKAC10C		Address card for connection to BMS or Remote user interface								
EKRUMCA		Remote installed user interface								
EKLS2	(d)	Low noise kit 22/28/35/45/55/65 Hp-units								
ECB2MUCW	(e)	Controller kit								
ECB3MUCW	(e)	Controller kit	· ·							
EKRP1AHT	(g)	Digital input/output PCB	· ·							
EKRUAHTB	(g)	Remote user interface								
DTA104A62	(f)	External control adapter								
BHGP26A1	(f)	Digital pressure gauge kit								
EKQDP2M016	(g)	Differential Pressure Sensor 4-20 mA 0-160 kPa					•	•	•	•
EKQDP2M020	(g)	Differential Pressure Sensor 4-20 mA 0-250 kPa					•	•	•	•
EKQDP2M040	(g)	Differential Pressure Sensor 4-20 mA 0-400 kPa	1				•	•	•	•
EKQDP2M060	(g)	Differential Pressure Sensor 4-20 mA 0-600 kPa	1				•	•	•	•
EKDAPCONT		Containerization of one unit			•	•	•	•	•	•
EKDAPSTF		Containerization of additional units in the same container			•	•	•	•	•	•

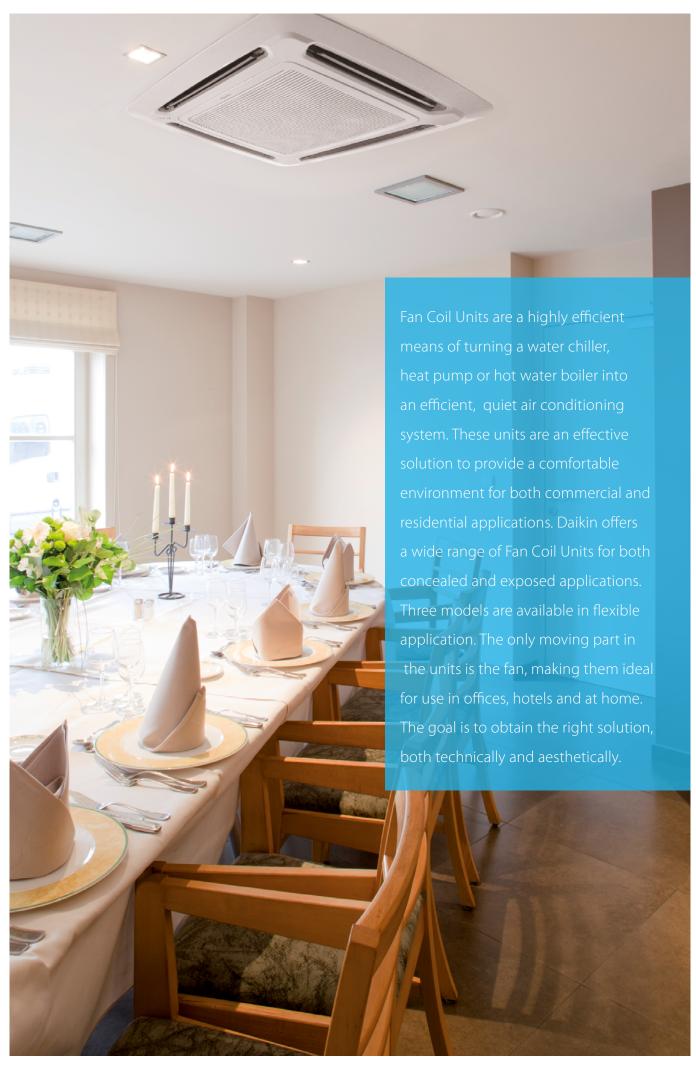
Notes:
(a) Price does not include commissioning of panel; if commissioning is required please refer to RN17-041
(b) iCM panels work in cooling mode only; heat pump versions, total heat recovery and Free cooling options on A/C and W/C chillers are not compatible
(c) In case you are ordering iCM panels please add corresponding modbus RTU communication module (EKCM200J or EKAC200J) for each chiller unit controller
(d) For 45/55/65 Hp-units 2 pieces are needed
(e) Only available for modular units (EWWP~KAW1M)
(f) Price available in SAP system
(g) Differential pressure sensor are specific for iCM panels in variable primary flow management

#### Accessories - Chillers

					V	Water-cooled chille	rs			Centrifugals					
ERAD~E-	EWAT~B-	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_QL	EWLD~I-	EWWS/H/D~J- EWLS/H/D~J-	EWWH~VZ	EWWD~VZ	EWWH~DZ	EWWD~DZ	DWSC & DWDC			
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					1	Water-cooled chiller	'S				Centrifugals	
ERAD~E-	EWAT_B- (single)	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_QL	EWLD~I-	EWWD~J- EWLD~J-	EWWH~VZ A	EWWD~VZ A	EWWH~DZ	EWWD~DZ	DWSC & DWDC
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					Water-cooled chille	rs				Centrifugals	
EWAT_B- (single)	EWAD~CF	EWWQ~KC	EWLQ~KC	EW_Q-G EW_QL	EWLD~I-	EWWD~J- EWLD~J-	EWWH~VZ A	EWWD~VZ A	EWWH~DZ	EWWD~DZ	DWSC & DWDC
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	EWAT_B- (single)	EWAT_B- (single)  EWAD~CF	EWAT_B- (single)  EWAD~CF  EWWQ~KC	EWAT_B- (single)  EWAD~CF  EWWQ~KC  EWLQ~KC	EWAT_B- (single)  EWAD~CF  EWWQ~KC  EWLQ~KC  EW_Q-L	Water-cooled chiller  EWAT_B- (single)  EWAD~CF  EWWQ~KC  EWLQ~KC  EW_Q-L  EWLD~I-	Water-cooled chillers  EWAT_B- (single)  EWAD~CF  EWWQ~KC  EWLQ~KC  EWLQ~KC  EWLQ~L  EWLD~1-	Water-cooled chillers  EWAT_B-(single) EWAD~CF EWWQ~KC EWLQ~KC EW_Q_L EWLD~L EWUD~J- EWUD~J- EWUD~J- EWLD~J- E	Water-cooled chillers    EWAD - CF	Water-cooled chillers	Water-cooled chillers



# Fan coil units

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As more buildings undergo renovation, the need to be able to deliver high indoor air quality in a specific space in an **efficient and cost-effective way** without having to do a radical re-fit of the entire HVAC system has made fan coil technology an obvious solution.

Daikin has a full capacity range of **aesthetically pleasing** fan coil units with advanced controls that reliably deliver **excellent comfort levels**. And by using a refined range of advanced DC fan motors, we are able to offer flexibility while maintaining very low noise levels.

# Why choose Daikin fan coil units?

- The new brushless DC ranges reflect
   Daikin's commitment to developing
   highly efficient fan coil units that
   help to reduce energy consumption,
   without compromising on reliability
   and performance.
- High level quality is written large for us and we are pleased to offer high technology solutions to the market.

### Benefits for the installer

- > Reduced amount of sizes: less stock space needed
- > Modular designs for multiple configurations
- Easy integration in BMS system via modbus protocol

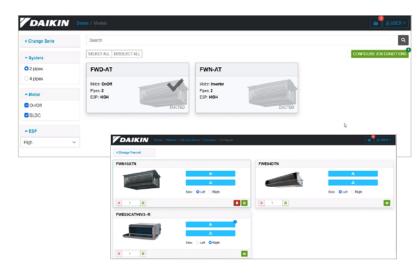
### Benefits for the consultant

- Best solution in the market in order to have top efficiency,
   best comfort and lowest sound levels
- Product flexibility: wide range of options, accessories and controls

#### Benefits for the end user

- > High comfort level
- > Up to 70% savings on running costs with a BLDC fan motor
- Controller with timer programmed operating mode
- FWECSA controller that can satisfy all customer requirements in terms of FCU management

### New generation web-based fan coil selection software



Select your FCU via our new web-based selection software:

- > Selection logic is based on the performance conditions requested and filtered by the user
- The unit is completely configurable by the user with all the options/accessories available
- A modular report with certified technical specifications and project summary can be printed

### BIM objects

Our Fan Coils units are available as BIM objects in Revit format, which means they can be used in Autodesk REVIT MEP and in AutoCAD 2D files.

**Visit our BIM Application Suite** 

#### BLDC fan motors Video

Learn more on the advantages of BLDC fan motors in Fan coil units:

Higher efficiency than AC motor High comfort level Low sound levels High flexibility level







### Expanded FCU Controller Lineup

#### FWEC2T/4T/10 Simplified electronic controller

Wired on-wall controller available in 3 models:

- > 2 pipe
- > 4 pipe
- BLDC (with automatic speed function)
- 230 V ON-OFF valve control (cooling/heating)
- Dedicated temperature probe and on-board mounting kit





FWH-A (AC) & FWI-A (BLDC)

New "open protocol" cassette



#### Structure

- > 600x600 (02 up to 04 size)
- > 900x900 (06 up to 08 size)
- > Condensate drainage pump operates up to 0.9m
- > 4-way air discharge with RAL9003 ABS panel

#### Performance

- > BLDC fan-motor technology
- > up to 5 kW for 600x600 models
- y up to 10 kW for 900x900 models

#### Control

- > Compatible with FCU Daikin wired room controllers
- > The "open protocol" feature allows 3rd party controller and BMS integration through the ModBus protocol

#### **Options**

- > Pressure Independent Control valve kit
- > ON/OFF and proportional valve kit
- > Ready to be combined with spigot for fresh air introduction and air distribution plenum



# FWF-D (BLDC)

New "open protocol" cassette



#### Structure & Performance

- > 600x600 module
- > BLDC fan-motor
- > Cooling capacity up to 5 kW

#### **Options & Controls**

- > 230V ON-OFF valve available factory mounted
- > Compatible with FCU Daikin wired room controllers
- > The "open protocol" feature allows 3rd party controller and BMS integration through the ModBus protocol

# Products overview

Туре	Model	Product name		Fan motor type	Capacity
	Round flow cassette  - 900 x 900 cassette  - 360° air discharge ensures uniform air flow  - Integrated fresh air intake  - Easy installation in corners  - Standard drain pump with 850 mm lift	FWC-BT/BF		BLDC	Cooling: 4.0 - 8.7 kW Heating: 4.8 - 10.6 kW
	4-way blow ceiling mounted cassette  - 600 x 600 cassette  - Integrated fresh air intake  - Horizontal auto swing  - Easy installation in corners  - Standard drain pump with 750 mm lift	FWF-BT/BF		AC	Cooling: 1.4 - 4.9 kW Heating: 2.3 - 5.6 kW
Cassette	Open Protocol Cassette  - 600 x 600 and 900 x 900 cassette  - BLDC motor with low energy consumption up to 75%  - 4-way air discharge  - Open protocol for control  - Condensate drainage pump up to 900 mm lift	FWI-AT/AF		BLDC	Cooling: 1.33 - 10.5 kW Heating: 1.49 - 12.2 kW
	Open Protocol Cassette - 600 x 600 and 900 x 900 cassette - ON/OFF 3-speed motor - 4-way air discharge - Open protocol for control - Condensate drainage pump up to 900 mm lift	FWH-AT/AF		AC	Cooling: 1.70 - 9.73 kW Heating: 1.97 - 11.1 kW
	Open protocol cassette - 600 x 600 cassette - BLDC fan-motor with improved energy efficiency - Possibility to choose the fully-flat design panel - Standard DC drain pump with 835 mm lift - Open protocol for control	FWF-DT/DF		BLDC	Cooling: 1.3 - 5.1 kW Heating: 1.56 - 5.74 kW
	Floor standing unit - For vertical mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWZ-AT/AF		BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
Floor standing units	Floor standing unit  - For horizontal or vertical concealed mounting  - Insulated valve packages, no extra drain pan required  - Fast-on connections for electrical options: no tools needed  - Easy maintenance	FWV-DAT/DAF		AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
	Flexi type unit - For horizontal or vertical mouting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWR-AT/AF		BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46- 11.18 kW
	Flexi type unit  - For horizontal or vertical concealed mounting  - Insulated valve packages, no extra drain pan required  - Fast-on connections for electrical options: no tools needed  - Easy maintenance	FWL-DAT/DAF		AC	Cooling: 1.46 - 8.02 kW Heating: 1.90 - 10.03 kW
Flexi type units	Concealed flexi type unit - For horizontal or vertical concealed mounting - Continuous air flow regulation and fan speed modulation - Up to 70% energy savings - Low sound levels	FWS-AT/AF		BLDC	Cooling: 2.64 - 10.08 kW Heating: 2.46 - 11.18 kW
	Concealed flexi type unit  - For horizontal or vertical concealed mounting  - Insulated valve packages, no extra drain pan required  - Fast-on connections for electrical options: no tools needed  - Easy maintenance	FWM-DAT/DAF	- or	AC	Cooling: 1.46 -8.02 kW Heating: 1.90 - 10.03 kW
	Concealed flexi type - For horizontal or vertical concealed mounting - Available static pressure up to 30 Pa - Easy installation and maintenance - 5/6 speed fan motor - High power air flow	FWE-DT/DF		AC	Cooling: 1.2 - 5.6 kW Heating: 1.3 - 6.3 kW
	Ducted unit with low ESP - For horizontal concealed mounting - Available static pressure up to 80 Pa - Easy installation and maintenance - 4-speed fan-motor - Improved sound quality	FWE-FT/FF		AC	Cooling: 0.9 - 11.5 kW Heating: 1.49 - 12.05 kW
	Ducted unit with medium ESP - For horizontal concealed mounting - Instant adjustment to temperature and relative humidity changes - Available static pressure up to 70 Pa - Low sound levels	FWP- CT/ CF		BLDC	Cooling: 1.97 - 8.28 kW Heating: 1.99 -8.46 kW
Ducted units	Ducted unit with medium ESP - For horizontal concealed mounting - Available static pressure up to 60 Pa - 7-speed electrical motors (thermal protection on windings) - Easy maintenance	FWB-CT/CF		AC	Cooling: 1.90 - 8.12 kW Heating: 1.99 -8.46 kW
	Ducted unit with high ESP - For horizontal or vertical concealed mounting - Avaiable static pressure up to 70 Pa - Easy maintenance	FWN-AT/AF		BLDC	Cooling: 2.83 - 8.75 kW Heating: 3.63 - 18.10 kW
	Ducted unit with high ESP - For horizontal or vertical concealed mounting - Available static pressure from 60 up to 145 Pa - Easy maintenance	FWD-AT/AF		AC	Cooling: 3.90 - 18.30 kW Heating: 4.05 - 21.92 kW
Wall mounted unit	Wall mounted unit  - High aesthetic cabinet design  - Optimum air distribution  - Easy installation	FWT-GT		AC	Cooling: 2.43 - 5.28 kW Heating: 3.22 - 7.33 kW

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# ROUND FLOW

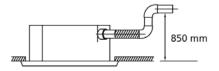
### **Round flow cassette**

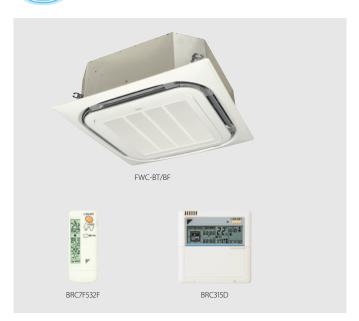
# BLDC fan motor unit for ceiling mounting. 360° air discharge

- > 360° air discharge ensures uniform air flow and temperature distribution
- > Modern style decoration panel in white (RAL9010)
- > Optional fresh air intake
- > Comfortable horizontal air discharge ensures draughtfree operation and prevents ceiling soiling



- > Possibility to shut 1 or 2 flaps for easy installation in corners
- > Standard drain pump with 850mm lift increases flexibility and installation speed





More details and final information can be found by scanning or clicking the QR codes.



FWC-BT



FWC-BF

Indoor unit			FWC-BT/BF	06	07	08	09	06	07	08	09		
					2-р	ipe			4-p	ipe	pe		
Cooling capacity	Total	High	kW	5.5	6.1	7.2	8.1	5.9	6.3	7.2	8.3		
(standard	capacity	Medium	kW	4.7	5.3	5.9	6.8	5.1	5.6	6.2	6.9		
conditions)		Low	kW	3.9	4.5	4.8	5.4	4.3	4.6	4.8	5.7		
	Sensible	High	kW	4.2	4.7	5.7	6.5	4.2	4.6	5.4	6.4		
	capacity	Medium	kW	3.5	4.0	4.5	5.3	3.6	4.0	4.5	5.2		
		Low	kW	2.8	3.3	3.5	4.1	3.1	3.3	3.5	4.0		
Heating capacity	High		kW	6.8	7.7	9.2	10.6	6.9	7.8	9.2	10.4		
(standard	Medium		kW	5.8	6.6	7.6	8.8	6.1	6.7	7.6	8.7		
conditions)	Low		kW	4.8	5.5	5.8	7.0	5.2	5.5	5.8	6.8		
Power input	High		kW	0.045	0.054	0.077	0.107	0.046	0.055	0.077	0.107		
	Medium		kW	0.040	0.046	0.058	0.076	0.041	0.047	0.059	0.077		
	Low		kW	0.034	0.037	0.039	0.045	0.035	0.038	0.040	0.046		
FCEER				116	119	113	104	124	120	112	106		
FCCOP				143	147	141	137	149	144	138	131		
Dimensions	Unit	HeightxWidthxLength	mm				288x84	40x840					
Weight	Unit		kg		2	6			2	9			
Fan	Type						Turb	o fan					
	Quantity							1					
	Air flow	High	m³/h	1,068	1,236	1,518	1,776	1,032	1,200	1,476	1,746		
	rate	Medium	m³/h	894	1,038	1,200	1,410	864	1,002	1,164	1,374		
		Low	m³/h	720	834	888	1,044	708	804	852	1,014		
Total sound power	High		dBA	43.0	47.0	53.0	57.0	43.0	47.0	53.0	57.0		
level	Medium		dBA	36.0	39.0	44.0	49.0	36.0	39.0	44.0	49.0		
	Low		dBA	31.0	33.0	36.0	40.0	33.0	36	5.0	40.0		
Sound pressure	High		dBA	29.0	33.0	39.0	43.0	29.0	33.0	39.0	43.0		
level	Medium		dBA	24.0	28.0	32.0	37.0	24.0	28.0	32.0	37.0		
	Low		dBA	21.0	22.0	24.0	28.0	21.0	22.0	24.0	28.0		
Piping connections	Drain	OD	mm			VP25 (	External dia.	32 / internal c	lia. 25)				
Power supply	Phase/Fre	quency/Voltage	Hz/V				1~/50/2	220-240					
Control systems	Infrared re	emote control					BRC7E532F	/ BRC7E533F					
	Wired ren	note control		BRC315D7									

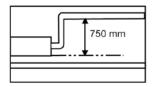
For standard conditions refer to Measuring Conditions table, at the end of this catalogue  $\,$ 

# 4-way blow ceiling mounted cassette

# AC fan motor unit for ceiling mounting. Possibility to shut 1 or 2 flaps

- > Modern style decoration panel in white (RAL9010)
- > Compact casing (570mm in width and Length) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- > Comfortable horizontal auto swing ensures draughtfree operation and prevents ceiling soiling
- > Optional fresh air intake
- > Possibility to shut 1 or 2 flaps for easy installation in corners
- > Standard drain pump with 750mm lift increases flexibility and installation speed





More details and final information can be found by scanning or clicking the QR codes.

Indoor unit



04

FWF-BT

02



03

FWF-BF

Indoor unit			FMF-RI/RE	02	03	04	05	02	03	04	05				
					2-	pipe		4-pipe							
Cooling capacity	Total	High	kW	1.7	3.0	4.0	4.9	1.8	2.9	3.8	4.6				
(standard	capacity	Medium	kW	1.5	2.7	3.1	4.0	1.5	2.4	3.1	3.8				
conditions)		Low	kW	1.3		2.4	2.8	1.3	1	.6	2.6				
	Sensible	High	kW	1.4	2.0	2.7	3.5	1.5	1.8	2.5	3.2				
	capacity	Medium	kW	1.2	1.7	2.0	2.7	1.2	1.5	1.9	2.5				
		Low	kW	1.0		1.4	1.8		1.0		1.6				
Heating capacity		High	kW	2.4	3.3	4.5	5.6	3.3	3.6	4.7	5.7				
(standard		Medium	kW	2.1	2.9	3.5	4.4	2.9	3.1	3.7	4.7				
conditions)		Low	kW	1.9		2.7	3.0	2.4	2	.6	3.2				
Power input		High	kW	0.	.074	0.090	0.118	0.	074	0.094	0.121				
		Medium	kW	0.067		0.070	0.089	0.067	0.062	0.074	0.093				
		Low	kW	0.060		0.055	0.062	0.060	0.0	)55	0.066				
FCEER				22	40	44	45	22	33	34	40				
FCCOP				32	45		19	41	4	18	49				
Dimensions	Unit	HeightxWidthxLength	mm				285x5	75x575							
Weight	Unit		kg			19			2	20					
Fan	Type				Turbo fan										
	Quantity							1							
	Air flow	High	m³/h	456	468	660	876	468	438	618	822				
	rate	Medium	m³/h	384	390	486	648	390	366	456	612				
		Low	m³/h	300		318	420	318	30	00	390				
Total sound power	High		dBA	4	4.0	50.0	55.0	44.0	46.0	52.0	57.0				
level	Medium		dBA	4	0.0	44.0	49.0	40.0	42.0	46.0	51.0				
	Low		dBA	36.0	3	8.0	42.0	36.0	38.0	41.0	44.0				
Sound pressure	High		dBA	3	31.0	40.0	45.0	31.0	33.0	42.0	47.0				
level	Medium		dBA	2	27.0	33.0	39.0	27.0	29.0	35.0	41.0				
	Low		dBA		26.0		30.0	26.0	2	7.0	32.0				
Piping connections Drain OD		mm	VP20 (External dia.26 / Internal dia.20)												
Power supply	ower supply Phase/Frequency/Voltage Hz/V			1~/50/220-440											
Control systems	Infrared r	emote control		BRC7E530 / BRC7E531											
	Wired remote control			BRC315D7											

03

FWF-BT/BF

# **Open protocol BLDC cassette**

# BLDC fan motor unit for ceiling mounting 4-way air discharge

- > Compact casing (570mm in width and Length) enables unit to fit flush into ceilings and match standard architectural modules, without cutting ceiling tiles
- > Modern ABS or fully-flat design air intake grille
- > Reliability and sturdiness in a compact design
- > Condensate drainage pump up to 835mm lift
- > Wide range of controllers with the open protocol
- > Availability of 2-way or 3-way valves with ON-OFF actuator factory mounted



More details and final information can be found by scanning or clicking the QR codes.



FWF-D

Indoor Unit			FWF	02DF	02DT	03DT	03DF	04DF	04DT	05DT	05D
Cooling capacity	Total	High	kW	-	2.00	3.00		-	4.07	5.10	-
(standard	capacity	Medium	kW	-	1.67	2.78		-	3.41	4.16	-
conditions)	2-pipe	Low	kW	-	1.30	2.37		-	2.65	2.93	-
	Total	High	kW	2.00		-	3.00	4.00		-	5.02
	capacity	Medium	kW	1.71		-	2.77	3.33		-	4.00
	4-pipe	Low	kW	1.44		-	2.30	2.58		-	2.64
	Sensible	High	kW	-	1.76	2.31		-	3.01	3.88	-
	capacity	Medium	kW	-	1.43	2.08		-	2.49	3.08	-
	2-pipe	Low	kW	-	1.09	1.75		-	1.91	2.11	-
	Sensible	High	kW	1.76		-	2.19	2.88		-	3.67
	capacity	Medium	kW	1.46		-	1.99	2.33		-	2.88
	4-pipe	Low	kW	1.20		-	1.61	1.78		-	1.85
	Latent capacity 2-pipe	High	kW	-	0.24	0.69		-	1.06	1.22	-
	Latent capacity 4-pipe	High	kW	0.24		-	0.81	1.12		-	1.35
Heating capacity	Capacity	High	kW	-	2.54	3.30		-	4.26	5.74	-
standard	2-pipe	Medium	kW	-	2.05	2.96		-	3.48	4.34	-
conditions)		Low	kW	-	1.56	2.44		-	2.69	2.95	-
	Capacity	High	kW	3.31		-	4.15	4.59		-	5.64
	4-pipe	Medium	kW	2.77		-	3.61	3.75		-	4.32
		Low	kW	2.23		-	2.78	2.90		-	2.99
Power input			kW	0.017	0.018	0.0	019	0.0	024	0.045	0.04
			kW		0.01		0.	02	0.01	0.	02
CEER				129	121	188	156	174	180	120	130
-CCOP				220	156	197	193	198	194	128	174
FCEER CLASS					3	Α			В		
CCOP CLASS				В	С			В		С	В
Dimensions	Unit	HeightxWidthxDepth	mm				260x6	42x575			
Weight	Unit	-	kg	16.0	14.5	15.5	17	7.0	15	5.5	17.0
an	Туре						Turb	o fan			
	Quantity							1			
	Air flow	High	m³/h	477	498	516	534	612	623	860	847
	rate	Medium	m³/h	389	388	455	463	487	496	634	607
		Low	m³/h	301	278	363	356	361	369	408	367
Total sound power	Hiah		dBA	41	1.0	42.0	44.0	48.0	47.0	54.0	56.0
evel	Medium		dBA		7.0	39.0	40.0	43.0	41.0	46.0	48.0
	Low		dBA	34.0	33.0		5.0	38.0	36.0	39.0	40.0
Sound pressure	High		dBA		7.0	28.0	30.0	34.0	33.0	40.0	42.0
evel	Medium		dBA	23		25.0	26.0	29.0	27.0	32.0	34.0
	Low		dBA	20.0	19.0		2.0	24.0	22.0	25.0	26.0
Water flow	Cooling	High	I/h	345	344	515	516	687	699	878	864
_		Medium	l/h	294	286	477	476	573	586	716	687
		Low	I/h	248	224	407	396 444		455	504	455
	Heating	High	I/h	285	437	568	357	395	733	987	485
	ricuting	Medium	I/h	238	353	508	310	322	599	747	371
					269	419	239	249	463	507	257
Piping connections	Drain	OD	I/h mm	192	209		External dia.			307	231

Cooling: air 27°CDB, 19°CWB; entering water 7°C; leaving water 12°C | Heating: 2 pipe: air 20°CDB, 15°CWB; entering water 45°C; leaving water 40°C | Heating: 4 pipe: air 20°CDB, 15°CWB; entering water 65°C; leaving water 55°C | The unit is not pre-charged. A minimal rest charge is present related to factory quality inspection | Airflow value measurements are performed at 20°C(DB)/15°C(WB) condition.

## **Open Protocol Cassette**

# BLDC fan motor for a precise control of operation 4-way air discharge

- > Two dimensional frames (600x600mm and 900x900mm)
- > Modern style ABS air intake diffusion grille
- > Low operating sound level
- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- > Condensate drainage pump up to 900mm lift
- > Available with mounted control board or in naked version to be combinable with any controller
- > Reduced installation and commissioning time with the availability of 2-way or 3-way valves, with ON-OFF or modulating actuator, and also pressure-independent control valves



More details and final information can be found by scanning or clicking the QR codes.





FWI-AF

Indoor unit			FWI-AT/FWI-AF	02	03	04	06	07	08	02	04	06	08	
						2-p	ipe				4-p	ipe		
Cooling capacity	Total capacity	High	kW	2.63	4.39	5.23	6.39	9.04	10.5	2.6	3.61	6.61	9.5	
(standard		Medium	kW	2.24	3.4	3.95	5.36	7.26	8.37	2.18	2.8	5.34	7.6	
conditions)		Low	kW	1.93	2.68	2.76	4.8	5.92	6.7	1.85	2.05	4.61	6.0	
	Sensible	High	kW	2.2	3.41	4.11	4.75	6.78	7.97	2.23	3.31	5.03	7.5	
	capacity	Medium	kW	1.81	2.54	2.96	3.92	5.31	6.15	1.79	2.38	3.94	5.8	
		Low	kW	1.51	1.94	1.98	3.8	4.24	4.8	1.46	1.62	3.34	4.5	
Heating capacity	High		kW	3.25	4.58	5.55	7.30	10.20	12.20	3.86	4.98	9.53	12.9	
(standard	Medium		kW	2.70	3.48	4.09	6.00	7.99	9.35	3.34	4.06	7.96	10.8	
conditions)	Low		kW	2.27	2.69	2.77	5.50	6.33	7.23	2.90	3.14	7.01	8.9	
Power input	High		kW	0.018	0.037	0.067	0.036	0.067	0.15	0.018	0.067	0.036	0.1	
•	Medium		kW	0.01	0.015	0.022	0.018	0.036	0.06	0.01	0.022	0.018	0.0	
	Low		kW	0.007	0.009	0.009	0.013	0.018	0.025	0.007	0.009	0.014	0.02	
Dimensions	Unit	Height	mm		298			350		2	.98	3	50	
		Width	mm		577			793			577		93	
		Depth	mm		577			793			577		93	
Weight	Unit		kg		23			43			23		43	
Casing	Material		9						sed steel				-	
Decoration panel	Dimensions	Height	mm		41			75			41	7	75	
Decoration panel	2	Width	mm		730			860			'30		60	
		Depth	mm		730			860			'30		60	
		Weight	kg		2.5			5			2.5		5	
Air Filter	Туре	Weight	Ng I		2.3		Но		oolypropyl					
Fan	Туре								Centrifuga					
	Quantity							Dackwara	1					
		High	m³/h	583	796	980	1,276	1,554	1,831	610	982	1,137	1,82	
		Medium	m³/h	454	551	650	978	1,143	1,321	460	643	841	1,31	
		Low	m³/h	397	397	397	843	864	976	356	395	687	95	
Total sound power	Liah	LOW	dBA	46	54	61	45	53	58	46	61	45	58	
level	Medium		dBA	40	44	49	39	45	50	40	49	39	50	
ievei			dBA	35	37		35	39	43	35	38	35	43	
C	Low		dBA	38	46	38 61	35	45	50	46	61	45	58	
Sound pressure level	High Medium		dBA	38	-	-	31	37	42	-	-	39	50	
icvei					36	49		-		40	49		-	
Water flow	Low	110.1	dBA I/h	27 452	29 754	38	27	31	_	1.47	38	35	43	
water now	Cooling	High				898	1,097 921	1,545	1,805	447	620	1,135 917	1,63	
		Medium	I/h	385	584	687	-	1,245	1,436	374	480	-	1,30	
		Low	I/h	331	460	473	833	1,015	1,150	317	352	792	1,04	
	Heating	High	I/h	565	797	965	1,269	1,779	2,116	338	435	834	1,13	
		Medium	I/h	470	605	711	1,043	1,390	1,625	292	356	697	94	
	<b>.</b>	Low	I/h	395	468	481	953	1,100	1,257	254	275	613	78.	
Allowed water temperature	Cooling	Min	°€						5					
· ·	Heating	Max	°C				1		70					
Piping connections	Water	Inlet			1/2"			3/4"			/2"		/4"	
		Outlet											/4"	
	Drain	OD	mm											
Power supply	Phase/Freque	ncy/Voltage							0/230					
Maximum absorbe	d current		A	A 0.64 1.20 0.64 1.20										
Control systems	Wired remote							FWECSA /						

### **Open Protocol Cassette**

# AC fan motor unit for ceiling mounting 4-way air discharge

- > Two dimensional frames (600x600mm and 900x900mm)
- > Modern style ABS air intake diffusion grille
- > Reliability and sturdiness in a compact design
- > Condensate drainage pump up to 900mm lift
- Available with mounted control board or in naked version to be combinable with any controller
- > Reduced installation and commissioning time with the availability of 2-way or 3-way valves with ON-OFF or modulating actuator



More details and final information can be found by scanning or clicking the QR codes.







Indoor unit FWH-AT/FWH-AF 02 03 04 06 08 02 03 04 06 08 4-pipe 2-pipe Cooling capacity Total capacity High kW 9 2.53 4.31 7.01 8.24 9.73 2.35 3.38 3.62 7.45 Medium kW 3.55 6.11 8.61 1.85 2.83 3.38 8.48 1.97 4.61 5.36 6.6 conditions) Low kW 1.7 2.39 3.4 4.64 5.16 6.34 1.56 2.01 2.58 4.73 5.83 Sensible High kW 2.14 3.18 3.79 5.29 6.1 7.35 1.94 3.38 3.02 5.81 6.98 capacity Medium kW 2.53 3.44 3.99 4.37 6.4 1.49 2.22 2.77 5.04 6.56 1.6 Low kW 1.33 1.66 2.43 3.42 3.68 4.59 1.24 1.49 3.47 4.29 2 Heating capacity High kW 3.1 4.3 5.35 8.17 9.18 11.1 3.55 4.22 4.81 10.6 12.4 (standard Medium kW 2.33 3.44 4.92 6.06 6.53 9.53 2.88 3.62 4.54 9.6 11.7 conditions) Low kW 1.97 2.29 3.49 5.16 5.22 6.71 2.53 2.75 3.67 7.20 8.64 Power input High kW 0.04 0.05 0.09 0.11 0.15 0.04 0.05 0.09 0.11 0.15 Medium kW 0.02 0.04 0.07 0.06 0.11 0.02 0.04 0.07 0.06 0.11 0.02 kW 0.02 0.03 0.05 0.06 0.03 0.05 Low 0.06 0.06 0.06 Dimensions Unit Height mm 298 350 298 350 Width 793 mm 577 577 793 793 577 793 Depth 577 mm Weight Unit kg 23 43 23 43 Galvanised steel Casing Material Dimensions 41 Decoration panel Height 41 75 mm 75 Width mm 730 860 730 860 Depth mm 730 860 730 860 Weight 2.5 kg 5 2.5 5 Air Filter Honeycomb polypropylene Type **Backward Centrifugal** Fan Type Quantity m³/h 557 640 805 1.494 1.380 1.651 640 805 1.380 Air flow rate High 533 1.651 Medium m³/h 379 487 717 997 902 1,380 366 487 717 1,147 1,544 m³/h 297 306 479 801 718 902 289 306 479 718 902 Total sound power High dBA 45 50 58 51 56 45 50 58 51 56 level Medium dBA 37 44 55 40 51 37 44 55 40 51 dBA 40 47 40 40 47 40 Low 33 35 33 35 Sound pressure High dBA 37 42 50 43 48 37 42 50 43 48 Medium dRA 29 36 47 32 43 29 36 47 32 43 dBA 25 32 39 27 32 25 32 39 27 32 Water flow 1,434 Cooling High l/h 441 749 873 1,223 1,696 410 589 637 1,299 1,571 Medium I/h 1,498 342 616 803 930 1.060 321 493 593 1.148 1,477 Low l/h 295 416 593 805 893 1,097 271 351 453 822 1,010 Heating High l/h 539 747 930 1,420 1,596 1,930 311 369 421 929 1,083 Medium l/h 1,136 404 597 855 1.053 1.656 258 317 398 840 1.026 Low I/h 342 399 607 897 908 1,167 222 241 322 634 757 Allowed water Cooling Min °C 5 temperature Heating Max °C 70 1/2 3/4 1/2 3/4' Piping connections Water Inlet Outlet 1/2" 3/4' 1/2" 3/4' Drain OD mm 10 Power supply Phase/Frequency/Voltage Hz/V 1~/50/230 Maximum absorbed current 0.2 0.4 0.7 0.2 0.4 0.7 Control systems Wired remote control FWEC1A / FWEC2A / FWEC3A / FWECSA / FWTOUCH / FWEC2T / FWEC4T

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

# Floor standing unit

BLDC fan motor unit for vertical mounting. Continuous air flow regulation and fan speed modulation

- > Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- > Instant adjustment to temperature and relative humidity changes
- > Low operating sound level
- > Highly flexible solutions: multiple sizes, piping topologies and connection valves
- > Requires very little installation space



More details and final information can be found by scanning or clicking the QR codes.



FWZ-AT



🗭 FWZ-AF

Indoor unit			FWZ-AT/AF	02	03	06	08	02	03	06	08		
					2-p		4-pipe						
Cooling capacity	Total	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79		
(standard	capacity	Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12		
conditions)		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06		
	Sensible	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76		
	capacity	Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54		
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01		
Heating capacity	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35		
(standard	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29		
conditions)	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85		
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087		
	Medium		kW	0	.01	0.02	0.038	0.	01	0.02	0.038		
	Low		kW		0.01		0.013		0.01		0.013		
FCEER				В		Α		В		A	В		
FCCOP				В		Α		В		A	В		
Dimensions	Unit	HeightxWidthxLength	mm	564x774x226	564x984x226	564x1,190x226	564x1,404x251	564x774x226	564x984x226	564x1,190x226	564x1,404x251		
Weight	Unit		kg	20.6	26.7	32.3	41.6	20.6	26.7	32.3	41.6		
Casing	Colour						White - F	RAL9010					
Air filter	Type						Polyprop	ylene net					
Fan	Type						Centri	ifugal					
	Quantity			1		2		1		2			
	Air flow	High	m³/h	344	442	785	1,393	327	431	763	1,362		
	rate	Medium	m³/h	271	341	605	1,022	261	332	593	1,007		
		Low	m³/h	211	241	470	642	205	237	460	636		
Total sound power	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0		
level	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0		
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48	8.0		
Sound pressure	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0		
level	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0		
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	4:	3.0		
Electric heater	Power inp	out (Optional)	kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-		
Piping connections	Drain	OD	mm				16	5					
Power supply	Power supply Phase/Frequency/Voltage						1~/50	/230					
Control systems	Wired ren	note control				FWEC3	A / FWECSA /	FWTOUCH/	FWEC10				

# Floor standing unit

#### AC fan motor unit for vertical mounting

- > Quick fixing system for wall mounted installation
- > Pre-assembled 3-way/4-port on/off valves are available
- > Valve packages are insulated, no extra drain pan required
- > Valve packages contain balancing valves and sensor pocket
- > Fast-on connections for electrical options: no tools needed
- > The air filter can easily be removed for cleaning
- > Electric heater: no relay up to 2kW capacity
- > Electric heater: equipped with two overheat cut-out thermostats



More details and final information can be found by scanning or clicking the QR codes.



FWV-DAT



FWV-DAF

Indoor unit			FWV-DAT/DAF	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
								2-р	ipe									4-р	ipe				
Cooling capacity	Total	High	kW	1.50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
(standard	capacity	Medium	kW	1.21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
conditions)		Low	kW	1.02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible	High	kW	1.16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
	capacity	Medium	kW	0.94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low	kW	0.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity	High		kW	1.82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.7	76	2.53	2.68	4.20	3.82	4.64	6.97	7.35
(standard	Medium		kW	1.48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.5	56	2.18	2.31	3.47	3.22	4.07	6.02	6.29
conditions)	Low		kW	1.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.3	36	1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High		kW	0.037	0.0	)53	0.057	0.056	0.065	0.0	98	0.182	0.244	0.037	0.0	)53	0.057	0.056	0.065	0.0	98	0.182	0.244
	Medium		kW	0.03		0.0	04		0.05	0.06	0.07	0.13	0.17	0.03		0.	04		0.05	0.06	0.07	0.13	0.17
	Low		kW	0.02	0.03	0.02	0.0	03	0.0	04	0.05	0.09	0.11	0.02	0.03	0.02	0.0	03	0.	04	0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxLengt	h mm	564	x774x	226	564x98	34x226	564x	(1,190	x226	564x1,4	00x251	564	x774x	226	564x98	84x226	564	<1,190	x226	564x1,4	00x251
Weight	Unit		19	9.7	20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6	19	9.7	20.6	25.5	26.7	31.0	30.4	32.3	41.4	41.6	
Casing	Colour											Wh	ite - I	RAL9	010								
Air filter	Type											Poly	prop	ylene	net								
Fan	Type			Centrifugal																			
	Quantity				1					2					1		2						
	Air flow	High	m³/h	319	34	14	44	12	640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
	rate	Medium	m³/h	233	2	71	34	<b>1</b> 1	450	497	605	771	1,022	225	26	51	334	332	444	490	593	765	1,007
		Low	m³/h	178	2	11	24	<b>1</b> 1	320	361	470	570	642	174	20	)5	238	237	316	356	460	565	636
Total sound power	High		dBA	47.0	49.0	50.0	48	.0	52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
level	Medium		dBA	42.0	44	1.0	43.0	42.0	43	3.0	49.0	54.0	60.0	39.0	44	1.0	43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low		dBA	37.0	38.0	40.0	35.0	36.0	35	.0	43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure	High		dBA	42.0	44.0	45.0	43	.0	47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
level	Medium		dBA	37.0	39	9.0	38.0	37.0	38	3.0	44.0	49.0	55.0	34.0	39	0.0	38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low		dBA	32.0	33.0	35.0	30.0	31.0	30	0.0	38.0	42.0	44.0	28.0	33	3.0	29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	Power inp	ut (Optional)	kW	1.0	1.	.5	1.0	6		2.0		3.	.0	1.0	1.	5	1.	6		2.0		3.	.0
Piping connections	Drain	OD	mm	nm 16																			
Power supply	Phase/Fre	quency/Voltage	Hz/V										1~/50	)/230									
Control systems	Wired rem	ote control	FWEC1A / FWEC2A / FWEC3A / FWECSA / ECFWMB6 / FWTOUCH / FWEC2T / FWEC4T																				

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue

# Flexi type unit

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- > For wall or ceiling mounted installation: ideal solution for spaces with no false ceilings
- > Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- > Instant adjustment to temperature and relative humidity changes
- > Low operating sound level
- > Highly flexible solutions: multiple sizes, piping topologies and connection valves
- > Requires very little installation space



More details and final information can be found by scanning or clicking the QR codes.



FWR-AT



FWR-AF

Cololing capacity (standard conditions)	Indoor unit		FWR-AT/AF	02	03	06	08	02	03	06	08	
Garbative Conditions of Condition						2-p	ipe			4-p	ipe	
Conditions    Conditions			High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
Note   Continue		capacity	Medium	kW	1.69	2.37	3.64	6.20	1.55	2.32	3.79	6.12
Part	conditions)		Low	kW	1.35	1.75	2.99	4.10	1.25	1.72	3.10	4.06
Note   Note			High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
Heating capating (standard (stand		capacity	Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
Standard conditions   Medium			Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
No		High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
Nower input   High		Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
Medium	conditions)	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
FCEER	Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
FCEER		Medium		kW	0	.01	0.02	0.038	0.	.01	0.02	0.038
FCCOP		Low		kW		0.01		0.013		0.01		0.013
Dimensions   Unit   HeightxWidthxLength   mm   564x74x246   564x794x246   564x1,90x246   564x	FCEER				В		Α		В		A	В
Weight         Unit         kg         21.2         27.5         33.6         43.1         21.2         27.5         33.6         43.1           Casing         Colour         White - RAL9010           Air filter         Type         Centrifugal           Cantifugal           Quantity         1         2         1         2           Air flow Air flow Farle         Medium         m³/h         344         442         785         1,393         327         431         763         1,362           rate         Medium         m³/h         344         442         785         1,393         327         431         763         1,362           Total sound power High         High         dBA         50.0         48.0         56.0         67.0         50.0         47.0         58.0         66.0           level         Medium         dBA         44.0         42.0         49.0         60.0         44.0         41.0         53.0         58.0           Sound pressure High         dBA         45.0         43.0         51.0         62.0         45.0	FCCOP				В		Α		В		A	В
Casing   Colour   Follows   Colour   Contribution   Contribution   Colour   Contribution   Colour   Contribution   Colour   Contribution   Colour   Contribution   Colour   Contribution   Colour   Contribution   Colour   Contribution   Colour	Dimensions	Unit	HeightxWidthxLength	mm	564x774x246	564x984x246	564x1,190x246	564x1,404x271	564x774x246	564x984x246	564x1,190x246	564x1,404x271
Air filter Type	Weight	Unit		kg	21.2	27.5	33.6	43.1	21.2	27.5	33.6	43.1
Fan Type Centrifugal  Quantity 1 2 1 2  Air flow Itigh Medium M³/h 344 442 785 1,393 327 431 763 1,362 734	Casing	Colour						White - I	RAL9010			
Quantity	Air filter	Туре						Polyprop	ylene net			
Air flow rate   High   Medium   M³/h   344   442   785   1,393   327   431   763   1,362   1,007   1,0	Fan	Туре						Centr	ifugal			
Medium		Quantity			1		2		1		2	
Necturin			High		344	442	785	1,393	327	431	763	1,362
Total sound power   High		rate	Medium		271	341	605	1,022	261	332	593	1,007
level         Medium         dBA         44.0         42.0         49.0         60.0         44.0         41.0         53.0         58.0           Sound pressure level         High         dBA         45.0         43.0         51.0         62.0         45.0         42.0         54.0         61.0           Level         Medium         dBA         39.0         37.0         44.0         55.0         39.0         36.0         48.0         53.0           Low         dBA         35.0         31.0         38.0         44.0         33.0         28.0         43.0           Electric heater         Power input (Optional)         kW         1.5         1.6         2.0         -         1.5         1.6         2.0         -           Power supply         Phase/Frequency/Voltage         Hz/V         16			Low	m³/h	211	241	470	642	205	237	460	636
Note		High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
Sound pressure level         High Medium         dBA         45.0         43.0         51.0         62.0         45.0         42.0         54.0         61.0           Low         dBA         39.0         37.0         44.0         55.0         39.0         36.0         48.0         53.0           Electric heater         Power input (Optional)         kW         1.5         1.6         2.0         -         1.5         1.6         2.0         -           Piping connections         Drain         OD         mm         16         1~/50/230         1~/50/230	level	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
level         Medium         dBA         39.0         37.0         44.0         55.0         39.0         36.0         48.0         53.0           Low         dBA         35.0         31.0         38.0         44.0         33.0         28.0         43.0           Electric heater         Power input (Optional)         kW         1.5         1.6         2.0         -         1.5         1.6         2.0         -           Piping connections Drain         OD         mm         16         1~/50/230         1~/50/230		Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	4	8.0
Low   Low		High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
Electric heater         Power input (Optional)         kW         1.5         1.6         2.0         -         1.5         1.6         2.0         -           Piping connections Drain         OD         mm         16         16         1-/50/230         1-/50	level	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
Piping connections Drain OD mm 16 Power supply Phase/Frequency/Voltage Hz/V 1~/50/230		Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	4	3.0
Power supply Phase/Frequency/Voltage Hz/V 1~/50/230	Electric heater	Power inp	out (Optional)	kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
	Piping connections	Drain	OD	mm				1	6			
Control systems Wired remote control FWEC3A / FWECSA / FWTOUCH / FWEC10	Power supply	Phase/Fre	quency/Voltage	Hz/V				1~/50	)/230			
	Control systems	Wired ren	note control				FWEC3	A / FWECSA /	FWTOUCH/	FWEC10		

# Flexi type unit

#### AC fan motor unit for horizontal or vertical mounting

- > Quick fixing system for wall or ceiling mounted installation
- > Pre-assembled 3-way/4-port on/off valves are available
- > Valve packages are insulated, no extra drain pan required
- > Valve packages contain balancing valves and sensor pocket
- > Fast-on connections for electrical options: no tools needed
- > The air filter can easily be removed for cleaning
- > Electric heater: no relay up to 2kW capacity
- > Electric heater: equipped with two overheat cut-out thermostats



More details and final information can be found by scanning or clicking the QR codes.



FWL-DAT



FWL-DAF

Indoor unit		F 0	1 1:	5 02	2 25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10	
							2-p	ipe						4-pipe								
Cooling capacity	Total	High kV	V 1.5	0 1.6	59 1.9	1 2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
(standard	capacity	Medium kV	V 1.2	1.4	1.6	6 1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
conditions)		Low kV	V 1.0	2 1.2	24 1.3	4 1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible	High kV	V   1.1	6 1.2	25 1.3	7 1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
	capacity	Medium kV	V 0.9	1.1	0 1.2	0 1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low kV	V 0.7	7 0.9	93 0.9	8 1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity	High	kV	V   1.8	2 1.8	34 2.1	5 2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.7	76	2.53	2.68	4.20	3.82	4.64	6.97	7.35
(standard	Medium	kV	V   1.4	8 1.7	72 1.8	1 2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.5	56	2.18	2.31	3.47	3.22	4.07	6.02	6.29
conditions)	Low	kV	V   1.2	1 1.4	15 1.5	0 1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.3	36	1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High	kV	V 0.0	37	0.053	0.05	0.056	0.065	0.0	98	0.182	0.244	0.037	0.0	)53	0.057	0.056	0.065	0.0	98	0.182	0.244
	Medium	kV	v   o.c	0.03 0.0		0.04		0.05	0.06	0.07	0.13	0.17	0.03		0.	04		0.05	0.06	0.07	0.13	0.17
	Low	kV	V 0.C	0.0	0.0	2 (	.03	0.	04	0.05	0.09	0.11	0.02	0.03	0.02	0.	03	0.	04	0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxLength mn	n   56	54x77	4x246	564x	984x246	564	x1,190	x246	564x1,4	100x271	271 564x774x246			564x9	84x246	564>	(1,190	x246	564x1,4	400x271
Weight	Unit	k	g	20.6 21.2 26.5 27.5 32.5 33.5 33.6							43	3.1	20	0.6	26.5	27.5	32.5	33.5	33.6	43	3.1	
Casing	Colour										Wł	nite -	RAL9	010								
Air filter	Type										Poly	prop	ylene	e net								
Fan	Type			Centrifugal																		
	Quantity			1					2					1					2			
	Air flow	High m <sup>3</sup> /	n 31	9	344	4	142	640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
	rate	Medium m <sup>3</sup> /	n 23	3	271		341	450	497	605	771	1,022	225	26	61	334	332	444	490	593	765	1,007
		Low m <sup>3</sup> /	h 17	8	211		241	320	361	470	570	642	174	20	05	238	237	316	356	460	565	636
Total sound power	High	dBa	4   47.	0 49	.0 50	.0 4	8.0	52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
level	Medium	dBa	4 42.	.0	44.0	43.0	42.0	43	3.0	49.0	54.0	60.0	39.0	44	1.0	43.0	41.0	45.0	46.0	53.0	54.0	58.0
	Low	dBa	A 37.	0 38	.0 40	0 35.0	36.0	35	5.0	43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure	High	dBa	4 42.	.0 44	.0 45	0 4	3.0	47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
level	Medium	dium dBA		0	39.0	38.0	37.0	38	3.0	44.0	49.0	55.0	34.0	39	9.0	38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low dB/			.0 33	.0 35.	0 30.0	31.0	30	0.0	38.0	42.0	44.0	28.0	33	3.0	29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater	ric heater Power input (Optional) kV						1.6		2.0		3.	.0	1.0	1.	.5	1.	.6		2.0		3	.0
Piping connections	Drain	OD mn																				
Power supply	Phase/Fre	quency/Voltage Hz/	/									1~/50	0/230									
Control systems	Wired rem	note control			FW	EC1A /	FWEC	2A / I	FWEC	3A / F	WEC	SA/E	CFW	MB6/	/ FWT	OUCI	H/FV	VEC2	T/FW	/EC41	-	

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue  $\,$ 

# Concealed flexi type unit

BLDC fan motor unit for horizontal or vertical concealed mounting. Continuous air flow regulation and fan speed modulation

- > Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- > Instant adjustment to temperature and relative humidity changes
- > Low operating sound level
- > Highly flexible solutions: multiple sizes, piping topologies and connection valves
- > Available static pressure up to 50Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.



FWS-AT



FWS-A

Indoor unit		FV	VS-AT/AF	02	03	06	08	02	03	06	08
					2-p	ipe			4-p	oipe	
Cooling capacity	Total	High	kW	1.94	2.91	4.48	7.93	1.77	2.86	4.64	7.79
(standard	capacity	Medium	kW	1.69	2.37	3.64	6.2	1.55	2.32	3.79	6.12
conditions)		Low	kW	1.35	1.75	2.99	4.1	1.25	1.72	3.10	4.06
	Sensible	High	kW	1.49	2.09	3.62	5.87	1.44	2.06	3.54	5.76
	capacity	Medium	kW	1.30	1.69	2.90	4.59	1.21	1.65	2.85	4.54
		Low	kW	1.04	1.25	2.31	3.04	0.97	1.23	2.27	3.01
Heating capacity	High		kW	2.15	2.94	4.88	8.37	1.76	2.68	4.64	7.35
(standard	Medium		kW	1.81	2.37	4.11	6.53	1.56	2.31	4.07	6.29
conditions)	Low		kW	1.50	1.76	3.36	4.39	1.36	1.88	3.55	4.85
Power input	High		kW	0.019	0.016	0.033	0.087	0.019	0.016	0.033	0.087
	Medium		kW	0.	.01	0.02	0.038	0.	01	0.02	0.038
	Low		kW		0.01		0.013		0.01		0.013
FCEER				В		Α		В		A	В
FCCOP				В		Α		В		A	В
Dimensions	Unit	HeightxWidthxLength	mm	535x584x224	535x794x224	535x1,000x224	535x1,214x249	535x584x224	535x794x224	535x1,000x224	535x1,214x249
Weight	Unit		kg	16.9	22.1	26.6	35.4	16.9	22.1	26.6	35.4
Air filter	Туре						Polyprop	ylene net			
Fan	Туре						Centr	ifugal			
	Quantity			1		2		1		2	
	Air flow	High	m³/h	344	442	785	1,393	327	431	763	1,362
	rate	Medium	m³/h	271	341	605	1,022	261	332	593	1,007
		Low	m³/h	211	241	470	642	205	237	460	636
Total sound power	High		dBA	50.0	48.0	56.0	67.0	50.0	47.0	58.0	66.0
level	Medium		dBA	44.0	42.0	49.0	60.0	44.0	41.0	53.0	58.0
	Low		dBA	40.0	36.0	43.0	49.0	38.0	33.0	48	3.0
Sound pressure	High		dBA	45.0	43.0	51.0	62.0	45.0	42.0	54.0	61.0
level	Medium		dBA	39.0	37.0	44.0	55.0	39.0	36.0	48.0	53.0
	Low		dBA	35.0	31.0	38.0	44.0	33.0	28.0	43	3.0
Electric heater	Power inp	ut (Optional)	kW	1.5	1.6	2.0	-	1.5	1.6	2.0	-
Piping connections	Drain	OD	mm				1	6			
Power supply	Phase/Fre	quency/Voltage	Hz/V				1~/50	)/230			
Control systems	Wired ren	note control				FWEC3.	A / FWECSA /	FWTOUCH/	FWEC10		

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue  $\,$ 

# Concealed flexi type unit

# AC fan motor unit for horizontal or vertical concealed mounting

- > Quick fixing system for wall or ceiling mounted installation
- > Pre-assembled 3-way/4-port on/off valves are available
- > Valve packages are insulated, no extra drain pan required
- > Valve packages contain balancing valves and sensor pocket
- > Fast-on connections for electrical options: no tools needed
- > The air filter can easily be removed for cleaning
- > Electric heater: no relay up to 2kW capacity
- > Electric heater: equipped with two overheat cut-out thermostats
- > Available static pressure up to 50Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.



FWM-DAT



FWM-DAF

Indoor unit		FWM-DAT/DA	FC	01	15	02	25	03	35	04	06	08	10	01	15	02	25	03	35	04	06	08	10
								2-р	ipe									4-p	ipe				
Cooling capacity	Total	High kV	V 1.:	50	1.69	1.91	2.36	2.87	3.45	4.23	4.41	6.53	7.78	1.42	1.64	1.74	2.32	2.81	3.36	4.16	4.57	6.46	7.64
(standard	capacity	Medium kV	V   1.	21	1.48	1.66	1.99	2.34	2.58	3.21	3.59	5.14	6.07	1.11	1.44	1.52	1.96	2.29	2.54	3.17	3.74	5.10	5.99
conditions)		Low kV	V   1.0	02	1.24	1.34	1.57	1.73	1.94	2.47	2.95	3.88	4.00	0.97	1.22	1.24	1.55	1.70	1.92	2.44	3.06	3.84	3.96
	Sensible	High kV	V   1.	16	1.25	1.37	1.82	2.05	2.69	3.05	3.55	4.73	5.72	1.10	1.22	1.41	1.79	2.01	2.61	2.99	3.47	4.67	5.61
	capacity	Medium kV	V 0.	94	1.10	1.20	1.53	1.66	1.99	2.39	2.85	3.70	4.46	0.87	1.07	1.18	1.50	1.62	1.96	2.36	2.80	3.67	4.40
		Low kV	V   0.	.77	0.93	0.98	1.15	1.23	1.41	1.76	2.27	2.75	2.94	0.73	0.91	0.96	1.14	1.21	1.40	1.74	2.23	2.73	2.91
Heating capacity	High	kV	V 1.	82	1.84	2.15	2.70	2.94	4.05	4.24	4.98	6.49	8.37	1.66	1.7	76	2.53	2.68	4.20	3.82	4.64	6.97	7.35
(standard	Medium	k٧	/1.4	48	1.72	1.81	2.26	2.37	3.13	3.24	4.08	5.17	6.53	1.49	1.5	6	2.18	2.31	3.47	3.22	4.07	6.02	6.29
conditions)	Low	k٧	V   1.	.21	1.45	1.50	1.74	1.76	2.39	2.47	3.31	3.97	4.39	1.31	1.3	36	1.78	1.88	2.82	2.73	3.55	5.02	4.85
Power input	High	k٧	V 0.0	037	0.0	53	0.057	0.056	0.065	0.0	98	0.182	0.244	0.037	0.0	53	0.057	0.056	0.065	0.0	98	0.182	0.244
	Medium	kV	V 0.	.03		0.	04		0.05	0.06	0.07	0.13	0.17	0.03		0.	04		0.05	0.06	0.07	0.13	0.17
	Low	k۷	V   0.	.02	0.03	0.02	0.	03	0.0	04	0.05	0.09	0.11	0.02	0.03	0.02	0.	03	0.	04	0.05	0.09	0.11
Dimensions	Unit	HeightxWidthxLength mr	n 5	35x	(584x	224	535x79	94x224	535x	1,000	x224	535x1,2	10x249	535	x584x	224	535x79	94x224	535x	1,000	x224	535x1,2	10x249
Weight	Unit	k	g	16.	.5	16.9	21.4	22.1	26.3	26.4	26.6	35	5.4	16	.5	16.9	21.4	22.1	26.3	26.4	26.6	35	.4
Air filter	Type											Poly	prop	ylene	net								
Fan	Type												Centr	ifuga	I								
	Quantity		┸		1					2					1					2			
	Air flow	High m <sup>3</sup> /		19	34	14	4	42	640	706	785	1,011	1,393	307	330	327	432	431	628	690	763	998	1,362
	rate	Medium m <sup>3</sup> /	_	33	27	71	3	41	450	497	605	771	1,022	225	26	51	334	332	444	490	593	765	1,007
		Low m <sup>3</sup> /	h 17	78	2	11	2	41	320	361	470	570	642	174	20	)5	238	237	316	356	460	565	636
Total sound power	High	dB	4 47	7.0	49.0	50.0	48	3.0	52.0	53.0	56.0	61.0	67.0	45.0	49.0	50.0	48.0	47.0	53.0	56.0	58.0	60.0	66.0
level	Medium	dB	4 42		44			42.0	43	3.0		54.0			44						53.0		
	Low	dB	4 37	7.0	38.0	40.0	35.0	36.0	35	.0	43.0	47.0	49.0	33.0	40.0	38.0	34.0	33.0	36.0	39.0	48.0	46.0	48.0
Sound pressure	High	dB	4 42	2.0	44.0	45.0	_	3.0	47.0	48.0	51.0	56.0	62.0	40.0	44.0	45.0	43.0	42.0	46.0	51.0	54.0	55.0	61.0
level	Medium	dB	4 37	7.0	39	.0	38.0	37.0	38	3.0	44.0	49.0	55.0	34.0	39	.0	38.0	36.0	38.0	41.0	48.0	49.0	53.0
	Low	dB	4 32	2.0	33.0	35.0	30.0	31.0	30	0.0	38.0	42.0	44.0	28.0	33	.0	29.0	28.0	29.0	32.0	43.0	41.0	43.0
Electric heater		out (Optional) kV	V 1.	.0	1.	5	1.	.6		2.0		3.	.0	1.0	1.	5	1.	.6		2.0		3.	0
Piping connections	Drain	OD mr	_										1										
Power supply		quency/Voltage Hz/	۷										1~/50										
Control systems	Wired rem	note control					FWE	C1A /	FWE	C2A /	FWE	C3A /	FWEC	SA /	FWTC	DUCH	I / FW	EC2T	/FW	EC4T			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue  $\frac{1}{2} \left( \frac{1}{2} \right) \left( \frac{1}{2}$ 

# Concealed flexi type unit with low ESP

# AC fan motor unit for horizontal or vertical concealed mounting

- > Low unit casing height of 200mm
- > Sirocco Fan leading to low noise operation
- > Open control
- > Factory mounted valve combinations
- > Increased flexibility of capacity setting in the field
- > The air filter can easily be removed for cleaning



More details and final information can be found by scanning or clicking the QR codes.





FWF-DI

Indoor unit			FWE-DT/FWE-DF	03	04	05	06	07	08	10	11	03	04	05	06	07	08	10	1
							2-р	ipe							4-р	ipe			
Cooling capacity	Total	High	kW	1.94	2.06		3.12	3.43	3.92	5.22	5.6	1.94	2.06	_	3.12	3.42	3.92		5
standard	capacity	Medium	kW	1.6	1.64	2	2.4	2.79	3.66	4.19	4.41	1.6	1.64	2	2.4	2.79	3.66	4.19	4
conditions)		Low	kW	1.22	1.4	1.64	2.01	2.41	2.77	3.1	3.39	1.22	1.4	1.64	2.01	2.42	2.77	3.1	3.
		Fan speed 1	kW	1.22	1.21	1.33	1.24	2.07	2.38	2.57	2.81	1.22	1.21	1.33	1.24	2.07	3.22	2.57	2
	Sensible	High	kW	1.59	1.69	2.11	2.56	2.81	3.22	4.28	4.59	1.59	1.69	2.11	2.56	2.81	3.22	4.28	4
	capacity	Medium	kW	1.31	1.34	1.64	1.97	2.28	3	3.44	3.61	1.31	1.34	1.64	1.97	2.28	3	3.44	3
		Low	kW	1	1.15	1.35	1.64	1.98	2.27	2.54	2.78	1	1.15	1.35	1.64	1.98	2.27	2.54	2
		Fan speed 1	kW	1	0.99	1.09	1.02	1.7	1.95	2.11	2.3	1	0.99	1.09	1.02	1.7	1.95	2.11	1
	Latent	High	kW	0.35	0.37	0.46	0.56	0.62	0.71	0.94	1.01	0.35	0.37	0.46	0.56	0.62	0.71	0.94	1
	capacity	Medium	kW	0.32	0.34	0.43	0.49	0.58	0.66	0.86	0.92	0.32	0.34	0.43	0.49	0.58	0.66	0.86	0
leating capacity	Capacity	High	kW	2	2.38	2.89	4	4.37	4.64	5.98	6.35	2.11	2.61	2.94	3.84	4.		5.83	6
standard conditions)		Medium	kW	1.69	1.99	2.32	3.36	3.6	4.39	4.96	5.17	1.81	2.37	2.58	3.09		4.34		5
.onaitions)		Low	kW	1.34	1.78	1.98	2.94	3.15	3.56	3.89	4.17	1.47	2.23	2.36	2.69	3.		3.87	4
		Fan speed 1	kW	1.34	1.6	1.68	2.13	2.74	3.2	3.37	3.6	1.47	2.11	2.16	1.91		22	3.39	3
ower input	High		kW	0.03	0.03	0.04	0.06		07	0.10	0.11	0.03	0.03	0.04	0.06	0.0	07	0.10	(
	Medium		kW		0.03		0.	05		0.06			0.03		0.0	)5		0.06	_
	Low		kW	_	0.03				0.04				0.03				0.04		
	Fan speed		kW		0.03		0.04		0.	.03			0.03		0.04		0.	03	
Dimensions	Unit	Height	mm								20	00							
		Width	mm		795		995		1,2	200			795		995		1,2	200	
		Depth	mm									10							
	Packed	Height	mm								20	05							
	unit	Width	mm		925		1,125		1,3	325			925		1,125		1,3	325	
		Depth	mm								74	45							
Neight	Unit		kg	17.5		3.5	22			5.5		18		9	22.5			26	
	Packed ur	nit	kg	20	2	21	25		2	29		21	2	22	26		3	0	_
Casing	Colour											etal							
	Material											sheet							
Air filter	Туре								Pla	astic Fr			er Net (	(G1)					_
an	Type										Siroc	co fan							
	Quantity		2 .		2		3			4			2		3			4	_
	Air flow	High	m³/h	407	385	488	677		25	1,032	1,116	407	385	488	677	72		1,032	
	rate	Medium	m³/h	326	306	374	527	570		798	846	326	306	374	527		669	798	8
		Low	m³/h	235	263	304	446		81	555	619	235	263	304	446	48		555	6
		Fan speed 1	m³/h	235	227	243	290		97	436	489	235	227	243	290	39	97	436	4
Total sound power			dBA	45	44			0		57	59	45	44		_	0		57	
evel	Medium		dBA	39	38	41	44	42	46	51	52	39	38	41	44	42	46	51	ļ.,
	Low		dBA	33	34	37	39	3	4	43	44	33	34	37	39	3	4	43	
	Fan speed	1	dBA		33		30	3		38	40		33		30	3		38	4
Nater flow	Cooling	High	I/h	334	354	443	536	589	674	897	962	334	354	443	536	589	674	897	9
		Medium	I/h	275	282	343	412	479	630	720	757	275	282	343	412	479	630	720	7
		Low	l/h	210	241	282	345	415	477	534	583	210	241	282	345	415	477	534	5
		Fan speed 1	l/h	210	209	228	213	354	409	442	483	210	209	228	213	354	409	442	4
	Heating	High	l/h	344	409	496	689	751	797	1,029	1,092	182	225	253	330	39	93	502	
		Medium	l/h	290	343	400	577	618	755	852	888	156	203	222	266	338	374	419	4
		Low	l/h	230	306	341	505	542	613	669	717	126	192	203	231	30	07	333	3
		Fan speed 1	I/h	126	182	186	164	27	77	291	310	230	275	289	366	471	550	579	6
iping connections	Drain	OD	mm									7.3						•	
Power supply		quency/Voltage	Hz/V								1~/50								
Current input	High	, .,	Α	0.	01	0.02	0.03	0.	02	0.04	0.05		01	0.02	0.03	0.0	02	0.04	0
	Medium		A		01			0.02			0.04	,	0.01				02		0
				_															-
	Low		Α	0.	OT .		0.0	02		0.01	0.03		0.01			0.02		0.01	C

 $Heating: indoor temp.\ 20^{\circ}CDB,\ 15^{\circ}CWB; entering\ water temperature\ drop\ 10K.\ |\ Heating: indoor\ temp.\ 20^{\circ}CDB,\ 15^{\circ}CWB; entering\ water temperature\ drop\ 5K.\ |\ Inlet/outlet\ water\ temperature\ 27^{\circ}C\ DB\ 19^{\circ}C\ WB$ 

# Concealed ceiling unit with low ESP

#### AC fan motor unit for horizontal concealed mounting

- > Easy installation and maintenance
- > 4-speed fan motor
- > Wired electronic controllers range
- > Available static pressure up to 80Pa
- > Wide operating range
- > Standard left and right side water connection
- > Additional drain pan as standard
- > G2 plastic frame filter
- > Open protocol control
- > Factory mounted valve available as option
- > Reduced sound noise thanks to the thinner heat exchanger

Indoor Unit			F	WE-FF	04FF	05FF	06FF	08FF	10FF	12FF	14FF	16FF	20FF	24FF
Cooling capacity	Total	High		kW	2.01 (1)	2.40 (1)	3.40 (1)	4.20 (1)	4.69 (1)	5.39 (1)	6.97 (1)	7.98 (1)	10.00 (1)	11.30 (1)
(standard	capacity	Medium		kW	1.69 (1)	1.99 (1)	3.04 (1)	3.31 (1)	4.18 (1)	4.84 (1)	6.60 (1)	7.19 (1)	8.51 (1)	10.13 (1)
conditions)	4-pipe	Low		kW	1.37 (1)	1.61 (1)	2.29 (1)	2.19 (1)	3.28 (1)	3.35 (1)	5.77 (1)	5.81 (1)	6.79 (1)	7.51 (1)
		Fan spee	d 1	kW	0.90 (1)	1.10 (1)	1.76 (1)	1.30 (1)	2.21 (1)	2.25 (1)	4.79 (1)	5.03 (1)	5.50 (1)	6.09 (1)
	Sensible	High		kW	1.56 (1)	1.93 (1)	2.74 (1)	3.28 (1)	3.71 (1)	4.27 (1)	5.63 (1)	6.63 (1)	8.28 (1)	9.47 (1)
	capacity	Medium		kW	1.29 (1)	1.57 (1)	2.43 (1)	2.48 (1)	3.24 (1)	3.79 (1)	5.10 (1)	5.85 (1)	6.88 (1)	8.47 (1)
	4-pipe	Low		kW	1.02 (1)	1.21 (1)	1.83 (1)	1.62 (1)	2.54 (1)	2.58 (1)	4.24 (1)	4.35 (1)	5.28 (1)	5.91 (1)
		Fan spee	d 1	kW	0.67 (1)	0.81 (1)	1.37 (1)	0.95 (1)	1.65 (1)	1.69 (1)	3.51 (1)	3.72 (1)	4.17 (1)	4.67 (1)
	Latent capacity 4-pipe	High		kW	0.45 (1)	0.47 (1)	0.66 (1)	0.92 (1)	0.99 (1)	1.12 (1)	1.34 (1)	1.35 (1)	1.72 (1)	1.82 (1)
Heating capacity	Capacity	High		kW	2.38 (2)	2.45 (2)	3.23 (2)	4.80 (2)	5.20 (2)	6.45 (2)	6.75 (2)	7.60 (2)	9.60 (2)	11.10 (2)
(standard	4-pipe	Medium		kW	2.00 (2)	2.06 (2)	2.90 (2)	3.79 (2)	4.43 (2)	5.47 (2)	6.15 (2)	6.75 (2)	7.94 (2)	10.00 (2)
conditions)		Low		kW	1.66 (2)	1.72 (2)	2.21 (2)	2.65 (2)	3.33 (2)	3.50 (2)	4.93		5.84 (2)	6.98 (2)
		Fan spee	d 1	kW	1.21 (2)	1.25 (2)	1.72 (2)	1.82 (2)	2.27 (2)	2.38 (2)	3.65		4.14 (2)	4.97 (2)
Power input	High			kW	0.05	4 (3)	0.076 (3)	0.094 (3)	0.109 (3)	0.122 (3)	0.170 (3)	0.189 (3)	0.176 (3)	0.224 (3)
	Medium			kW	0.0	4 (3)	0.06 (3)	0.07 (3)	0.08	. ,	0.14	. ,	0.13 (3)	0.15 (3)
	Low			kW	0.0	4 (3)	0.05 (3)	0.06 (3)	0.07		0.12	2 (3)	0.11 (3)	0.13 (3)
Casing	Colour								Me					
Decoration panel	Dimension:	Unit	HeightxWidthxDepth	mm	2	53x728x57	0		3x1,087x5		253x1,3	62x570	253x1,6	577x570
Fan	Туре								ugal (Blade					
	Air flow	High		m³/h	465	• •	638 (3)	854 (3)	931 (3)	1,082 (3)	1,467 (3)	1,692 (3)	1,707 (3)	1,990 (3)
	rate	Medium		m³/h	379		555 (3)	668 (3)	805 (3)	931 (3)	1,314 (3)	1,467 (3)	1,382 (3)	1,751 (3)
		Low		m³/h	307	. ,	400 (3)	467 (3)	620	· ,	1,02		1,001 (3)	1,184 (3)
		Fan spee	d 1	m³/h	216		301 (3)	325 (3)	436		730	(3)	714 (3)	855 (3)
Total sound power				dBA	49.0 (4)	50.0 (4)	59.0 (4)	55.0 (4)	57.0 (4)		) (4)	64.0 (4)	59.0 (4)	64.0 (4)
level	Medium			dBA		) (4)	56.0 (4)	49.0 (4)	54.0 (4)	58.0	0 (4)	61.0 (4)	54.0 (4)	61.0 (4)
	Low			dBA	40.0	0 (4)	48.0 (4)	41.0 (4)	49.0	) (4)	52.0		48.0 (4)	51.0 (4)
	Fan speed	d 1		dBA	32.0 (4)	33.0 (4)	41.0 (4)	35.0 (4)	43.0	(4)	45.0	0 (4)	43.0 (4)	44.0 (4)
Sound pressure	High			dBA	38.0 (5)	39.0 (5)	48.0 (5)	44.0 (5)	46.0 (5)		0 (5)	53.0 (5)	48.0 (5)	53.0 (5)
level	Medium			dBA		) (5)	45.0 (5)	38.0 (5)	43.0 (5)		0 (5)	50.0 (5)	43.0 (5)	50.0 (5)
	Low			dBA		) (5)	37.0 (5)	30.0 (5)	38.0		41.0		37.0 (5)	40.0 (5)
	Fan speed	d 1		dBA	21.0 (5)	22.0 (5)	30.0 (5)	24.0 (5)	32.0		34.0		32.0 (5)	33.0 (5)
Water flow	Cooling	High		l/h	346 (1)	413 (1)	585 (1)	722 (1)	807 (1)	927 (1)	1,198 (1)	1,372 (1)	1,719 (1)	1,943 (1)
		Medium		l/h	291 (1)	342 (1)	522 (1)	569 (1)	718 (1)	832 (1)	1,135 (1)	1,237 (1)	1,464 (1)	1,742 (1)
		Low		l/h	236 (1)	277 (1)	394 (1)	377 (1)	563 (1)	576 (1)	992 (1)	998 (1)	1,168 (1)	1,292 (1)
		Fan spee	d 1	l/h	155 (1)	189 (1)	303 (1)	224 (1)	380 (1)	388 (1)	823 (1)	865 (1)	947 (1)	1,047 (1)
	Heating	High		l/h	504 (2)	517 (2)	686 (2)	919 (2)	995 (2)	1,233 (2)	1,277 (2)	1,420 (2)	1,790 (2)	2,073 (2)
Water flow	Heating	Medium		l/h	424 (2)	435 (2)	615 (2)	753 (2)	847 (2)	1,045 (2)	1,171 (2)	1,277 (2)	1,504 (2)	1,890 (2)
		Low		l/h	353 (2)	361 (2)	469 (2)	547 (2)	637 (2)	669 (2)		3 (2)	1,142 (2)	1,344 (2)
		Fan spee		l/h	256 (2)	262 (2)	365 (2)	384 (2)	434 (2)	456 (2)	700	. ,	849 (2)	954 (2)
(1)Inlet/outlet water ten	nnoraturo 7/1	2 °C inlot air	tomporature 27°C DR 10°C	M/D I /ONL	oating: indo	ortomp 20%	TOD 15°C\N/D-	ontoring wa	tor tomp 45°	Cwatertem	noraturo dro	n 5K   (2) Airf	low value m	oacuromonto

(I)Inlet/outlet water temperature 7/12 °C; inlet air temperature 27°C DB 19°C WB | (2)Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K. | (3)Airflow value measurements are performed at 20°C(DB)/15°C(WB) condition. | (4)Sound power level according to ISO3741 | (5)The sound pressure level is measured via a microphone at 1m distance of the unit.



More details and final information can be found by scanning or clicking the QR codes.







🙀 FWE-FF

Indoor Unit			FWE-FT	04FT	05FT	06FT	08FT	10FT	12FT	14FT	16FT	20FT	24FT
Cooling capacity	Total	High	kW	2.10 (1)	2.50 (1)	3.45 (1)	4.40 (1)	4.81 (1)	5.60 (1)	7.06 (1)	8.05 (1)	10.30 (1)	11.50 (1)
(standard	capacity	Medium	kW	1.75 (1)	2.10 (1)	3.13 (1)	3.60 (1)	4.30 (1)	5.06 (1)	6.69 (1)	7.38 (1)	8.84 (1)	10.48 (1)
conditions)	2-pipe	Low	kW	1.40 (1)	1.70 (1)	2.39 (1)	2.40 (1)	3.40 (1)	3.50 (1)	5.90 (1)	5.98 (1)	7.08 (1)	7.90 (1)
		Fan speed 1	kW	0.90 (1)	1.10 (1)	1.81 (1)	1.35 (1)	2.31 (1)	2.32 (1)	4.98 (1)	5.01 (1)	5.72 (1)	6.30 (1)
	Sensible	High	kW	1.68 (1)	2.06 (1)	2.84 (1)	3.38 (1)	3.89 (1)	4.53 (1)	5.81 (1)	6.82 (1)	8.72 (1)	9.86 (1)
	capacity	Medium	kW	1.36 (1)	1.69 (1)	2.53 (1)	2.77 (1)	3.42 (1)	4.09 (1)	5.37 (1)	6.14 (1)	7.31 (1)	8.97 (1)
	2-pipe	Low	kW	1.08 (1)	1.31 (1)	1.92 (1)	1.82 (1)	2.68 (1)	2.76 (1)	4.56 (1)	4.68 (1)	5.64 (1)	6.37 (1)
		Fan speed 1	kW	0.69 (1)	0.83 (1)	1.44 (1)	1.01 (1)	1.77 (1)	1.78 (1)	3.75 (1)	3.82 (1)	4.44 (1)	4.95 (1)
	Latent capacity 2-pipe	High	kW	0.42 (1)	0.44 (1)	0.61 (1)	1.02 (1)	0.92 (1)	1.07 (1)	1.25 (1)	1.22 (1)	1.58 (1)	1.64 (1)
Heating capacity	Capacity	High	kW	2.93 (2)	3.00 (2)	3.99 (2)	5.34 (2)	5.78 (2)	7.17 (2)	7.43 (2)	8.26 (2)	10.41 (2)	12.05 (2)
(standard	2-pipe	Medium	kW	2.47 (2)	2.53 (2)	3.58 (2)	4.38 (2)	4.93 (2)	6.08 (2)	6.81 (2)	7.43 (2)	8.75 (2)	10.99 (2)
conditions)		Low	kW	2.05 (2)	2.10 (2)	2.73 (2)	3.18 (2)	3.70 (2)	3.89 (2)	5.5	1 (2)	6.64 (2)	7.82 (2)
		Fan speed 1	kW	1.49 (2)	1.53 (2)	2.13 (2)	2.23 (2)	2.52 (2)	2.65 (2)	4.0	7 (2)	4.94 (2)	5.55 (2)
Power input	High		kW	0.05	8 (3)	0.082 (3)	0.096 (3)	0.103 (3)	0.115 (3)	0.222 (3)	0.244 (3)	0.191 (3)	0.298 (3)
	Medium		kW	0.0	5 (3)	0.0	6 (3)	0.08	3 (3)	0.17	7 (3)	0.12 (3)	0.21 (3)
	Low		kW	0.0	4 (3)	0.0	5 (3)	0.06	5 (3)	0.14	1 (3)	0.10 (3)	0.17 (3)
Dimensions	Unit	HeightxWidthxDepth	mm	2	253x728x57	0	25	3x1,090x5	70	253x1,3	60x570	253x1,6	80x570
Casing	Colour							Me	etal				
Fan	Туре						Centrif	ugal (Blade	e: Forward	- curve)			
	Air flow	High	m³/h	492	2 (3)	683 (3)	949 (3)	989 (3)	1,155 (3)	1,534 (3)	1,776 (3)	1,812 (3)	2,090 (3)
	rate	Medium	m³/h		3 (3)	592 (3)	734 (3)	850 (3)	989 (3)	1,368 (3)	1,534 (3)	1,455 (3)	1,831 (3)
		Low	m³/h	319	9 (3)	421 (3)	503 (3)	646	5 (3)		2 (3)	1,036 (3)	1,220 (3)
		Fan speed 1	m³/h		3 (3)	312 (3)	338 (3)	444		738	3 (3)	720 (3)	864 (3)
Total sound power	High		dBA	49.0 (4)	50.0 (4)	58.0 (4)	54.0 (4)	57.0 (4)	61.0 (4)	60.0 (4)	64.0 (4)	58.0 (4)	64.0 (4)
level	Medium		dBA		0 (4)	56.0 (4)	48.0 (4)	54.0 (4)	57.0 (4)	58.0 (4)	60.0 (4)	53.0 (4)	60.0 (4)
	Low		dBA	39.0	0 (4)	47.0 (4)	40.0 (4)	48.0	_ ` '	51.0	(4)	47.0 (4)	50.0 (4)
	Fan speed	d 1	dBA		(4)	40.0 (4)	34.0 (4)	42.0			0 (4)	42.0 (4)	43.0 (4)
Sound pressure	High		dBA	38.0 (5)	39.0 (5)	47.0 (5)	43.0 (5)	46.0 (5)	50.0 (5)	49.0 (5)	53.0 (5)	47.0 (5)	53.0 (5)
level	Medium		dBA	33.0 (5)	34.0 (5)	45.0 (5)	37.0 (5)	43.0 (5)	46.0 (5)	47.0 (5)	49.0 (5)	42.0 (5)	49.0 (5)
	Low		dBA		0 (5)	36.0 (5)	29.0 (5)	37.0	(5)		0 (5)	36.0 (5)	39.0 (5)
	Fan speed	d1	dBA	20.0	0 (5)	29.0 (5)	23.0 (5)	31.0	(5)	33.0	) (5)	31.0 (5)	32.0 (5)
Water flow	Cooling	High	l/h	361 (1)	430 (1)	592 (1)	757 (1)	827 (1)	964 (1)	1,213 (1)	1,384 (1)	1,771 (1)	1,978 (1)
		Medium	l/h	301 (1)	361 (1)	538 (1)	618 (1)	740 (1)	870 (1)	1,151 (1)	1,270 (1)	1,519 (1)	1,802 (1)
		Low	l/h	241 (1)	292 (1)	410 (1)	413 (1)	584 (1)	602 (1)	1,014 (1)	1,029 (1)	1,217 (1)	1,359 (1)
		Fan speed 1	l/h	155 (1)	189 (1)	311 (1)	232 (1)	396 (1)	399 (1)	857 (1)	861 (1)	983 (1)	1,083 (1)
	Heating	High	l/h	504 (2)	517 (2)	686 (2)	919 (2)	995 (2)	1,233 (2)	1,277 (2)	1,420 (2)	1,790 (2)	2,073 (2)
Water flow	Heating	Medium	l/h	424 (2)	435 (2)	615 (2)	753 (2)	847 (2)	1,045 (2)	1,171 (2)	1,277 (2)	1,504 (2)	1,890 (2)
		Low	l/h	353 (2)	361 (2)	469 (2)	547 (2)	637 (2)	669 (2)	948	3 (2)	1,142 (2)	1,344 (2)
		Fan speed 1	l/h	256 (2)	262 (2)	365 (2)	384 (2)	434 (2)	456 (2)	700	(2)	849 (2)	954 (2)

(1)Inlet/outlet water temperature 7/12 °C; inlet air temperature 27°C DB 19°C WB | (2)Heating: indoor temp. 20°CDB, 15°CWB; entering water temp. 45°C, water temperature drop 5K. | (3)Airflow value measurements are performed at 20°C(DB)/15°C(WB) condition. | (4)Sound power level according to ISO3741 | (5)The sound pressure level is measured via a microphone at 1m distance of the unit.

# Concealed ceiling unit with medium ESP

BLDC fan motor unit for horizontal concealed mounting. Continuous air flow regulation and fan speed modulation

- Available in District Cooling version for both 2 and 4 pipe applications
- Up to 50% energy savings with brush-less DC motor technology compared to traditional technology
- > Instant adjustment to temperature and relative humidity changes
- > Low operating sound level
- > Highly flexible solutions: multiple sizes, piping topologies and connection valves
- > Heat exchanger up to 4 rows
- > Available static pressure up to 80Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.



FWP-CT



FWP-CF

Indoor unit F	WP-CT/CF		04			05			06			08			10			11			15			17	
													2-р	ipe											
Speed		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Declared speed			2.5.7			1,5,7			1.6.7			1,4,7		1.6.7			1.6.7			5,6,7			5.6.7		
Control voltage (E)	V	2.90	8.00	9.00	4.30		8.40	4.50	7.40	8.30	5.40		9.90	3.40	7.60	8.50	3.40	7.60	8.50		7.50	8.30	6.80	7.50	8.30
Rated air flow (E)	m³/h	109	246	276	171	275	341	195	360	402	_	532	652	_	687	_	333	687	_			_		1,163	
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60
Power input (E)	W	6	25	33	10	24	39	10	26	35	22	51	77	11	54	68	11	54	68	-	128		105		162
Maximum current absorption	A	_	0.32	- 55		0.60			0.84	- 55		0.84		· · ·	0.91	- 00		0.91	- 00	.05	3.52	.02	.05	3.52	.02
Total cooling capacity (1)(E)	kW	0.93	1.76	1 95	1.29		2 34	1.59		3.04	1 98		3 79	2 29	4.34	4 75	2 51		5.35	6 28		738	704		8 28
Sensible cooling capacity (1)(E)	kW		1.25		0.91			1.09	1.91						3.21				3.76						
FCEER class (E)	KVV	0.02	1.23	1.55	0.51	1.57	1.00	1.00	1.71		A.	2.40	2.72	1.07	J.Z1	3.51	1.7 7	J.7J	3.70	7.04	C	3.40	7.50	B	5.04
Water flow (2)	I/h	161	306	340	222	339	408	274	476	527	343	568	664	394	753	828	432	850	030	1004		1 205	1 225	1,332	1 // / 5
Water flow (2) Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	343	8	11	2	733	8	3	10	12	13	16	18	20	23	-
Heating capacity (3)(E)		0.88	_	_	1.33		2.35	-	,	3.10	_			_	4.76		_	-	5.49	_		-	-	_	_
FCCOP class (E)	KVV	0.00	1.21	1.99	1.33	1.90	2.33	1.59	2.00		2.33 A	5./1	4.31	2.54	4./0	3.17	2.03	5.05	5.49	0.00	1.22		_ 7.10 3	7.00	0.40
Water flow (3)	I/h	152	315	346	231	345	408	276	488	538	-	644	749	441	827	898	457	875	955	1160	1 256		_	1,355	1 471
		153			-			_			_	-	_	_					_			-	-		-
Water pressure drop (3)(E)	kPa	1	4	5	2	5	7	2	6	8	4	9	11	2	7	8	3	9	11	12	14	16	17	19	22
Standard coil - number of rows	In ( a )		3			3			4			3			3			4			3			4	
Total sound power level (4)	dB(A)	28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69
Inlet + radiated sound power level (4)(		26	47	50	37	48	52	37	48	52	36	50	56	36	53	56	36	53	56	59	61	67	59	61	67
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	36	47	51	35	49	55	35	52	55	35	52	55	58	60	66	58	60	66
Water content - standard coil	dm <sup>3</sup>		1.20			1.20			2.20			1.60			2.50			3.30			2.50			3.30	
Cross-section area of power cables (5)	mm <sup>2</sup>		1.00			1.00			1.00			1.00			1.00			1.00			1.50			1.50	
			,											ipe											
Speed		min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max	min	med	max
Declared speed			2,5,7			1,5,7			1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7	
Control voltage (E)	V	2.90	7.90	8.90	4.50	7.30	8.90	4.50	7.40	8.30	5.40	8.30	9.90	3.40	7.60	8.50	3.40	7.60	8.50	6.80	7.50	8.30	6.80	7.50	8.30
Rated air flow (E)	m³/h	109	243	270	170	272	336	195	357	398	302	524	642	333	683	755	333	683	755	1,050	1,163	1,289	1,050	1,163	1,289
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	60
Power input (E)	W	6	25	32	10	23	39	10	26	35	21	50	77	11	54	67	11	54	67	105	128	162	105	128	162
Maximum current absorption	Α		0.32			0.60			0.84			0.84			0.91			0.91			3.52			3.52	
Total cooling capacity (1)(E)	kW	0.93	1.74	1.91	1.28	1.93	2.31	1.59	2.72	3.01	1.95	3.22	3.75	2.29	4.32	4.72	2.51	4.88	5.32	6.28	6.81	7.38	7.04	7.64	8.28
Sensible cooling capacity (1)(E)	kW	0.62	1.24	1.36	0.90	1.38	1.64	1.09	1.89	2.09	1.47	2.44	2.89	1.67	3.19	3.48	1.77	3.43	3.74	4.64	5.03	5.46	4.96	5.38	5.84
FCEER class (E)			Α			Α			Α			Α			Α			Α			C			В	
Water flow (2)	l/h	161	302	333	221	335	404	274	473	522	339	562	656	394	749	822	432	846	925	1,094	1,190	1,295	1,225	1,332	1,448
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	26
Heating capacity (3)(E)	kW	1.14	1.93	2.06	1.55	2.07	2.32	2.09	3.09	3.29	2.80	3.82	4.24	_	5.17	5.45	3.40	5.17	5.45	6.42	6.73	7.06		6.73	
FCCOP class (E)			Α			A			Α	,		Α		10110	Α			Α	1 - 1 - 1		C			С	
Water flow (3)	I/h	100		180	136	181	204	183	271	288	245	334	371	297	452	477	297	452	477	562	589	618	562		618
Water pressure drop (3)(E)	kPa	1	2	3	2	3	3	2	3	4	3	5	6	6	13	14	6	13	14	19	21	22	19	21	22
Total sound power level (4)	i i i	28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	69
Standard coil - number of rows	dB(A)	20	3+1	JZ	37	3+1	34	37	4+1	34	30	3+1	50	30	3+1	50	30	4+1	50	Oi	3+1	0,	01	4+1	0)
Inlet + radiated sound power level (4)(	,	26	47	50	37	48	52	37	48	52	36	50	56	36	53	56	36	53	56	59	61	67	59	61	67
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	36	47	51	35	49	55	35	52	55	35	52	55	58	60	66	58	60	66
Water content - standard coil	dm <sup>3</sup>	25	0.47	49	30	0.47	31	30	0.59	31	33	0.59	- 55	33	0.97	- 33	33	0.97	- 55	56	0.97	00	36	0.97	00
		-	1.00			1.00			1.00						1.00			1.00						1.50	
Cross-section area of power cables (	o) mm²		1.00			1.00			1.00			1.00	NIC-	7\ / //	1.00			1.00			1.50			1.50	
Power supply cable type		-	_			-			_				NU	7V-K	_			_			_				
Safety fuse F	A	-	1			1			1			1			1			1			2			2	
Fuses type		_												JG											
Power supply Phase/Frequency	Hz	_												/50	- · · · - ·										
Control systems Wired remote control															OUCH										
(1) Water temperature 7°C / 12°C, air tempera	ature dry bul	b 27°C,	, wet b	ulb 19°	C (47%	relativ	e hun	nidity)	accord	ling to	EN139	7:2015	(2) Wa	ater ter	nperat	ure 7°C	/ 12°C	, air te	mpera	ture dr	y bulb	27°C, v	wet bu	lb 19℃	(47%

(1) Water temperature 2°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) according to EN1397:2015 | (2) Water temperature 2°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) | (3) Water temperature 45°C / 40°C, air temperature 20°C | (4) Sound power measured according to standards ISO 3741 and ISO 3742 | (5) Sound pressure measured at a distance of 4 m in a free field with a directivity factor of 1 | (E) EUROVENT certified data

# Concealed ceiling unit with medium ESP

#### AC fan motor unit for horizontal concealed mounting

- Compact dimensions, can easily be mounted in a narrow ceiling void
- > Heat exchanger up to 4 rows
- > Drain pan to collect the condensate from: heat exchanger and regulating valves -reversible water connections
- > The air filter can easily be removed for cleaning
- > Available static pressure up to 80Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.







FWB-CF

clicking the QR codes.														-		SE SE	1 4 4 5	<i>y</i> C1		<b>1</b> 196	CONTRACTOR	2002	LAAD	CI	
Indoor unit F	WB-CT/CF		04			05			06			08			10			11			15			17	
							1			I			2-р	•								I			
Speed		min		max	min		max	min	med	max	min		max	min		max	min		max	min		max	min		m
Declared speed			2,5,7			1,5,7			1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7	_
Rated air flow (E)	m³/h	109	246	276	171	275	341	195	360	_	305	532	652	_	687	760	333	687	_	1,050	-	-	1,050	-	ı.
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	(
Power input (E)	W	24	57	82	34	69	106	34	85	106	76	143	192	76	167	192	76	167	192	235	280	332	235	280	3
Maximum current absorption	A		0.40			0.56			0.56			1.10			1.10			1.10			2.10			2.10	
Total cooling capacity (1)(E)	kW	0.92	1.72	1.90	1.27	1.90	2.27	1.57	2.69	2.96	1.92	3.17	3.68	2.22	4.22	4.63	2.44	4.79	5.23	6.15	6.66	7.21	6.91	7.49	8
Sensible cooling capacity (1)(E)	kW	0.61	1.21	1.34	0.89	1.34	1.59	1.07	1.86	2.03	1.42	2.39	2.81	1.60	3.09	3.39	1.70	3.33	3.64	4.51	4.88	5.29	4.83	5.23	5
FCEER class (E)						D						E							[	)					
Water flow (1)	l/h	160	306	340	222	339	408	274	476	527	343	568	664	394	753	828	432	850	930	1,095	1,191	1,295	1,225	1,333	1,
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	
Heating capacity (3)(E)	kW	0.88	1.81	1.99	1.33	1.98	2.35	1.59	2.80	3.10	2.35	3.71	4.31	2.54	4.76	5.17	2.63	5.03	5.49	6.68	7.22	7.80	7.18	7.80	8
FCCOP class (E)													[	D											
Water flow (3)	l/h	153	315	346	231	345	408	276	488	538	408	644	749	442	827	898	457	875	955	1,162	1,256	1,357	1,248	1,356	1,
Water pressure drop (3)(E)	kPa	1	4	5	2	5	7	2	6	8	4	9	11	2	7	8	3	9	11	12	14	16	17	20	
Standard coil - number of rows			3			3			4			3			3			4			3			4	
Total sound power level (4)	dB(A)	28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	
Inlet + radiated sound power level (4)(I	) dB(A)	26	47	50	37	48	52	37	48	52	37	50	58	36	53	56	36	53	56	59	61	67	59	61	
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	36	47	51	35	47	56	35	52	55	35	52	55	58	60	66	58	60	(
Water content - standard coil	dm <sup>3</sup>		1.20			1.20			1.60			1.60			2.50			3.30			2.50			3.30	_
Power supply cable type													NO	7V-K											
Cross-section area of power cables (5	) mm²		1.00			1.00			1.00			1.50			1.50			1.50			1.50			1.50	
Safety fuse F	Α		1			1			1			2			2			2			2			2	_
Fuses type													a	ıG											_
Power supply Phase/Frequency	Hz													/50											_
Control systems Wired remote control							FWI	EC1A	/ FWE	C2A /	FWE	C3A /			FWTC	DUCH	/FW	EC2T	/ FWE	C4T					_
													4-p												
Speed		min	med	max	min	med	max	min	med	max	min	med		•	med	max	min	med	max	min	med	max	min	med	m
Declared speed			2,5,7			1,5,7	,		1,6,7			1,4,7			1,6,7			1,6,7			5,6,7			5,6,7	
Rated air flow (E)	m³/h	109	243	270	170	272	336	195	357	398	302	524	642	333		755	333	683	755	1,050		1.289	1,050		1.:
Available static pressure (E)	Pa	10	50	63	19	50	77	19	50	63	17	50	75	12	50	61	12	50	61	40	50	60	40	50	6
Power input (E)	W	24	57	82	34	69	106	34	85	106	76	143	192	76	167	192	76		_	235			-		3
Maximum current absorption	A		0.40	02	31	0.56	100	31	0.56	100	70	1.10	172	70	1.10	172	70	1.10	172	233	2.10	332	233	2.10	
Total cooling capacity (1)(E)	kW	0.92	1.70	1.86	1 26		2.24	1.57	2.67	2 93	1.89		3 64	2.22		4 60	2 44		5 20	615		7 21	6.91		8
Sensible cooling capacity (1)(E)	kW			1.31			_		1.84					1.60											
FCEER class (E)		0.01	1.20	1.51	0.00	D	1.57	1.07	1.0 1	2.01		E	2.70	1.00	3.07	3.30	1.70	3.31		)	1.00	3.23	1.03	3.23	
Water flow (1)	I/h	160	302	333	221	335	404	274	473	522	339	562	656	394	749	822	133	816	_	1.095	1 101	1 205	1 225	1 222	1.
Water pressure drop (2)(E)	kPa	2	5	6	3	6	8	3	7	9	3	8	11	2	7	8	3	10	12	13	16	18	20	23	17
Heating capacity (3)(E)	kW	1.14	_	-	_	_	-	-	3.09	-	-	-		3.40	_	-	_	_	_	_	-	-	-	-	-
FCCOP class (E)	KVV	1.14	1.93	2.00	1.55	D.	2.52	2.09	C	3.23	2.00	D.02	7.27	3.40	3.17	3.43	3.40	3.17		)	0.73	7.00	0.42	0.73	
Water flow (3)	I/h	100	169	180	136	181	204	183	271	288	245	334	371	297	452	477	297	452	477	562	590	618	562	590	6
	kPa	1	2	3	2	3	3	2	3	4	3	5	6	6	13	14	6	13	14	19	21	22	19	21	
Water pressure drop (3)(E) Total sound power level	Kra	28	49	52	39	50	54	39	50	54	38	52	58	38	55	58	38	55	58	61	63	69	61	63	H
· · · · · · · · · · · · · · · · · · ·	dB(A)	20	47	JZ	39	50	24	39	50	54	30	32			رر	50	30	رر	٥٥	UI	03	UF	UI	03	_
Additional coil - number of rows (4)		26	17	50	27	10	E2	27	40	E2	26	50			E2	E 4	26	E.3	E.c	50	61	67	50	61	
Inlet + radiated sound power level (4)(E		26	47	50	37	48	52	37	48	52	36	50	56	36	53	56	36	53	56	59	61	67	59	61	-
Outlet sound power level (4)(E)	dB(A)	25	46	49	36	47	51	37	48	51	35	49	55	35	52	55	35	52	55	58	60	66	58	60	6
Water content - standard coil	dm <sup>3</sup>			0.						0.						uro 7ºC			0.	97 turo de					_

<sup>(1)</sup> Water temperature 7°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) according to EN1397:2015 | (2) Water temperature 7°C / 12°C, air temperature dry bulb 27°C, wet bulb 19°C (47% relative humidity) according to standards ISO 3741 and ISO 3742 | (5) Sound pressure measured at a distance of 4 m in a free field with a directivity factor of 1 | (E) EUROVENT certified data

# Concealed ceiling unit with high ESP

BLDC fan motor unit for horizontal or vertical mounting. Continuous air flow regulation and fan speed modulation

- > Up to 70% energy savings with brushless DC motor technology compared to traditional technology
- > Instant adjustment to temperature and relative humidity changes
- > Low operating sound level
- > Highly flexible solutions: multiple sizes, piping topologies and connection valves
- > The air filter can easily be removed for cleaning
- > Straight duct connector mounted to discharge side
- > Available static pressure up to 120Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.





FWN-AF

Indoor unit			FWN-AT/AF	04	05	06	07	08	10	04	05	06	07	08	10
						2-р	ipe					4-p	ipe		
Cooling capacity	Total	High	kW	3.80	4.65	6.01	6.65	7.57	8.49	3.76	4.61	5.91	6.55	7.46	8.35
(standard	capacity	Medium	kW	3.47	4.20	5.65	6.25	6.84	7.62	3.44	4.17	5.58	6.17	6.75	7.52
conditions)		Low	kW	2.83	3.38	5.22	5.78	6.20	6.84	2.82	3.36	5.17	5.71	6.14	6.77
	Sensible	High	kW	2.98	3.56	4.47	5.04	6.29	6.83	2.95	3.53	4.39	4.97	6.19	6.71
	capacity	Medium	kW	2.70	3.19	4.20	4.73	5.60	6.07	2.68	3.17	4.15	4.66	5.52	5.98
		Low	kW	2.19	2.54	3.90	4.35	5.01	5.40	2.18	2.52	3.84	4.30	4.96	5.34
Heating capacity		High	kW	4.05	4.83	6.42	7.26	7.88	8.93	3.91	3.89	5.72	5.65	7.99	7.94
(standard condition	ns)	Medium	kW	3.69	4.36	6.03	6.80	7.11	8.04	3.68	3.66	5.51	5.45	7.47	7.44
		Low	kW	3.04	3.55	5.59	6.29	6.47	7.28	3.	23	5.25	5.21	7.02	6.99
Power input	High		kW	0.	112	0.1	52	0.2	48	0.	112	0.1	52	0.2	248
	Medium		kW	0.	07	0.	13	0.	17	0.	.73	0.	13	0	.17
	Low		kW	0.	04	0.	10	0.	12	0.45	0.40	0.	10	0.	.12
FCEER				C	В			С			В		(	Ċ	
FCCOP				В	Α	I	3	С		В			(	C	
Dimensions	Unit	HeightxWidthxLength	mm	559x75	54x280	559x96	4x280	559x1,1	70x280	559x75	54x280	559x96	54x280	559x1,1	70x280
Weight	Unit		kg	32.5	33.3	40.6	41.7	47.3	48.7	34.7	35.5	43.2	44.4	50.3	51.7
Air filter	Type							Acry	lic - Filte	ring class	s EU2				
Fan	Type								Centr	ifugal					
	Quantity				1			2			1			2	
	Air flow	High	m³/h	802	791	1,238	1,203	1,606	1,581	793	783	1,211	1,182	1,576	1,550
	rate	Medium	m³/h	700	692	1,134	1,107	1,384	1,371	694	686	1,115	1,088	1,362	1,349
		Low	m³/h	534	532	1,019	1,000	1,207	1,198	531	529	1,005	985	1,192	1,184
Total sound power	High		dBA	66	5.0	69	0.0	72	.0	66	5.0	69	9.0	72	2.0
level	Medium		dBA	61	1.0	63	3.0	67	7.0	6	1.0	63	3.0	67	7.0
	Low		dBA	54	4.0	59.0	61.0	62	2.0	54	4.0	59.0	61.0	62	2.0
Sound pressure	High		dBA	61	1.0	64	1.0	67	7.0	6	1.0	64	1.0	67	7.0
level	Medium		dBA	56	5.0	58	3.0	62	2.0	56	5.0	58	3.0	62	2.0
	Low		dBA	49	9.0	54.0	56.0	57	<b>'</b> .0	49	9.0	54.0	56.0	57	7.0
Electric heater	ctric heater Power input (Optional)			2	.0	6	.0	9	.0	2	.0	6	.0	9	.0
Piping connections	Drain	OD	mm						1	7					
Power supply	Phase/Fre	quency/Voltage	Hz/V						1~/50	)/230					
Control systems	Wired ren	note control					FW	/EC3A / F	WECSA /	FWTOU	CH / FWE	C10			

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue  $\,$ 

# Concealed ceiling unit with high ESP

# AC fan motor unit for horizontal or vertical concealed mounting

- > Quick fixing system for wall or ceiling mounted installation
- > Straight duct connector mounted to discharge side
- > The air filter can easily be removed for cleaning
- > Available static pressure up to 180Pa at maximum speed



More details and final information can be found by scanning or clicking the QR codes.





FWD-AF

Indoor unit			FWD-AT/AF	04	06	08	10	12	16	18	04	06	08	10	12	16	18
							2-pipe							4-pipe			
Cooling capacity	Total	High	kW	3.65	5.71	7.33	8.25	11.86	15.92	17.74	3.62	5.60	7.20	8.10	11.66	15.84	17.66
(standard	capacity	Medium	kW	3.36	5.39	6.63	7.41	10.12	13.83	15.36	3.33	5.32	6.54	7.31	10.00	13.77	15.29
conditions)		Low	kW	2.74	4.99	6.03	6.68	8.42	11.63	12.92	2.73	4.92	5.97	6.61	8.33	11.59	12.87
	Sensible	High	kW	2.83	4.16	6.04	6.58	9.22	12.21	13.49	2.80	4.08	5.94	6.46	9.06	12.14	13.41
	capacity	Medium	kW	2.59	3.94	5.39	5.86	7.75	10.43	11.40	2.57	3.89	5.31	5.77	7.66	10.38	11.34
		Low	kW	2.10	3.66	4.84	5.23	6.35	8.61	9.37	2.09	3.60	4.79	5.17	6.29	8.58	9.34
Heating capacity		High	kW	4.05	6.42	7.88	8.93	12.72	17.29	19.05	3.91	5.72	7.99	7.94	14.43	19.30	19.20
(standard condition	ns)	Medium	kW	3.69	6.03	7.11	8.04	10.84	15.05	16.40	3.68	5.51	7.47	7.44	12.63	17.17	17.03
		Low	kW	3.04	5.59	6.47	7.28	9.06	12.68	13.73	3.23	5.25	7.02	6.99	10.86	14.88	14.79
Power input	High		kW	0.265	0.460	0.5	505	0.750	1.3	800	0.265	0.460	0.5	05	0.750	1.3	00
	Medium		kW	0.19	0.39	0.	38	0.54	1.0	09	0.19	0.39	0.	38	0.54	1.0	09
	Low		kW	0.14	0.35	0.	29	0.37	0.	.87	0.14	0.35	0.	29	0.37	0.	87
Dimensions	Unit	HeightxWidthxLength	mm	559x754x 280	559x964x 280	559x1,1	70x280	718x1,170x 353	718x1,3	80x353	559x754x 280	559x964x 280	559x1,1	70x280	718x1,170x 353	718x1,3	80x353
Weight	Unit		kg	32.5	40.6	47.3	48.7	65.3	77.0	79.5	34.7	43.2	50.3	51.7	70.9	83.4	85.9
Air filter	Туре						P	Acrvlic f	iber - Fi	lterina d	class G2	(G4 on	request	t)			
Fan	Type									Centr		•		,			
	Quantity			1			- 2	2			1				2		
	Air flow	High	m³/h	802	1,241	1,609	1,584	2,380	3,206	3,175	794	1,212	1,573	1,550	2,328	3,186	3,155
	rate	Medium	m³/h	700	1,134	1,384	1,371	1,898	2,641	2,604	694	1,115	1,362	1,349	1,871	2,626	2,590
		Low	m³/h	534	1,021	1,208	1,200	1,485	2,092	2,073	532	1,004	1,194	1,186	1,466	2,084	2,065
Total sound power	High		dBA	66.0	69.0	72	2.0	74.0	78	3.0	66.0	69.0	72	2.0	74.0	78	3.0
level	Medium		dBA	61.0	63.0		67.0		73	3.0	61.0	64.0		67.0		73	3.0
	Low		dBA	54.0	59.0	62	2.0	60.0	69	9.0	54.0	61.0	62	2.0	60.0	69	9.0
Sound pressure	High		dBA	61.0	64.0	67	7.0	69.0	73	3.0	61.0	64.0	67	7.0	69.0	73	3.0
level	Medium		dBA	56.0	58.0		62.0		68	3.0	56.0	59.0		62.0		68	3.0
	Low		dBA	49.0	54.0	57	7.0	55.0	64	4.0	49.0	56.0	57	7.0	55.0	64	4.0
Electric heater	Power inp	kW	2.0	6.0		9.0		12	2.0	2.0	6.0		9.0		12	2.0	
Piping connections						1	7										
Power supply	Phase/Fre	quency/Voltage	Hz/V							1~/50	0/230						
Control systems	Wired ren	note control				FWEC	1A / FW	EC2A/I	FWEC3A	A / FWEO	CSA/FV	VTOUCH	1/FWE	C2T / FV	VEC4T		

# Wall mounted unit

#### AC fan motor unit for wall mounting

- > High aesthetic cabinet design
- > Optimum air distribution
- > Easy to install
- > Wireless remote control up to 9 m distance
- > 3-speed fan motor
- > Wide operating range
- > Low operating sound level thanks to tangential fan
- > Insulated with self-extinguishing class 1 heat insulation
- > Removable washable air filter (self-extinguishing class 1)



More details and final information can be found by scanning or clicking the QR codes.



FW/T-C

Indoor unit			FWT-GT	02	03	04	05	06
						2-pipe		
Cooling capacity	Total	High	kW	2.40	2.67	3.27	4.49	5.21
(standard	capacity	Medium	kW	2.20	2.23	2.79	4.02	4.32
conditions)		Low	kW	1.94	2.02	2.52	3.76	4.04
	Sensible	High	kW	1.82	1.99	2.60	3.38	4.03
	capacity	Medium	kW	1.73	1.69	2.21	3.00	3.52
		Low	kW	1.50	1.49	1.91	2.77	3.22
Heating capacity		High	kW	2.71	2.96	3.71	5.07	6.23
(standard		Medium	kW	2.41	2.62	3.29	4.51	5.38
conditions)		Low	kW	2.06	2.25	2.75	4.03	4.83
Power input	High		kW	0.031	0.032	0.042	0.053	0.072
	Medium		kW	C	.03	0.04	0.05	0.07
	Low		kW		0.03		0.04	0.06
FCEER					D		C	D
FCCOP						C		
Dimensions	Unit	HeightxWidthxLength	mm		288x800x206		310x1,0	70x224
Neight	Unit		kg		9.00		14	1.0
Casing	Colour					White		
Air filter	Туре					Washable Saranet		
an	Type					Cross flow fan		
	Quantity					1		
	Air flow	High	m³/h	442	476	629	866	1,053
	rate	Medium	m³/h	391	425	544	765	883
		Low	m³/h	340	374	442	663	782
Total sound power	High		dBA	45.0	48.0	55	.0	59.0
evel	Medium		dBA	41.0	44.0	50.0	51.0	54.0
	Low		dBA	36.0	39.0	45.0	47.0	51.0
Sound pressure	High		dBA	34.0	35.0	42	.0	46.0
level	Medium		dBA	29.0	30.0	39.0	38.0	42.0
	Low		dBA	2	5.0	32.0	34.0	39.0
Piping connections	Drain	OD	mm			19		
Power supply	Phase/Fre	quency/Voltage	Hz/V			1N~/50/220-240		
Control systems	Infrared re	emote control				WRC-HPC		
	Wired ren	note control				MERCA / SRC-HPA		

For standard conditions refer to the Measuring Conditions table, at the end of this catalogue  $\,$ 



NDO	OR UNITS	FWC-BT/BF	FWF-BT/BF	FWF-DT/DF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF
	Decoration panel		BYFQ60B	BYFQ60B	FPAN02A	FPAN02A			
	600x600 Decoration panel	DVCO****C			(2 up to 4 class) FPAN06A	(2 up to 4 class) FPAN06A			
	900x900	BYCQ140C			(6 up to 8 class)	(6 up to 8 class)			
	Coanda effect decoration panel				FCND02A	FCND02A			
	600x600				(2 up to 4 class)	(2 up to 4 class)			
	Design panel			BYFQ60CW (white) BYFQ60CS					
	Adaptor for design panel			(silver) EKRP1CAS5A					
	Panel spacer for reducing required installation height	KDBQ44B60	KDBQ44B60	KDBQ44B60					
	Sealing member of air discharge outlet	KDBHQ55C140	KDBH44BA60	KDBH44BA60					
s s	un disendige sudet				SPFAI1A	SPFAI1A			
Panels	Spigot for fresh air				(2 up to 4 class) SPFAI2A (6 up to 8 class)	(2 up to 4 class) SPFAI2A (6 up to 8 class)			
	Air distribution plenum				PPAI02A (2 up to 4 class) PPAI06A	PPAI02A (2 up to 4 class) PPAI06A			
	-				(6 up to 8 class)	(6 up to 8 class)	EDD1/02 A C	EDD1(02.4.6	EDDV62A6
	Rear panel						ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)	ERPV02A6 (1, 15 & 2 class) ERPV03A6 (25 & 3 class) ERPV06A6 (35, 4 & 6 class) ERPV10A6 (8 & 10 class)	ERPV02A6 (2 class) ERPV03A6 (3 class) ERPV06A6 (6 class) ERPV10A6 (8 class)
	Air intake & discharge grille						EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6	EAIDF02A6 (1, 15 & 2 class) EAIDF03A6 (25 & 3 class) EAIDF06A6 (35, 4 & 6 class) EAIDF10A6	EAIDF02A6 (2 class) EAIDF03A6 (3 class) EAIDF06A6 (6 class) EAIDF10A6
							(10 class)	(8 & 10 class)	(10 class)
	Wired remote controller (standard)	BRC315D	BRC315D		FWEC1A			FWEC1A	
	Wired remote controller (advanced)				FWEC2A			FWEC2A	
¥	Wired remote controller (advanced Plus)			FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A
ems & network	Simplified electronic controller (2 pipe)			FWEC10	FWEC2T	FWEC10	FWEC10	FWEC2T	FWEC10
& ne	Simplified electronic			FWEC10	FWEC4T	FWEC10	FWEC10	FWEC4T	FWEC10
E S	controller (4 pipe) Wireless controller			11111111				==.	
z	(heat pump)	BRC7F532F	BRC7E530						
<u>   </u>	Controller							ECFWMB6	
e e	electromechanical Split controller - power								
Individual control sy	control board			FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP
Σ	Split controller - control panel			FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC
ם	Split controller - touch screen control panel			FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (whi FWTOUCHB (blac FWTOUCHG (gre
	On-board mounting kit for wired remote controller						FWECKA	FWECKA	FWECKA
	On-board mounting kit						FWCKRX (right side)	FWCKRX (right side)	FWCKRX (right sic
	for simplified controller Wall-mounting kit for						FWCKLX (left side)	FWCKLX (left side)	FWCKLX (left side
	wired remote controller			FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA
s	Central remote control	DCS302CA51	DCS302CA51						
systems	Unified ON/OFF control	DCS301BA51	DCS301BA51						
}	Schedule timer	DST301BA51	DST301BA51						
tocol interface	Intelligent Touch Manager	DCM601A5A	DCM601A5A						
& Standard protocol interface	Intelligent Touch Controller	DCS601C51C	DCS601C51C						

<sup>1.</sup> Decoration panel code includes wireless controller

FWL-DAT/DAF	FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-FT/FF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
ERPV02A6 (1, 15 & 2 class)									
ERPV03A6 (25 & 3 class)									
ERPV06A6 (35, 4 & 6 class)									
ERPV10A6 (8 & 10 class)									
EAIDF02A6 (1, 15 & 2 class)	EAIDF02A6 (2 class)	EAIDF02A6 (1, 15 & 2 class)							
EAIDF03A6 (25 & 3 class)	EAIDF03A6 (3 class)	EAIDF03A6 (25 & 3 class)							
EAIDF06A6	EAIDF06A6	EAIDF06A6							
(35, 4 & 6 class) EAIDF10A6	(6 class) EAIDF10A6	(35, 4 & 6 class) EAIDF10A6							
(8 & 10 class)	(10 class)	(8 & 10 class)							
FWEC1A		FWEC1A	FWEC1A	FWEC1A		FWEC1A	FWEC1A		MERCA
FWEC2A		FWEC2A	FWEC2A	FWEC2A		FWEC2A	FWEC2A		
FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	FWEC3A	
FWEC2T	FWEC10	FWEC2T	FWEC2T	FWEC2T	FWEC10	FWEC2T	FWEC2T	FWEC10	
FWEC4T	FWEC10	FWEC4T	FWEC4T	FWEC4T	FWEC10	FWEC4T	FWEC4T	FWEC10	
									WRC-HPC
ECFWMB6		ECFWMB6							
FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	FWECSAP	
FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	FWECSAC	
WTOUCHW (white) WTOUCHB (black) WTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	FWTOUCHW (white) FWTOUCHB (black) FWTOUCHG (grey)	
FWECKA		(3)/		19-21	19-11			(57)	
WCKRX (right side)									
FWCKLX (left side) FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	FWFCKA	
I WI CIM	I WI CICA	I WI CIA	T WI CICA	1 WI CICA					

### Options & accessories - Fan coil units: Filters and Valves

DO	OR UNITS	FWC-BT/BF	FWF-BT/BF	FWF-DT/DF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF
	3-ways 230V ON/OFF valve kit (2-pipe)	EKMV3C09B	EKMV3C09B	EKWV3V3W5A	E2C3V02A (2 up to 4 class) E2C3V06A (6 up to 8 class)	E2C3V02A (2 up to 4 class) E2C3V06A (6 up to 8 class)	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6 (8 & 10 class)	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)
	3-ways 230V ON/OFF valve kit (4-pipe)	EKMV3C09B x2	EKMV3C09B x2	EKWV3V3W5A x2	E4C3V02A (2 up to 4 class) E4C3V06A (6 up to 8 class)	E4C3V02A (2 up to 4 class) E4C3V06A (6 up to 8 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)
	2-ways 230V ON/OFF valve kit (2-pipe)	EKMV2C09B	EKMV2C09B	EKWV2V3W5A	E2C2V02A (2 up to 4 class) E2C2V06A (6 up to 8 class)	E2C2V02A (2 up to 4 class) E2C2V06A (6 up to 8 class)			
ON/OFF valves 230V	2-ways 230V ON/OFF valve kit (4-pipe)	EKMV2C09B x 2	EKMV2C09B x 2	EKWV2V3W5A x 2	E4C2V02A (2 up to 4 class) E4C2V06A (6 up to 8 class)	E4C2V02A (2 up to 4 class) E4C2V06A (6 up to 8 class)			
ON/OF	2-ways 230V ON/OFF valve kit (cooling heat exchanger)						E2MV2B07A6 (2, 3 & 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)	E2MV2B07A6 (2 up to 6 clas E2MV2B10A6 (8 class)
	2-ways 230V ON/OFF valve kit (additional heat exchanger)						E2MV2B07A6	E2MV2B07A6	E2MV2B07A6
	3-ways 230V ON/OFF valve kit (additional heat exchanger)								
	Simplified 3-ways 230V ON/OFF valve kit (2-pipe)						E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)	E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)
	Simplified 3-ways 230V ON/OFF valve kit (4-pipe)						E4MVD03A6 (2 & 3 class) E4MVD06A6 (6 class) E4MVD10A6 (8 class)	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)	E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6 (8 & 10 class)
	3-ways 24V ON/OFF valve kit (cooling heat exchanger)				E2C324V02A (2 up to 4 class) E2C324V06A (6 up to 8 class)	E2C324V02A (2 up to 4 class) E2C324V06A (6 up to 8 class)	E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)	E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)	E2M2V03A6 (2 & 3 class) E2M2V06A6 (6 class) E2M2V10A6 (8 class)
es 24V	3-ways 24V ON/OFF valve kit (4-pipe)				E4C324V02A (2 up to 4 class) E4C324V06A (6 up to 8 class)	E4C324V02A (2 up to 4 class) E4C324V06A (6 up to 8 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)
ON/OFF	2-ways 24V ON/OFF valve kit (cooling heat exchanger)				E2C224V02A (2 up to 4 class) E2C224V06A (6 up to 8 class)	E2C224V02A (2 up to 4 class) E2C224V06A (6 up to 8 class)	E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 6 class) E2M2V210A6 (8 & 10 class)	E2M2V207A6 (2, 3 & 6 class E2M2V210A6 (8 class)
	2-ways 24V ON/OFF valve kit (additional heat exchanger)				E4C224V02A (2 up to 4 class) E4C224V06A (6 up to 8 class)	E4C224V02A (2 up to 4 class) E4C224V06A (6 up to 8 class)	E2M2V207A6	E2M2V207A6	E2M2V207A6
	2-ways 24V ON/OFF valve kit (4-pipe)								

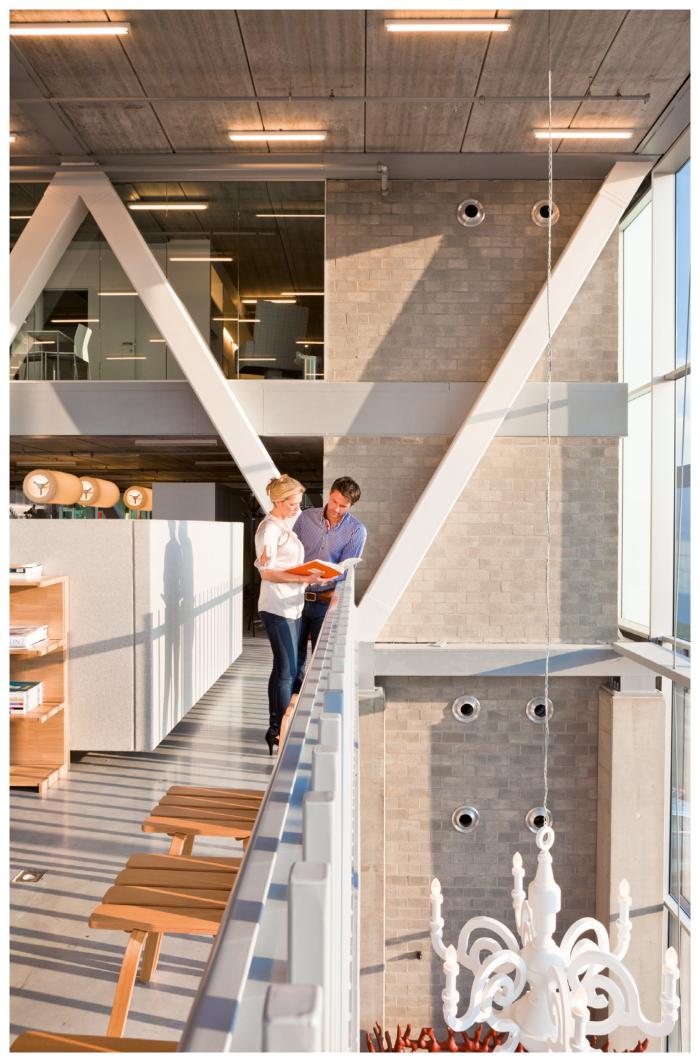
FWL-DAT/DAF	FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-FT/FF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6	E2MV03A6 (2, 3 & 6 class) E2MV10A6 (8 class)	E2MV03A6 (1 up to 35 class) E2MV06A6 (4 & 6 class) E2MV10A6	E3V2VN02V3WA	EK02WV3V3W5A (4 up to 10 class) EK04WV3V3W5A (14 & 16 class) EK06WV3V3W5A	E4V2N05OV3WA (4 & 5 class) E4V2N08OV3WA (6 & 8 class) E2MV10B6	E4V2N05OV3WA (4 & 5 class) E4V2N08OV3WA (6 & 8 class) E2MV10B6	ED2MV04A6 (4 class) ED2MV10A6 (6, 8 & 10 class) ED2MV18A6	ED2MV04A6 (4 & 5 class) ED2MV10A6 (6 up 10 class) ED2MV18A6	
E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E4MV03A6 (2, 3 & 6 class) E4MV10A6 (8 class)	(8 & 10 class)  E4MV03A6 (1 up to 35 class) E4MV06A6 (4 & 6 class) E4MV10A6 (8 & 10 class)	E3V4VN02V3WA	(20 & 24 class)  EK02WV3V3W5A x 2 (4 up to 10 class) EK04WV3V3W5A x 2 (14 & 16 class) EK06WV3V3W5A x 2 (20 & 24 class)	(10 up to 17 class) E4V2N05OV3WA + E4VHN08OV3WA (4 up to 5 class) E4V2N08OV3WA + E4VHN08OV3WA (6 up to 8 class) E2MV1086 + E4VHN17OV3WA (10 up to 17 class)	(10 up to 17 class) E4V2N05OV3WA + E4VHN08OV3WA (4 up to 5 class)	ED4MV04A6 (4 class) ED4MV10A6 (6, 8 & 10 class) ED4MV18A6 x 2 (12 up to 18 class)	ED4MV04A6 (4 & 5 class) ED4MV10A6 (6 up 10 class) ED2MV18A6 x2 (12 up to 18 class)	
			E2V2VN01V3WA	EK02WV2V3W5A (4 up to 10 class) EK04WV2V3W5A (14 & 16 class) EK06WV2V3W5A (20 & 24 class)			ED2MV2B04A6 (4 class) ED2MV2B10A6 (6 up 10 class) ED2MV2B18A6 (12 up to 18 class)	ED2MV2B04A6 (4 & 5 class) ED2MV2B10A6 (6 up 10 class) ED2MV2B18A6 (12 up to 18 class)	
			E2V4VN01V3WA	EK02WV2V3W5A (4 up to 10 class) EK04WV2V3W5A (14 & 16 class) EK06WV2V3W5A (20 & 24 class)	E2MV2B07A6 + E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 + E2MV2B07A6 (10 up to 17 class)	E2MV2B07A6 + E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 + E2MV2B07A6 (10 up to 17 class)	ED4MV2B04A6 (4 class) ED4MV2B10A6 (6 up 10 class) ED2MV2B18A6 x2 (12 up to 18 class)	ED4MV2B04A6 (4 & 5 class) ED4MV2B10A6 (6 up 10 class) ED2MV2B18A6 x2 (12 up to 18 class)	
E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)	E2MV2B07A6 (2 up to 6 class) E2MV2B10A6 (8 class)	E2MV2B07A6 (1 up to 6 class) E2MV2B10A6 (8 & 10 class)			E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 (10 up to 17 class)	E2MV2B07A6 (4 up to 8 class) E2MV2B10A6 (10 up to 17 class)			
E2MV2B07A6	E2MV2B07A6	E2MV2B07A6			E2MV2B07A6	E2MV2B07A6			
					E4VHN08OV3WA (4 up to 8 class) E4VHN17OV3WA (10 up to 17 class)	E4VHN08OV3WA (4 up to 8 class) E4VHN17OV3WA (10 uo to 17 class)			
E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)	E2MVD03A6 (2 & 3 class) E2MVD06A6 (6 class) E2MVD10A6 (8 class)	E2MVD03A6 (1 up to 35 class) E2MVD06A6 (4 & 6 class) E2MVD10A6 (8 & 10 class)							
E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6	E4MVD03A6 (2 & 3 class) E4MVD06A6 (4 & 6 class) E4MVD10A6	E4MVD03A6 (1 up to 35 class) E4MVD06A6 (4 & 6 class) E4MVD10A6							
(8 & 10 class) E2M2V03A6 (1 up to 35 class) E2M2V06A6 (4 & 6 class) E2M2V10A6 (8 & 10 class)	(8 & 10 class)  E2M2V03A6 (2 & 3 class)  E2M2V06A6 (6 class)  E2M2V10A6 (8 class)	(8 & 10 class)  E2M2V03A6 (1 up to 35 class)  E2M2V06A6 (4 & 6 class)  E2M2V10A6 (8 & 10 class)			E4V2N05O24WA (4 & 5 class) E4V2N08O24WA (6 & 8 class) E4V2N17O24WA (10 up to 17 class)	E4V2N05O24WA (4 & 5 class) E4V2N08O24WA (6 & 8 class) E4V2N17O24WA (10 up to 17 class)			
E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)	E4M2V03A6 (2 & 3 class) E4M2V06A6 (6 class) E4M2V10A6 (8 class)	E4M2V03A6 (1 up to 35 class) E4M2V06A6 (4 & 6 class) E4M2V10A6 (8 & 10 class)							
(8 & 10 class) E2M2V207A6 1 up to 35 class) E2M2V210A6 (8 & 10 class)	E2M2V207A6 (2, 3 & 6 class) E2M2V210A6 (8 class)	E2M2V207A6 (1 up to 35 class) E2M2V210A6 (8 & 10 class)			E2M2V207A6 (4 up to 8 class) E2M2V210A6 (10 up to 17 class)	E2M2V207A6 (4 up to 8 class) E2M2V210A6 (10 up to 17 class)			
E2M2V207A6	E2M2V207A6	E2M2V207A6			E2M2V207A6	E2M2V207A6			
					E2M2V207A6 + E2M2V207A6 (4 up to 8 class) E2M2V210A6 + E2M2V207A6 (10 up to 17 class)	E2M2V207A6 + E2M2V207A6 (4 up to 8 class) E2M2V210A6 + E2M2V207A6 (10 up to 17 class)			

INDO	OR UNITS	FWC-BT/BF	FWF-BT/BF	FWF-DT/DF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF
	3-ways proportional valve kit (2-pipe)				E2C3PV02A (2 up to 4 class) E2C3PV06A (6 up to 8 class)	E2C3PV02A (2 up to 4 class) E2C3PV06A (6 up to 8 class)	E2MPV03A6 (2 & 3 class) E2MPV06A6 (6 class) E2MPV10A6 (8 class)	E2MPV03A6 (1 up to 35 class) E2MPV06A6 (4 & 6 class) E2MPV10A6 (8 & 10 class)	E2MPV03A6 (2 & 3 class) E2MPV06A6 (6 class) E2MPV10A6 (8 class)
	3-ways proportional valve kit (additional heat exchanger)				E4C3PV02A (2 up to 4 class) E4C3PV06A (6 up to 8 class)	E4C3PV02A (2 up to 4 class) E4C3PV06A (6 up to 8 class)			
Proportional valves	3-ways proportional valve kit (4-pipe)						E4MPV03A6 (2 & 3 class) E4MPV06A6 (6 class) E4MPV10A6 (8 class)	E4MPV03A6 (1 up to 35 class) E4MPV06A6 (4 & 6 class) E4MPV10A6 (8 & 10 class)	E4MPV03A6 (2 & 3 class) E4MPV06A6 (6 class) E4MPV10A6 (8 class)
Prope	2-ways proportional valve kit (cooling heat exchanger)				E2C2PV02A (2 up to 4 class) E2C2PV06A (6 up to 8 class)	E2C2PV02A (2 up to 4 class) E2C2PV06A (6 up to 8 class)	E2MPV207A6 (2, 3 & 6 class) E2MPV210A6 (8 class)	E2MPV207A6 (1 up to 6 class) E2MPV210A6 (8 & 10 class)	E2MPV207A6 (2, 3 & 6 class) E2MPV210A6 (8 class)
	2-ways proportional valve kit (additional heat exchanger)				E4C2PV02A (2 up to 4 class) E4C2PV06A (6 up to 8 class)	E4C2PV02A (2 up to 4 class) E4C2PV06A (6 up to 8 class)	E2MPV207A6	E2MPV207A6	E2MPV207A6
	2-ways proportional valve kit (4-pipe)								
	Pressure independent controlled valves ON-OFF 230V (2-pipe)				E2C2PICV02A (2 up to 4 class) E2C2PICV06A (6 up to 8 class)	E2C2PICV02A (2 up to 4 class) E2C2PICV06A (6 up to 8 class)	FWZSVPIC2V15 (2 class) FWZSVPIC2V20 (3 & 6 class) FWZSVPIC2V25 (8 class)	FWZSVPIC2V15 (1 class) FWZSVPIC2V20 (15 up to 25 class) FWZSVPIC2V25 (3 up to 6 class) FWZSVPIC2V25 (8 up to 10 class)	FWZSVPIC2V15 (2 class) FWZSVPIC2V20 (3 & 6 class) FWZSVPIC2V25 (8 class)
Pressure independent controlled valves	Pressure independent controlled valves ON- OFF 230V (4-pipe)				E4C2PICV02A (2 up to 4 class) E4C2PICV06A (6 up to 8 class)	E4C2PICV02A (2 up to 4 class) E4C2PICV06A (6 up to 8 class)	FWZSVPIC2V1515 (2 class) FWZSVPIC2V2015 (3 & 6 class) FWZSVPIC2V2520 (8 class)	FWZSVPIC2V1010 (1 class) FWZSVPIC2V1515 (15 up to 25 class) FWZSVPIC2V2015 (3 up to 6 class) FWZSVPIC2V2520 (8 up to 10 class)	FWZSVPIC2V1515 (2 class) FWZSVPIC2V2015 (3 & 6 class) FWZSVPIC2V2520 (8 class)
₾.	Pressure independent controlled valves modulating 24V (2-pipe)				E2C2PRPICV02A (2 up to 4 class) E2C2PRPICV06A (6 up to 8 class)	E2C2PRPICV02A (2 up to 4 class) E2C2PRPICV06A (6 up to 8 class)			
	Pressure independent controlled valves modulating 24V (4-pipe)				E4C2PRPICV02A (2 up to 4 class) E4C2PRPICV06A (6 up to 8 class)	E4C2PRPICV02A (2 up to 4 class) E4C2PRPICV06A (6 up to 8 class)			
	Installation box/ Mounting plate for adapter PCBs (when there is no space in the switchbox)	KRP1H98A	KRP1BB101						
	Wiring adapter for electrical appendices	KRP2A52 (2) KRP4AA53 (2)	KRP2A52 (2) KRP4AA53 (2)						
	Remote ON/OFF		EKROROA						
	Remote sensor Optional PCB for	KRCS01-4	KRCS01-1						
ers	MODBUS connection Wiring adapter with 4 output signals	EKRP1C11	EKFCMBCB  EKRP1C11						
Adapters	for valve control PCB Temperature sensor kit for wired remote controller			FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA
	Relative humidity sensor kit for wired remote controller			FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA	FWHSKA
	Water temperature sensor for simplified controller			FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA	FWCSWA
	Fan stop thermostat  Master-slave interface				EPIMSA6			YFSTA6 EPIMSA6	

	FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-FT/FF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
E2MPV03A6	E2MPV03A6	E2MPV03A6	E4V2PN04V3DA		E4V2N05P24WA	E4V2N05P24WA			
(1 up to 35 class) E2MPV06A6	(2 & 3 class) E2MPV06A6	(1 up to 35 class) E2MPV06A6	(3 up to 5 class) E4V2PN06V3DA		(4 & 5 class) E4V2N08P24WA	(4 & 5 class) E4V2N08P24WA			
(4 & 6 class)	(6 class)	(4 & 6 class)	(6 up to 8 class)		(6 & 8 class)	(6 & 8 class)			
E2MPV10A6	E2MPV10A6	E2MPV10A6	E4V2PN10V3DA		E2MPV10A6	E2MPV10A6			
(8 & 10 class)	(8 class)	(8 & 10 class)	(10 & 11 class)		(10 up to 17 class)	(10 up to 17 class)			
					E4VHN08P24WA	E4VHN08P24WA			
					(4 up to 8 class) E4VHN17P24WA	(4 up to 8 class) E4VHN17P24WA			
					(10 up to 17 class)	(10 up to 17 class)			
					E4V2N05P24WA +	E4V2N05P24WA +			
E4MPV03A6	E4MPV03A6	E4MPV03A6	E4V4PN04V3DA		E4VHN08P24WA	E4VHN08P24WA			
(1 up to 35 class)	(2 & 3 class)	(1 up to 35 class)	(3 up to 5 class)		(4 & 5 class)	(4 & 5 class)			
E4MPV06A6	E4MPV06A6	E4MPV06A6	E4V4PN06V3DA		E4V2N08P24WA + E4VHN08P24WA	E4V2N08P24WA + E4VHN08P24WA			
(4 & 6 class) E4MPV10A6	(6 class) E4MPV10A6	(4 & 6 class)	(6 up to 8 class) E4V4PN10V3DA		(6 & 8 class)	(6 & 8 class)			
(8 & 10 class)	(8 class)	E4MPV10A6 (8 & 10 class)	(10 & 11 class)		E2MPV10A6 +	E2MPV10A6 +			
,	,	,	, , , , , , , , ,		E4VHN17P24WA (10 up to 17 class)	E4VHN17P24WA (10 up to 17 class)			
E2MPV207A6	E2MPV207A6	E2MPV207A6			E2MPV207A6	E2MPV207A6			
(1 up to 6 class)	(2, 3 & 6 class)	(1 up to 6 class)			(4 up to 8 class)	(4 up to 8 class)			
E2MPV210A6	E2MPV210A6	E2MPV210A6			E2MPV210A6	E2MPV210A6			
(8 & 10 class)	(8 class)	(8 & 10 class)			(10 up to 17 class)	(10 up to 17 class)			
E2MPV207A6	E2MPV207A6	E2MPV207A6			E2MPV207A6	E2MPV207A6			
	221111 1207710	22/// 720///0			EZIIII VZO//IO	22 1207710			
					E2MPV207A6 +	E2MPV207A6 +			
					E2MPV207A6 (4 up to 8 class)	E2MPV207A6			
					E2MPV210A6 +	(4 up to 8 class) E2MPV210A6 +			
					E2MPV207A6	E2MPV207A6			
					(10 up to 17 class)	(10 up to 17 class)			
FWZSVPIC2V15	F14/761/2:50:42	FWZSVPIC2V15			F14(DD) (2) (2) (2)	F14(DD)/(2) 50) (5-	FIMIDAN (SI SO) (SI	FIAIDAN (C. SO. (C.	
(1 class) FWZSVPIC2V20	FWZSVPIC2V15 (2 class)	(1 class) FWZSVPIC2V20			FWBPVPIC2V15 (4 & 6 class)	FWBPVPIC2V15 (4 & 6 class)	FWDNVPIC2V20 (4 & 6 class)	FWDNVPIC2V20 (4 up to 7 class)	
(15 up to 25 class)	FWZSVPIC2V20	(15 up to 25 class)			FWBPVPIC2V20	FWBPVPIC2V20	FWDNVPIC2V25	FWDNVPIC2V25	
FWZSVPIC2V25	(3 & 6 class)	FWZSVPIC2V25			(8 & 10 class)	(8 & 10 class)	(8 & 10 class)	(8 & 10 class)	
(3 up to 6 class)	FWZSVPIC2V25	(3 up to 6 class)			FWBPVPIC2V25	FWBPVPIC2V25	FWDNVPIC2V32	FWDNVPIC2V32	
FWZSVPIC2V25 (8 up to 10 class)	(8 class)	FWZSVPIC2V25 (8 up to 10 class)			(11 up to 17 class)	(11 up to 17 class)	(12 up to 18 class)	(12 up to 18 class)	
FWZSVPIC2V1010		FWZSVPIC2V1010			FWBPVPIC2V1515LF	FWBPVPIC2V1515LF			
(1 class)	FWZSVPIC2V1515	(1 class)			(4 & 5 class)	(4 & 5 class)	FWDNVPIC2V2015	FWDNVPIC2V20	
FWZSVPIC2V1515	(2 class)	FWZSVPIC2V1515			FWBPVPIC2V1515	FWBPVPIC2V1515	(4 & 6 class)	(4 up to 7 class)	
(15 up to 25 class)	FWZSVPIC2V2015	(15 up to 25 class)			(6 class)	(6 class)	FWDNVPIC2V2520	FWDNVPIC2V25	
FWZSVPIC2V2015 (3 up to 6 class)	(3 & 6 class) FWZSVPIC2V2520	FWZSVPIC2V2015 (3 up to 6 class)			FWBPVPIC2V2015 (8 & 10 class)	FWBPVPIC2V2015 (8 & 10 class)	(8 & 10 class) FWDNVPIC2V3220	(8 & 10 class) FWDNVPIC2V32	
WZSVPIC2V2520	(8 class)	FWZSVPIC2V2520			FWBPVPIC2V2515	FWBPVPIC2V2515	(12 up to 18 class)	(12 up to 18 class)	
(8 up to 10 class)		(8 up to 10 class)			(11 up to 17 class)	(11 up to 17 class)	·	·	
FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	FWTSKA	
FWTSKA FWHSKA	FWTSKA FWHSKA	FWTSKA FWHSKA	FWTSKA FWHSKA	FWTSKA	FWTSKA FWHSKA	FWTSKA FWHSKA	FWTSKA FWHSKA	FWTSKA FWHSKA	
FWHSKA FWCSWA YFSTA6	FWHSKA	FWHSKA FWCSWA YFSTA6	FWHSKA FWCSWA	FWHSKA	FWHSKA	FWHSKA FWCSWA YFSTA6	FWHSKA FWCSWA YFSTA6	FWHSKA	
FWHSKA	FWHSKA	FWHSKA FWCSWA	FWHSKA	FWHSKA	FWHSKA	FWHSKA FWCSWA	FWHSKA FWCSWA	FWHSKA	

OR UNITS	FWC-BT/BF	FWF-BT/BF	FWF-DT/DF	FWH-AT/AF	FWI-AT/AF	FWZ-AT/AF	FWV-DAT/DAF	FWR-AT/AF
Fresh air intake kit (direct installation type)		KDDQ44XA60	KDDQ44XA60					
(uncernistaliation type)						EFA02A6 (2 class)	EFA02A6 (1, 15 & 2 class)	
Fresh air intake	KDDP55C160-1 +					EFA03A6 (3 class) EFA06A6 (6 class)	EFA03A6 (25 & 3 class) EFA06A6 (35, 4 & 6 class)	
	KDDP55D160-2					EFA10A6 (8 class)	EFA10A6 (8 & 10 class)	
Long-life filter		KAFQ441BA60	KAFQ441BA60					
Electrical box with earth terminal (2 blocks)	KJB212A	KJB212A						
Electrical box with earth	KJB311A	KJB311A						
terminal (3 blocks) Eletrical box with earth								
terminal	KJB411A	KJB411A						
						EEH02A6 (2 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class)	EEH02A6 (2 cla
Electric heater (standard)						EEH03A6 (3 class) EEH06A6 (6 class)	EEH03A6 (25 & 3 class)	EEH03A6 (3 cla EEH06A6 (6 cla
(standard)						EEH10A6 (8 class)	EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)	EEH10A6 (8 cla
Electric heater (big)								
Liectric fleater (big)								
Additional heat						ESRH02A6 (2 class) ESRH03A6 (3 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class)	ESRH02A6 (2 cl ESRH03A6 (3 cl
exchanger						ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)	ESRH06A6 (6 cl ESRH10A6 (8 cl
						ESFV06A6	ESFV06A6	ESFV06A6
Supporting feet						(2, 3 & 6 class) ESFV10A6	(1 up to 6 class) ESFV10A6	(2, 3 and 6 cla ESFV10A6
						(8 class)	(8 & 10 class)	(8 class)
						ESFVG02A6 (2 class)	ESFVG02A6 (1, 15 & 2 class)	
Supporting feet and						ESFVG03A6 (3 class)	ESFVG03A6 (25 & 3 class)	
grille						ESFVG06A6	ESFVG06A6	
						(6 class) ESFVG10A6	(35, 4 & 6 class) ESFVG10A6	
						(8 class)	(8 & 10 class)	
Front air intake kit								
Plenum box								
with rectangular connections								
Connections								
DI I W								
Plenum box with circular connections								
Plenum box (not insulated insulated) with								
circular connections								
(supply side) Plenum box (insulated)								
with circular connections (supply								
side)								
Plenum box (insulated) with circular								
connections (intake								
side) Cover box for electric								
connections								
G2 Filter								
G4 Filter								
Vertical auxiliary drain				ا استاسون	j.,	FDDVDC	EDDVD	EDDV0-
pan				included	included	EDPVB6	EDPVB6	EDPVB6
Horizontal auxiliary drain pan						EDPHB6	EDPHB6	EDPHB6
Drain pump	included	included	included	included	included	CDRP1A	CDRP1A	CDRP1A (only vertical
Fk		reidded		c.uucu		22 //	22 7,	installation
Vertical installation kit								

FWL-DAT/DAF	FWS-AT/AF	FWM-DAT/DAF	FWE-DT/DF	FWE-FT/FF	FWP-CT/CF	FWB-CT/CF	FWD-AT/AF	FWN-AT/AF	FWT-GT
							EDMFA04A6 (4 class) EDMFA06A6 (6 class) EDMFA10A6 (8 & 10 class)	EDMFA04A6 (4 & 5 class) EDMFA06A6 (6 & 7 class)	
							EDMFA12A6 (12 class) EDMFA18A6 (16 & 18 class)	EDMFA10A6 (8 & 10 class)	
EEH01A6 (1 class) (H02A6 (15 & 2 class) (H03A6 (25 & 3 class) (H06A6 (35, 4 & 6 class) (H10A6 (8 & 10 class)	EEH02A6 (2 class) EEH03A6 (3 class) EEH06A6 (6 class) EEH10A6 (8 class)	EEH01A6 (1 class) EEH02A6 (15 & 2 class) EEH03A6 (25 & 3 class) EEH06A6 (35, 4 & 6 class) EEH10A6 (8 & 10 class)			EH060V3A (4 & 5 class) EH100V36A (6 & 8 class) EH200V36A (10 up to 17 class)	EH060V3A (4 & 5 class) EH100V36A (6 & 8 class) EH200V36A (10 up to 17 class)	EDEH04A6 (4 class) EDEHS06B6 (6 class) EDEHS10B6 (8 & 10 class) EDEHS12B6 (12 class) EDEHS18B6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHS06B6 (6 & 7 class) EDEHS10B6 (8 & 10 class)	
							EDEH04A6 (4 class) EDEHB06A6 (6 class) EDEHB10A6 (8 & 10 class) EDEHB12A6 (12 class) EDEHB18A6 (16 & 18 class)	EDEH04A6 (4 & 5 class) EDEHB06A6 (6 & 7 class) EDEHB10A6 (8 & 10 class)	
tH02A6 (1, 15 & 2 class) RH03A6 (25 & 3 class)	ESRH02A6 (2 class) ESRH03A6 (3 class)	ESRH02A6 (1, 15 & 2 class) ESRH03A6 (25 & 3 class)				EAHD04A (4 & 5 class) EAHD06A (6 & 8 class)			
H06A6 (35, 4 & 6 class) RH10A6 (8 & 10 class)	ESRH06A6 (6 class) ESRH10A6 (8 class)	ESRH06A6 (35, 4 & 6 class) ESRH10A6 (8 & 10 class)	ECELIANDE		EAHD10A (10 up to 17 class)	EAHD10A (10 up to 17 class)			
ESFV06A6 1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFV06A6 (2, 3 & 6 class) ESFV10A6 (8 class)	ESFV06A6 (1 up to 6 class) ESFV10A6 (8 & 10 class)	ESFH01D5 (installation leg for vertical application)						
	CONV02A6 (2 class)	CONVO2A6 (1, 15 & 2 class)			EDFAI04A (4 & 5 class)	EDFAI04A (4 & 5 class)			
	CONV03A6 (3 class) CONV06A6 (6 class) CONV10A6 (8 class)	CONV03A6 (25 & 3 class) CONV06A6 (35, 4 & 6 class) CONV10A6 (8 & 10 class)			EDFAI06A (6 & 8 class) EDFAI10A (10 up to 17 class)	EDFAI06A (6 & 8 class) EDFAI10A (10 up to 17 class)			
							PRD04A6 (4 class) PRD06A6 (6 class) PRD08A6 (8 & 10 class) PRD12A6 (12 class) PRD16A6 (16 & 18 class)	PRD04A6 (4 & 5 class) PRD06A6 (6 & 7 class) PRD08A6 (8 & 10 class)	
							PCIC04A6 (4 class) PCIC06A6 (6 class) PCIC08A6 (8 & 10 class) PCIC12A6 (12 class) PCIC16A6 (16 & 18 class)	PCIC04A6 (4 & 5 class) PCIC06A6 (6 & 7 class) PCIC08A6 (8 & 10 class)	
					PLT2NAA (6 & 8 class) PLT3NAA	PLT1NAA (4 & 5 class) PLT2NAA (6 & 8 class) PLT3NAA			
	EPCC02A6 (2 class) EPCC03A6 (3 class) EPCC06A6 (6 class)	EPCC02A6 (1.15 & 2 class) EPCC03A6 (25 & 3 class) EPCC06A6 (35, 4 & 6 class)			(10 up to 17 class) PLT1CAA (4 & 5 class) PLT2CAA (6 & 8 class) PLT3CAA	(10 up to 17 class) PLT1CAA (4 & 5 class) PLT2CAA (6 & 8 class) PLT3CAA			
	EPCC10A6 (8 class) EICC02A6 (2 class) EICC03A6 (3 class) EICC06A6 (6 class)	EPCC10A6 (8 & 10 class)  EICC02A6 (1.15 & 2 class)  EICC03A6 (25 & 3 class)  EICC06A6 (35, 4 & 6 class)			(10 up to 17 class)	(10 up to 17 class)			
	EICC10A6 (8 class)	EICC10A6 (8 & 10 class)			FWBOX	FWBOX			
				EKAF02G5A (4 up to 6 class) EKAF03G5A (8 up to 12 class) EKAF02G5A x 2 (14 up to 16 class) EKAF02G5A + EKAF03G5A (20 up to 24 class)					
					FG4T1AA (4 & 5 class) FG4T2AA (6 & 8 class) FG4T3AA (10 up to 17 class)	FG4T1AA (4 & 5 class) FG4T2AA (6 & 8 class) FG4T3AA (10 up to 17 class)	FSDG404A (4 class) FSDG406A (6 class) FSDG408A (8 & 10 class) FSDG412A (12 class) FSDG416A (16 & 18 class)	FSDG404A (4 & 5 class) FSDG406A (6 & 7 class) FSDG408A (8 & 10 class)	
EDPVB6	EDPVB6	EDPVB6	ESFD01D6				EDDPV10A6 (4, 6, 8, 10 class) EDDPV18A6 (12, 16 & 18 class)	EDDPV10A6	
EDPHB6	EDPHB6	EDPHB6		included	EDPD7 (4 up to 8 class) EDPD9 (10 up to 17 class)	EDPD7 (4 up to 8 class) EDPD9 (10 up to 17 class)	EDDPH10A6 (4, 6, 8, 10 class) EDDPH18A6 (12, 16 & 18 class)	EDDPH10A6	
CDRP1A (only vertical installation)	CDRP1A	CDRP1A			CDRP1A	CDRP1A	CDRP1A	CDRP1A	
			ESFH02D5						



# Air handling units

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## Why choose Daikin air handling units?

- > Maximum energy efficiency and indoor air quality
- > Wide range of functions and options
- > High quality components
- > **Innovative** technology: Unique features and state of the art technology for short payback
- > Operation efficiency and energy savings
- > Outstanding reliability and performance
- Various applications are possible including air conditioning applications, industry-type process cooling, and large-scale district heat source systems
- > Plug and play concept for easy installation and commissioning
- > Unique Daikin fresh air package available for connection of AHU to VRV or ERQ

### Certifications

- > Eurovent certified performances
- > Exceeding 2018 ErP ECODESIGN requirements
- Certified according to the Hygiene Directive
   VDI 6022 (Modular L and Professional ranges)
- Certified according to the Hygiene Directive DIN 1946 (Professional range)
- > RLT certified performances







# The unique quality of Daikin AHU is accomplished by:

#### Panels |

- > The outer panel is Pre-painted with Corrosion Class RC5
- > The inner panel is made of Aluzinc with Corrosion Class RC4

#### Gasket

Liquid gasket technology drastically reduces unit air leakage

#### Frame

- All anodized aluminium which has the highest corrosior resistance compared to natural aluminium
- Unique Daikin thermal break (35 mm or 27 mm thermal break). Polyamide bars design to enhance thermal break unit performances
- Distinctive Section to section thermal break profile to ensure thermal break design on the whole unit
- Rounded profile for increased ease of cleaning

#### IAQ

- > Flush internal surface and rounded corner flush surface to avoid the retention of dirt and to be easily cleanable
- Wide filtration possibility to reduce pollution

#### **Plug & Play Controls**

- Pre-commissioned and Factory-tested control for quicker or site commissioning
- Sole manufacturer to provide a complete AHU DX solution from a single manufacturer available for connection of AHU to VRV or FRO (everything factory-mounted)

## Marketing tools

- Watch the time-lapse video of a Daikin AHU construction on www.youtube.com/daikineurope
- > Watch the Modular L promotional video on www.youtube.com/daikineurope
- > Download our brochure on air handling units from my.daikin.eu
- Get the access to the selection tool <a href="http://tools.daikinapplied.eu">http://tools.daikinapplied.eu</a> to select your air handling units in a few clicks.
- > Download the Modular L "Daikin Air Design" App on the App stores for iOS and Android





> Consult the "Argue Card" document to support in promoting the Modular L range (available on request – refer to your Daikin AHU specialist)

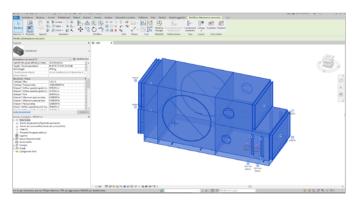




### **BIM** models

- > Get the Modular L and T BIM models on bim.daikin.eu
- Get the BIM tool plugin for Revit for Professional and Modular R/P series







## Benefits for the installer

#### Plug and play design

- Pre-programmed and factory-tested controls for an easier and fast commissioning
- > Low voltage fast connectors between AHU sections.
- > Flush mounted or external electrical control panel

#### Daikin Fresh air package

- Plug & Play connection of Professional or Modular AHU to Daikin VRV and ERO
- Factory-mounted package contains expansion valves, electronic interface and sensors

## Benefits for the consultant

#### **Quick selection tool**

- In-house developed web software with improved user interface and preset parameters ensure that you can always find the optimum and most energy efficient product for your application
- > Extremely flexible design
- Infinite variable sizes (increments of 1 cm)

#### **BIM** models

 Regardless if your AHU is standard or fully customized,
 BIM models are available and can be downloaded with just a few clicks

## Benefits for the end user

#### **Customized or standard**

 Amazing tailor-made capability to meet the specific customer needs with the Professional range or fast availability thanks to the "make to stock" standard Modular L and T range

#### **Efficient control logic**

- Open communication protocols (BACnet and Modbus) tha quarantee BMS, and iTM compatibility
- Energy efficient controls with reduced energy and operating cost
- Highest efficiency ensure savings on energy consumption costs















# Products overview

## Centralized ventilation



- > Infinite variable sizes
- > Tailored to the individual customer



#### D-AHU Modular R

- > Pre-configured sizes
- > Plug and play concept
- > EC Fan technology
- > Heat recovery wheel (sorption and sensible technology)
- > Compact design



#### D-AHU Modular P

- > Pre-configured sizes
- > Plug and play concept
- > EC Fan technology
- > High efficiency aluminium counter flow PHE
- > Compact design



### Selection software

#### **ASTRA Web**

- Quick AHU selection that will save you precious time, drastically reducing selection time through the new software interface.
- > Very competitive solution available within the Wizard thanks to pre-uploaded parameters.
- > High selection quality, thanks to the intelligence embedded within the software core.

#### Quickly select your air handling unit by following the wizard:



2 Insert the air flow supply and return

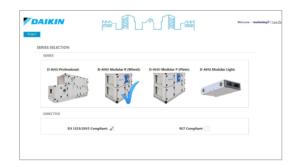
3 Insert the summer/winter air supply setpoint

(4) Insert the summer/winter outdoor and extract temperature

You will get immediately your 3D result and it's ready to customize!

Now, you will be able to modify your unit (adding or changing components) in order to have a product that meets all your needs.

When finished a technical report, price list, fan curve chart can be generated. These final reports can be downloaded in different formats.







## Eurovent certification

Daikin Applied Europe S.p.A. participates in the Eurovent Certified Performance programme for Air Handling Units. Check ongoing validity of certificate: www.eurovent-certification.com or www.certiflash.com



Result Ener	gy TermiC° S2&F2 Eurovent Cla	ssification acc	ording to E	N1886		
D1	Casing strength class  Max. relative deflection mm x m <sup>-1</sup>	D1		D2 10.00	Ex	D3 ceeding10
LI	Casing air leakage class at -400 Pa Max. leakage rate (f <sub>400</sub> ) I x s <sup>-1</sup> x m <sup>-2</sup>	L1 L2 0.15 0.44				L3
u	Casing air leakage lass at +700 Pa Max. leakage rate (f <sub>700</sub> ) l x s¹ x m²	L1 L2 0.63				L3 1.90
ePM <sub>1</sub> 80% (F9)	Filter bypass leakage class Max. filter bypass leakage rate k in % of the volume flow rate	ePM <sub>1</sub> 80% (F9)	ePM <sub>1</sub> 70% (F	ePM <sub>1</sub> 50% (F7)	ePM <sub>2,5</sub> 50% (M6)	ISO Coarse 6
T2	Thermal transmittance $(U)Wxm^2xK^{\!-1}$	T1 U <= 0.5	T2 0.5 < U <=	T3 1 1 < U <= 1.4	T4	T5 No requirements
TB2	Thermal bridging factor (kb)	TB1  0.75 < K <sub>b</sub> <= 1	TB2 $0.6 < K_b <= 0$	TB3 $0.45 < K_b <= 0.6$	TB4  0.3 < K <sub>b</sub> <= 0.45	TB5 No requirements

# The working principle at a glance

Typical configurations for Daikin air handling units provide a versatile range of functions. Our system offers numerous options for customisation through an extensive range of variations and added functionality.

#### Supply side

- > Damper section including ventilation grilles, factory-mounted actuators
- > Premium efficiency filters with factorymounted differencial pressure manometer
- Heat recovery system (cross flow and counter flow plate heat exchanger or rotary heat exchanger)
- Mixing box with damper and factorymounted actuators
- Heating/cooling coil section with stainless steel condensate tray and drip protection
- Supply air fan, EC technology (with hinged door, opening drive monitoring, mounted and cabled lighting and ON/OFF switch)







#### Fans

- > EC plug fan
- > Forward curved fan
- > Backward curved fan
- > Backward airfoil blades fan
- > Plug fan

#### Exchangers

- → Water coils
- > Steam coils
- > Direct expansion coil
- > Superheated water coils
- > Electric coils

#### Humidifiers

- > Evaporative humidifier without pump (loss water)
  - > Evaporative humidifier with re-circulating pump
  - > Steam humidifier with direct steam production
  - > Steam humidifier with local distributor
  - > Atomized water spray humidifier

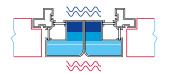
#### Plug and Play control solution

- > Air flow control
- > Air temperature control
- > Chilled water and DX cooling system control
- > Free cooling
- > CO, automatic control
- Air temperature control (supply, return, ambient)
- › Variable Air Volume (VAV) and Constant Air Volume (CAV) systems

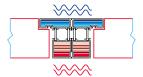
#### Unique section to section thermal break profile

- > Thermal bridge free for the entire AHU
- Smooth interior surface with improved IAQ (Indoor Air Quality)

Conventional design



Daikin design









#### Return side

- Premium efficiency filters with factory-mounted differencial pressure manometer
- Exhaust air fan, EC technology (with hinged door, opening drive monitoring, mounted and cabled lighting and ON/OFF switch)
- Mixing box with damper and factorymounted actuators
- Heat recovery system (cross flow and counter flow plate heat exchanger or rotary heat exchanger)
- > Damper section including ventilation grilles, factory-mounted actuators

#### Heat recovery systems

- > Heat wheel, sensible or sorption
- Cross flow and Counter flow plate heat exchangers
- > Run-around coils

#### Other section

- > Attenuator section
- Mixing box section with actuators or manual controlled dampers
- > Empty section

#### Filters

- > Synthetic pleated filter
- > Flat filter aluminium mesh
- > Rigid bag filter
- > Soft bag filter
- > High efficiency filter
- > Carbon absorption filter
- > Carbon deodorizing filter

#### Accessories

- > Control features
- > Frost protection
- > Manometers
- > Drive guard
- > Roof
- > ...

# Professional

## Flexible solution for custom applications







# Highlights

- > Air flow from 750 m<sup>3</sup>/h to 144,000 m<sup>3</sup>/h, for all customer needs
- > Indoor and outdoor versions
- Custom designed to facilitate the transport and the assembly on site
- > Smooth interior surface with improved IAQ (Indoor Air Quality)
- > DX cooling system integration (VRV IV and ERQ coupling capability)
- > Daikin Digital Control compatible
- > Different heat recovery systems: heat wheel (sensible, enthalpy or sorption), cross flow and counter flow plate heat exchangers, run-around coils
- > Wide range of fans selectable: EC, AC plug, belt driven (forward curved, backward curved and backward airfoil blades)
- > Heating/cooling coil section with stainless steel condensate tray and drip protection
- > Different humidifiers available depending on customer needs
- > Premium efficiency filters with factory mounted differential pressure manometer
- > Profile in anodized aluminum with or without thermal break
- > Base frame in Galvanized steel, Aluminium, Stainless Steel 430 or 316
- > Panel insulation in polyurethane foam or mineral wool
- Different material options selectable for internal, external panel skin: Pre-coated, Aluzinc, Aluminum, Stainless Steel 304 or 316
- > Wide range of accessories
- > Possibility to import BIM objects in Autodesk® Revit, thanks to a dedicated free plug-in available for download





# Daikin Digital Control

Plug and play control system

# Highlights

- > Free cooling/free heating management
- > VRV direct expansion systems management
- > Chilled water system control
- > Eco and reduced night modes
- > Up to 310 I/O (inputs/outputs)
- > All components internally wired
- > Fast connection between sections
- > Programming schedule
- > Indoor Air Quality (IAQ) controlled by CO<sub>2</sub> Probe
- > Regulation logic: Temperature Supply, Return, Ambient
- > Preloaded control parameters simplify the field commissioning
- > Unit delivered tested and programmed in the factory ensuring high quality level
- > Time and cost savings thanks to easy assembly on site
- > Minimum maintenance required
- > No involvement of external company or need of a third-party warranty thanks to integration of low and high voltage
- > User friendly control interface
- Supervision and Control management local, remote options (Modbus, Bacnet)
- > Maximum flexibility in selecting the product and control feature directly from selection software



# Daikin On Site

### Control everywhere

The Daikin On Site platform offers different features and functions to monitor and control the unit.

The monitoring system makes available dashboards, remote access, scheduling, online graphics, diagnostics, software upgrade.



# Modular R

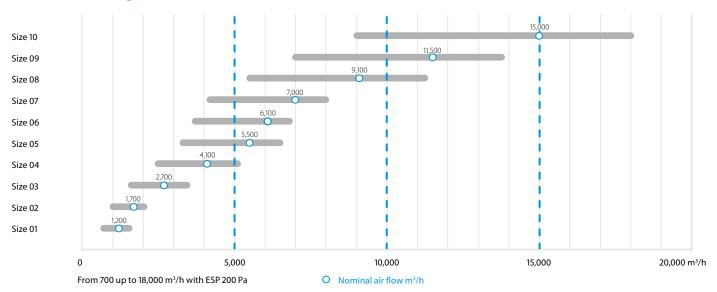
Side connected rotary heat recovery air handling unit

# Highlights

- > 10 predefined sizes
- > Airflow from 700 m<sup>3</sup>/h to 18,000 m<sup>3</sup>/h (ErP 2018)
- > Rotary heat recovery (Sensible or Sorption)
- > Compact design (only 720 mm depth)
- > Indoor and outdoor versions
- > Thermal bridge free for the entire AHU
- > Smooth interior surface with improved IAQ (Indoor Air Quality)
- > Indoor air quality compliant with VDI 6022 hygiene guideline
- > Chilled water system control
- > DX cooling system integration (VRV IV and ERQ coupling capability)
- > Advanced control features
- > Monitoring and control through Daikin iTM
- > Nominal air flow programmed at factory
- > Air flow or pressure control (Variable Air Volume Constant Air Volume)
- > Free cooling capability
- > Economy and Night mode operation
- > Possibility to import BIM objects in Autodesk® Revit



## Air flow range



### Technical details

More details and final information can be found by scanning or clicking the QR codes.



Modular R

Modular R			1	2	3	4	5	6	7	8	9	10
Airflow		m³/h	1,200	1,700	2,700	4,100	5,500	6,100	7,000	9,100	11,500	15,000
Temp. efficiency winter %		76.9	76.7	77	77.2	78.5	77	78.4	78.7	77.9	78.2	
External static pressure	Pa	200										
Current (1)	Nom.	Α	2.6	3.65	2.24	3.27	4.23	5.14	5.79	6.92	9.39	12.56
Power input (1)	Nom.	kW	0.6	0.84	1.36	1.98	2.56	3.11	3.51	4.19	5.69	7.61
SFPv (2)		kW/m³/s	1.553	1.507	1.451	1.521	1.387	1.549	1.525	1.432	1.487	1.551
Electrical supply	Phase	ph		1 3								
	Frequency	Hz					5	0				
	Voltage	V	23	30				4	00			
Dimensions unit	Width	mm	720	820	990	1,200	1,4	-00	1,600	1,9	40	2,300
	Height	mm	1,3	320	1,540	1,7	40	1,9	920	2,180	2,460	2,570
	Length	mm	1,7	00	1,800	1,920	2,080	2,280	2,400	2,450	2,280	2,400
Weight unit		kg	325	350	475	575	750	790	950	1,330	1,410	1,750

(1) Measured with dirty filters | (2) SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

# Modular P

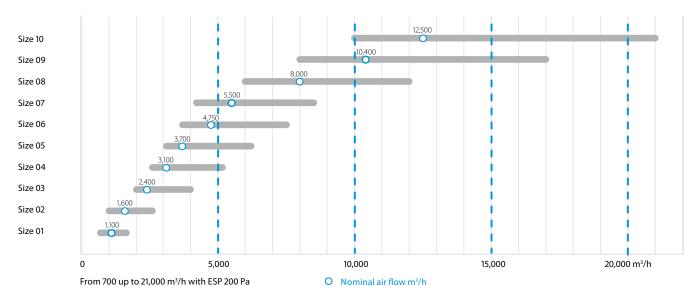
## Side connected plate heat recovery air handling unit

# Highlights

- > 10 predefined sizes
- > Airflow from 700 m<sup>3</sup>/h to 21,000 m<sup>3</sup>/h (ErP 2018)
- > Counterflow plate heat recovery
- > Compact design (only 720 mm depth)
- > Indoor and outdoor versions
- > Thermal bridge free for the entire AHU
- > Smooth interior surface with improved IAQ (Indoor Air Quality)
- > Indoor air quality compliant with VDI 6022 hygiene guideline
- > Chilled water system control
- > DX cooling system integration (VRV IV and ERQ coupling capability)
- > Advanced control features
- > Monitoring and control through Daikin iTM
- > Nominal air flow programmed at factory
- > Air flow or pressure control (Variable Air Volume Constant Air Volume)
- > Free cooling capability
- > Economy and Night mode operation
- > Possibility to import BIM objects in Autodesk® Revit, thanks to a dedicated free plug-in available for download



## Air flow range



## Technical details

More details and final information can be found by scanning or clicking the QR codes.



Modular P

Modular P			1	2	3	4	5	6	7	8	9	10	
Airflow		m³/h	1,100	1,600	2,400	3,100	3,700	4,750	5,500	8,000	10,400	12,500	
Heat exchanger thermal efficiency	(1)	%	88.1	88.1 87 87.2 87.1 92.1				91.8	91.8 92.9				
External static pressure	Nom.	Pa		200									
Current (2)	Nom.	Α	1.78	2.48	2.08	2.73	3.45	4.58	5.25	7.53	9.55	11.55	
Power input (2)	Nom.	kW	0.41	0.57	0.83	1.09	1.38	1.83	2.10	3.01	3.82	4.62	
SFPv (3)		kW/m³/s	1.183	1.092	1.090	1.113	1.118	1.210	1.207	1.216	1.148	1.166	
Electrical supply	Phase	ph		1					3				
	Frequency	Hz					5	0					
	Voltage	V	23	30				4	00				
Dimensions unit	Width	mm	720	820	990	1,200	1,4	00	1,600	1,9	40	2,300	
	Height	mm	1,3	20	1,540	1,7	40	1,9	920	2,180	2,460	2,570	
	Length	mm	2,030	2,200	2,610	2,660	2,800	3,210	3,340	3,840	4,060	4,190	
Weight unit		kg	343	358	512	604	785	852	964	1,449	1,700	2,071	

<sup>(1)</sup> Winter design condition: Outdoor: -10°C, 90% Indoor: 22°C, 50% | (2) Measured with dirty filters | (3) SFPv is a parameter that quantifies the fan efficiency (the lower it is, the better will be) This reduces if airflow decreases.

# Modular L

## False ceiling heat recovery unit

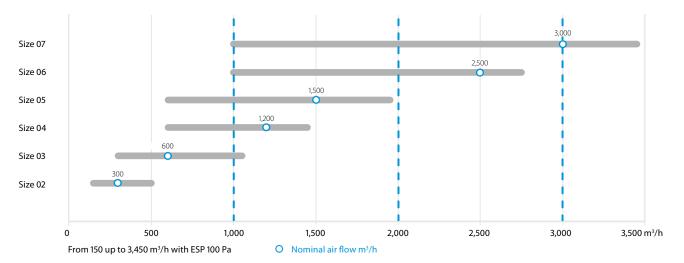
# Highlights

- > 6 Predefined sizes
- > Plug & Play control solution
- > Compact unit from 280 mm height (for air flow up to 550 m³/h)
- > Wide air flow coverage from 150 to 3,400 m<sup>3</sup>/h
- > Right and left configuration
- Pro (open control platform) and Smart (Daikin control platform) version
- > Excellent indoor air quality (IAQ). Up to ePM1 80% (F9) filtration level with possibility to have a prefilter up to ePM1 50% (F7) for the best IAQ
- > VDI 6022 Certified
- > BIM file available at www.daikin.eu/BIM



Modular L

# Air flow range



### Technical details

More details and final information can be found by scanning or clicking the QR codes.



Modular L

Modular L			ALB02*B*	ALB03*B*	ALB04*B*	ALB05*B*	ALB06*B*	ALB07*B*			
Size (1)			02	03	04	05	06	07			
Airflow		m³/h	300	600	1,200	1,600	2,500	3,000			
Heat exchanger thermal e	fficiency (2)	%	9	91	90						
External pressure static		Pa	100								
Eurrent A			0.61	1.39	2.26	2.87	5.17	6.26			
Power input		kW	0.14	0.32	0.52	0.66	1.19	1.44			
SFPv		kW/m3/s	1.27	1.55	1.32	1.38	1.49	1.54			
Electrical supply	Phase	ph	1								
	Frequency	Hz	50/60								
	Voltage	V	220/240 Vac								
Main unit Dimensions	Width	mm	920	1100 1600				2 000			
	Height	mm	280	350	4	15	50	00			
	Length	mm	1660	1800		20	000				
Rectangular duct flange	Width	mm	250	400	5	00	70	00			
Height (3) mm		mm	150	200	30	00	40	00			
Sound unit power level		dB(A)	54	61	62	57	64	62			
Sound unit pressure level (3) dB(A)		dB(A)	47	54	55	50	57	55			
Weight Unit Kg		Kg	125	180	270	280	350	360			

(1) All size available in Smart or Pro version and right or left handing | (2) Winter design condition: Outdoor: -10°C, 90% Indoor: 22°C, 50% | (3) Simple source reference value at 1 meter, directivity factor Q=4 (quarter sphere) and non-reverberant field. Allowances on declared values: +/- 3dB | All data in the table refer to Modular L Pro. For Modular L Smart can be different. Please refer to Databook or Astra selection software for more details.

# Modular T

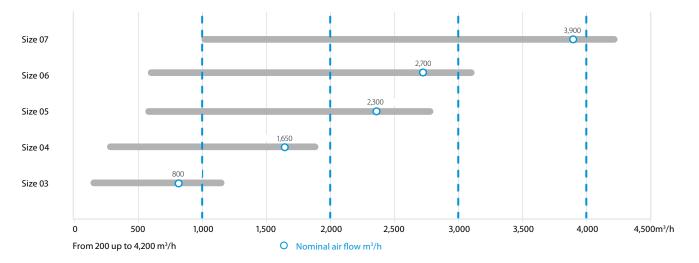
## Top connected heat recovery unit

# Highlights

- > 5 Predefined sizes
- > Plug & Play control solution
- > Compact unit from 550 mm width (for unit up to 1,100 m<sup>3</sup>/h)
- > Wide air flow coverage from 200 to 4,200 m<sup>3</sup>/h
- > Right and left configuration
- Pro (open control platform) and Smart (Daikin control platform) version
- > Excellent indoor air quality (IAQ). Up to three filtration stages: more than 90% PM1 in outdoor air are deleted achieving the best IAQ
- > DX and water coil available as option
- > Recirculation mixing damper (option)
- > BIM file available at www.daikin.eu/BIM



# Air flow range



## Technical details

More details and final information can be found by scanning or clicking the QR codes.



Modular T

Modular T			ATB03*A*	ATB04*A*	ATB05*A*	ATB06*A*	ATB07*A*			
Size (1)			03	04	05	06	07			
Airflow		m³/h	800	1,650	2,300	2,700	3,900			
Heat exchanger thermal ef	ficiency (2)	%	89.3	88.3	85.1	85.5	90.8			
External static pressure		Pa	100							
Current		Α	1.70	3.39	4.61	5.17	7.87			
Power input		kW	0.39	0.78	1.06	1.19	1.81			
SFPv (5)		kW/m³/s	1.47	1.5	1.49	1.41	1.5			
Electrical supply	Phase	ph	1							
	Frequency	Hz	50/60							
	Voltage	V	220/240 Vac							
Main unit dimensions	Width	mm	550	790	790	790	890			
	Heigth	mm³	1,6	600	1,900	1,850	2,050			
	Length	mm	1,580	1,650	2,170 (4)	2,620 (5)	2,950 (5)			
Circular duct flange	Diameter	mm	255	315	355	400	500			
Unit sound power level		dBA	57	52	5	55	58			
Unit sound pressure level (6)		dBA	50	45	4	18	51			
Weight Unit		Kg	200	250	400	500	620			

<sup>(1)</sup> All size available in Smart or Pro version and right or left handing | (2) Outdoor condition: -5°C, 90% Indoor condition: 25°C, 50% | (3) Including feet and duct connections | (4) Size 05 is provided in two sections | (5) Size 06 and 07 are provided in three sections | (6) Simple source reference value at 1 meter, directivity factor Q=4 (quarter sphere) and non-reverberant field. Allowances on declared values: +/- 3dB



# Plug and play connection of AHU to Daikin VRV and ERO

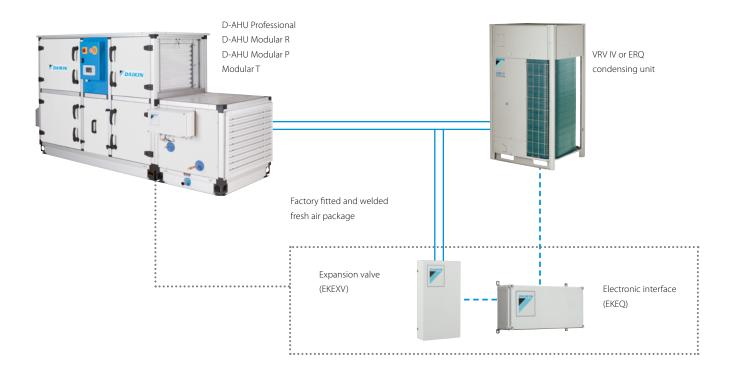
The Daikin fresh air package provides a complete solution, including all unit controls (expansion valve, control box and AHU controller) and sensors factory mounted and configured.

## Higher efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold incoming fresh air.

## High comfort levels

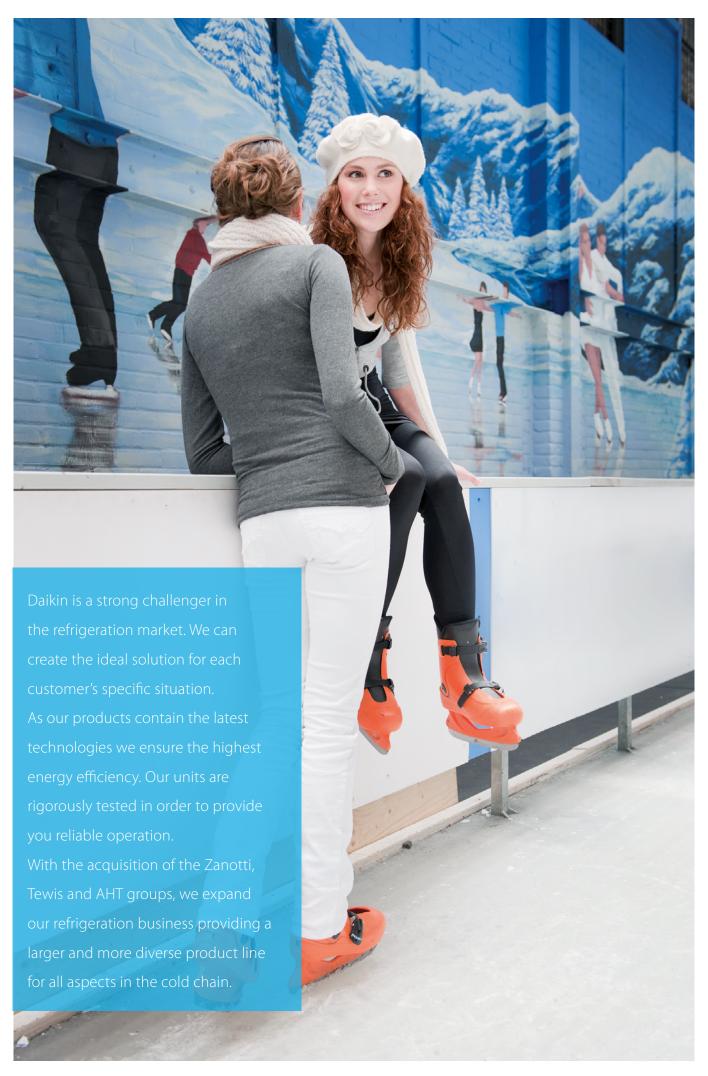
Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resulting in high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.



For more information on the connection of VRV or ERQ DX units with air handling units refer to the chapter Commercial ventilation & air purification of this catalogue

















# Refrigeration

Why choose Daikin?	796
Daikin Refrigeration Group	798
Plug and Play solutions	
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ZEAS	828
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CO <sub>2</sub> ZEAS	834
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NOVA	838
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Multi-compressor packs and racks	842
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GWP AR4

1,430

1,774

1,825

1,490

2,088

1,387

1.397

2,141

3

Refrigerant

R-134A

R-407C

R-407F

R-407H

R-410A

R-448A

R-449A

R-452A

R-290

R-744

GWP AR5

1,300

1,620

1,670

1,380

1,920

1,270

1.280

1,945

3

Any refrigeration system that contains fluorinated greenhouse gases is in scope of the F-gas regulations.

For fully/partially pre-charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

For non pre-charged equipment (including, but not limited to racks): its functioning relies on fluorinated greenhouse gases.

The F-gas regulations do not apply to systems that contain only natural refrigerants such as propane (R-290) and carbon dioxide (R-744).



Inverter technology



Scroll compressor



Screw compressor



Reciprocating compressor



Swing compressor

For latest data, please consult my.daikin.eu

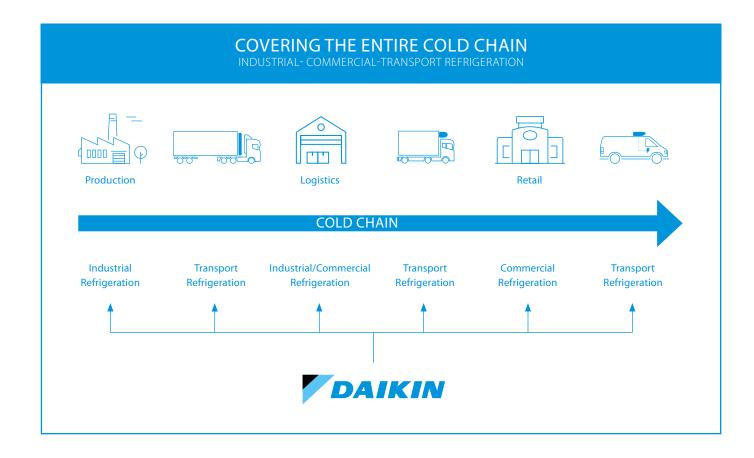
# Cold Chain Expertise

From production to delivery

### Reshaping the future of cold chain supply

Combining refrigeration expertise with innovative technology, Daikin's comprehensive product portfolio delivers integrated temperature control solutions that improve quality and safety through every link in the distribution process from point of origin to the final consumer. Our range of products and services provide the flexibility to meet diverse customer needs across a range of applications, during production, storage, retail and transit. Energy-efficient technologies with low-GWP refrigerants provide reliable and cost-effective operation, safeguarding perishable supplies, whatever the climate, while protecting the environment.

We will leverage our strengths to cover the entire cold chain.











# Vision 2050

### **Daikin Environmental Policy**

Adopted in 2015, the Paris Agreement contains a target for the latter half of this century of reducing greenhouse gas emissions to net zero and limiting global warming by less than 2°C compared to pre-industrial levels. In the spirit of the Paris Agreement, Daikin has formulated Environmental Vision 2050, with a target of reducing greenhouse gas emissions to net zero by 2050. We have established a reduction target for 2030 and incorporated this into our efforts under the Fusion 25 Strategic Management Plan.

### Our Vision 2050

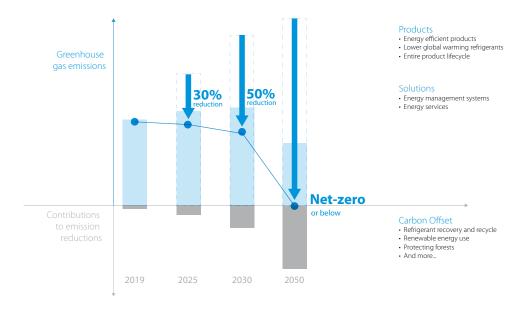
We will reduce the greenhouse gas emissions generated throughout the entire lifecycle of our products by 2050. Furthermore, we are committed to creating solutions that link society and customers as we work with stakeholders to reduce greenhouse gas emissions to net zero.

Using IoT and AI, and open innovation attempts, we will meet the world's needs for air solutions by providing safe and healthy air environments while at the same time contributing to solving global environmental problems.

### Refrigeration Medium-Term Outlook

In our Cold Chain business, we are moving towards low-GWP and HFC-free natural refrigerants, while ensuring the correct safety standards are established in our markets. We maintain continuous focus on reducing the energy consumption of all our products. In the Transport Refrigeration industry, we will strive to lead the shift towards electrification and phase-down the reliance on combustion engine technologies.

## Net-zero product lifecycle



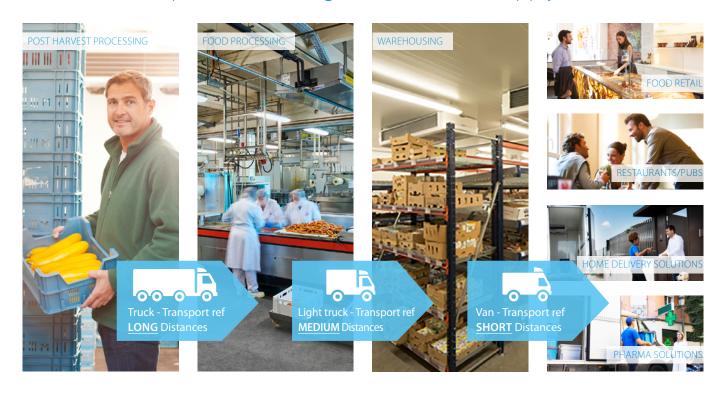




# We know refrigeration inside out

- We have over 100 years of experience in the Refrigeration business.
- We can meet all refrigeration needs from farm to fork, thanks to our wide range of refrigeration products.
- Innovative and reliable own technology and expertise on refrigerants, controls and compressors!
- Your advisor for solutions to meet your needs in line with legislation (F-gas regulation, ecodesign,...) and with focus on reliability, safety, Total Equivalent Warming Impact (see page 7) and running cost.

# Controlled temperatures throughout the whole supply chain



# We can meet all refrigeration needs from farm to fork

Our extended product line-up is able to provide solutions for:

































# Daikin Refrigeration - United in cold



Hubbard Products Ltd., is one of the UK's leading designers, manufacturers and suppliers of commercial cooling equipment and has earned an enviable Global reputation for innovation and designled excellence.

# DAIKIN

### **Daikin Chemicals**

Daikin Chemicals is one of the world's foremost manufacturer of fluorochemical products and is a leading expert in that field. We strive to find new possibilities for living and industry by making the most of fluorine characteristics using our own exclusively developed technologies.



Daikin Europe N.V. is a major European producer of air conditioners, heating systems and refrigeration equipment, with approximately 5,500 employees throughout Europe and major manufacturing facilities based in Belgium, the Czech Republic, Germany, Italy, Turkey and the UK. Globally, Daikin is renowned for its pioneering approach to product development and the unrivalled quality and versatility of its integrated solutions.



AHT develops, manufactures and sells refrigerating and freezing showcases specifically suited for food retailers. Leading the "plug-in" type showcases segment, AHT leads the market by the active launch of new products corresponding to evolving store layouts. Furthermore, utilizing its technological capabilities and business resources, AHT serves large accounts which include major food retail chains worldwide.





Tewis is a leading company in the design and engineering of refrigeration systems. Along with their expertise in customising controls (including monitoring), Tewis offers total comprehensive solutions for Refrigeration and Climate applications. Over the last few years, Tewis has focused on developing a range of CO<sub>2</sub> based refrigeration systems and has established a long-lasting relationship with key Spanish and Portuguese food retailers. Its mission and philosophy to date has been to achieve high reliability and realise remarkable energy savings for their customer base.



Zanotti is a refrigeration specialist founded in 1962. With over 50 years of experience in food storing services covering the needs of commercial and industrial refrigeration, but also the needs of the transportation of fresh and frozen products. Zanotti changed the refrigeration world from the early days with the introduction of the Uniblock, an all in one plug and play refrigeration unit for cold rooms. Today they employ more than 600 people, with three production facilities and an annual turnover of approx 130 million Euro.

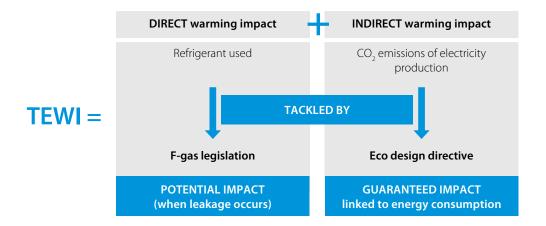


# Meeting customer needs!

Depending on type of application, location and customers interest/values, the optimal refrigeration solution for the customer can potentially be different! **Thanks to our wide product portfolio, Daikin can offer what a customer really needs!** 

The DNA of our Advice is:

- Safety and Reliability
- Reducing the Total Equivalent Warming Impact (TEWI)



Reduction of  $CO_2$  emissions is one of the main priorities for the future. A refrigeration plant's global warming effect is the combination of the possible refrigerant losses (Direct warming impact) and the  $CO_2$  emissions caused by electricity production (Indirect warming impact). Country per country situation is different, however on average in Europe  $CO_2$  release at energy production is quite high (average 0.45kg/kwh of Electrical Energy)! Due to this, there is a significant greenhouse effect over the lifetime of the refrigeration plant and efficiency is thus one of the crucial focus points in reducing TEWI! When various refrigeration solutions are being compared it is thus important to take into account both aspects as in some cases optimizing the direct warming impact (eg: changing refrigerant) will have an opposite effect on the indirect warming impact!

# **▼** Reducing your running cost

Through focus on reliability & quality, through extensive testing on each product, and energy efficiency our aim is to reduce your operational cost to the absolute minimum!



























# Zanotti

# Touch control

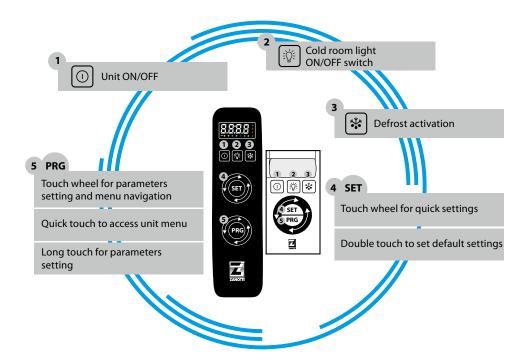
Zanotti presents the new "Touch Screen" control panel for GM monobloc units and GS split units. This new one User interface consists of keypad and display and allows easy access to all manual functions of the units.

The control of the refrigeration cycle, switching the unit on and off, the lighting in the cold room, activating the manual defrost process and setting the parameters are the features that are more intuitive with the new keyboard.



GM Monoblock Unit

GS Split Unit



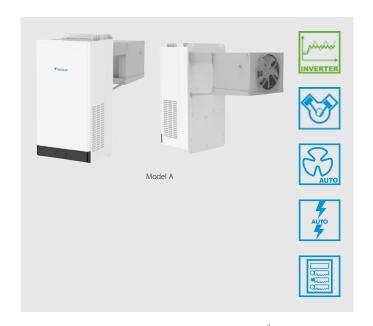
# for two units in a cold storage cell ALTERNATIVE REMOTE CONTROL

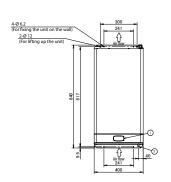
- > For cold rooms where it is required by law to maintain a certain temperature (Products for hospitals, Pharmaceutical products) for safety and control it is necessary to install 2 units in the same cold room, so that they can always be working in alternate hours when one is off, the other unit is working.
- If an aggregate in full function gets blocked, the second aggregate starts automatically. When the temperature for remote controls with thermostat is not achieved for a certain period of time (product feed, open cell door for longer period of time,...), the unit changes into the standby function.
- Remote control for two aggregates.
   Adjustable timer for alternate operation.
- In case of device failure of one the refrigeration units, the control can be switched on the other unit nearby. Alarm message through Lamp and buzzer.
- Thermostat for Safety at high Temperatures in the cold room (only with models with Thermostat).

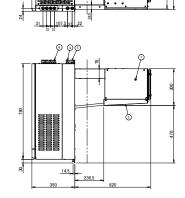
# Inverter Monoblock for Refrigeration | Model A

## Standard equipment

- > Inverter driven hermetic reciprocating compressor
- > 50/60 Hz power supply
- → **C** € certified
- > Microchannel condenser
- > Filter dryer
- > Condenser fan ON/OFF controlled by temperature probe
- > Electronic thermal expansion valve
- > Condensate evaporation tray
- > Hot gas defrost
- > Propane refrigerant charge => 150gr
- > Electronic control board
- > Electrical switchboard with protection fuses
- > Fixed calibration HP switch with automatic reset
- > Automatic elimination of condensation water
- > 5 m cable for power supply
- > 2 m cold room lighting cable (Light bulb and bulb as option)
- > 5 m micro-switch door cable (Microswitch as option)
- > 5 m cable for door heater







More details and final information can be found by scanning or clicking the QR codes.

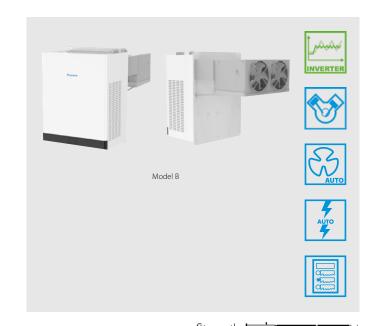
LMSEY

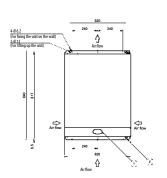
	LMSEY1	A-AVM01	LMSEY1A09AVM01	LMSEY1A13AVM01					
Dimensions of the unit	Height	mm	780	0					
	Depth	mm	970	0					
	Width	mm	400	0					
Dimensions of the packaged	Height	mm	1,03	30					
unit	Depth	mm	1,05	50					
	Width	mm	500	0					
Weight of the unit	Weight	kg	52	!					
Weight of the packaged unit	Weight	kg	66						
Characteristics of the hole	Height	mm	33!	5					
where to accommodate the units (through the wall installation	Width	mm	37:	5					
Characteristics of the holes	Height	mm	83	<b>,</b>					
where to accommodate the units (straddle installation)	Width	mm	43						
Refrigerant	Туре		R29						
	GWP		3						
N° of circuits	Charge per circuit	kg	1						
Refrigerant	Voltage/phase/frequency	V/ph/Hz	0.1	5					
Power supply			230/1/5						
Voltage range (Min/Max)		V	207V/253V						
Rated input power		W	807 (MT) / 523 (LT)	1,103 (MT) / 750 (LT)					
Rated input current		A	3,593 (MT) / 2,357 (LT)	4,912 (MT) / 3,380 (LT)					
MCA (Max Current Amps)		A	5.9	7.6					
MFA (Max Fuse Amps)		A	15						
TOCA (Total overcurrent Amp	s)	A	9.3						
Compressor	Type	m³/h	Hermetic reciprocat						
Air flow rate condenser (1)		m³/h	55!						
Air flow rate evaporator (1)			593						
Air throw evaporator (2)		m	9.6	5					
PED category			1						
IP category			20						
Defrost	Type		Hot o						
Operating sound pressure (3)		dBA	39.	4					
Operation range ambient tem	np. Min	°C	5						
	Max	°C	45						
Operation range cold room te	mp. Min	°C	-25						
	Max	°C	10						

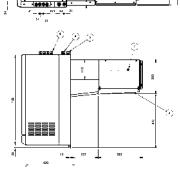
# Inverter Monoblock for Refrigeration | Model B

# Standard equipment

- > Inverter driven hermetic reciprocating compressor
- > 50/60 Hz power supply
- → **C** € certified
- > Microchannel condenser
- > Filter dryer
- > Condenser fan ON/OFF controlled by temperature probe
- > Electronic thermal expansion valve
- > Condensate evaporation tray
- > Hot gas defrost
- > Propane refrigerant charge (each circuit) => 130gr
- > Electronic control board
- > Electrical switchboard with protection fuses
- > Fixed calibration HP switch with automatic reset
- > Automatic elimination of condensation water
- > 5 m cable for power supply
- > 2 m cold room lighting cable (Light bulb and bulb as option)
- > 5 m micro-switch door cable (Microswitch as option)
- > 5 m cable for door heater







Air flow

More details and final information can be found by scanning or clicking the QR codes.

LMSEY

	LMSEY	2A-AYE01	LMSEY2A19AYE01	LMSEY2A25AYE01
Dimensions of the unit	Height	mm	780	
	Depth	mm	1,040	)
	Width	mm	620	
Dimensions of the packaged	Height	mm	1,030	)
unit	Depth	mm	1,120	
	Width	mm	720	
Weight of the unit	Weight	kg	83.5	
Weight of the packaged unit	Weight	kg	107.5	
Characteristics of the hole	Height	mm	335	
where to accommodate the units (through the wall installation	Width	mm	595	
Characteristics of the holes	Height	mm	177	
where to accommodate the units (straddle installation)	Width	mm	43	
Refrigerant	Туре		R290	)
	GWP		3	
N° of circuits	Charge per circuit	kg	2	
Refrigerant	Voltage/phase/frequency	V/ph/Hz	0.13	
Power supply			400/3/50	0-60
Voltage range (Min/Max)		V	360V/4	40V
Rated input power		W	1,765 (MT) / 1,208 (LT)	2,275 (MT) / 1,563 (LT)
Rated input current		A	4,645 (MT) / 3,179 (LT)	5,987 (MT) / 4,113 (LT)
MCA (Max Current Amps)		A	11.3	14.6
MFA (Max Fuse Amps)		A	25	
TOCA (Total overcurrent Amp	s)	A	18.5	
Compressor	Туре	m³/h	Hermetic reciprocatir	
Air flow rate condenser (1)		m³/h	939	
Air flow rate evaporator (1)			1,114	
Air throw evaporator (2)		m	9.6	
PED category				
IP category			20	
Defrost	Туре		Hot g	
Operating sound pressure (3)		dBA	43.9	
Operation range ambient tem		°C	5	
	Max	°C	45	
Operation range cold room te		°C	-25	
	Max	°C	10	



# Monoblock units suitable for container

### Main Characteristics

- > Hermetic compressor
- > Outdoor installation frame
- > Power supply 220-230/1N~/50 or 380-400/3N~/50
- > Ari + Axial fan
- > Condenser fan pressure switch (frame 1, 2, 3 only)
- Condenser fan pressure controlled fan speed regulator (frame 4, 5, 6 only)
- > Prearrangement for supervision system (frame 4, 5, 6 only)
- > Voltage monitor (frame 4, 5, 6 only)
- > Filter dryer on liquid line
- > Four-pole condenser fan
- > Expansion through capillary tube (expansion valve only in dual-temperature units)
- > Separator/accumulator on suction line
- > Condensate water evaporation drip tray
- > Hot gas defrost
- > Refrigerant charge
- > Electronic controller
- > Switchboard with protection fuses
- > Condenser fan pressure switch
- > Adjustable Lp switch with automatic reset
- > Adjustable Hp switch with automatic reset
- > 100mm insulated panel for wall mounting
- > Crankcase heater
- > Double defrost solenoid valve
- > External power supply plug
- > 1m cold room lighting cable
- > 3m door micro-switch cable
- > Cataphoresis for condenser coil
- > Cataphoresis for evaporator coil





### **Cooling capacity calculation conditions**

Medium temperature units: [TC=0°C | TA=30°C] Low temperature units: [TC=-20°C | TA=30°C] Dual-temperature units: [TC=-20°C | TA=30°C]

				٨	Aedium temp	erature un	ts			Low t	emperature	units
		MAS106EA23XH	MAS107EA23XI	MAS211EA23XH	MAS320EB23XH	MAS430EB24TH	MAS535EB24TH	MAS545EB24TH	MAS660EB24TH	BAS110DA23XH	BAS112DA23XH	BAS117DA23XH
Refrigerant					R13	34a					R452A	
Power supply	V/Ph~/Hz	2	220-230/1N~/50 380-400/3N~/50						230/1N~/50			
HP compressor		3/4	1	1.2	3.5	5	6.5	8.5	10	1	1.2	1.7
Defrost							Hot gas					
PED category				0		1		2			0	
Working temperature	°C		+10 ÷ -5						-15 ÷ -25			
Cooling capacity	Watt	1,140	1,422	1,816	3,492	4,981	6,988	8,290	10,424	662	905	1,164

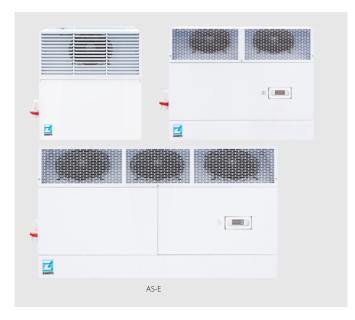
				Low t	emperature	units				Dual-tempe	rature units	
		BAS218DA23XH	BAS320DB23XH	BAS330DB23XH	BAS445DB24TH	BAS450DB24TH	BAS560DB24TH	BAS680DB24TH	PAS330DB23XH	PAS450DB24TH	PAS565DB24TH	PAS695DB24TH
Refrigerant							R452A					
Power supply	V/Ph~/Hz	230/1N~/50	√√50 400/3N~/50									
HP compressor		1.7	2	2 3 4 5 7.5 10 3 5 7.5 10							10	
Defrost							Hot gas					
PED category		0	0	0			2		0		2	
Working temperature	°C			-15 ÷ -25 +10 ÷ -5 -15 ÷ -25								
Cooling capacity	Watt	1,436	2,384	2,581	3,628	4,541	6,689	8,663	2,581	4,541	6,689	8,663



# Monoblock units suitable for products storage in mobile cold rooms

### Main Characteristics

- > Scroll compressor
- > Outdoor installation frame
- > Power supply 380-400/3N~/50
- > Air + Axial fan
- > Condenser fan pressure switch (frame 3 only)
- Condenser fan pressure controlled fan speed regulator (frame 4, 5, 6 only)
- > Prearrangement for supervision system
- > Voltage monitor
- > Filter dryer on liquid line
- > Four-pole condenser fan
- > Expansion through capillary tube (expansion valve only in dual-temperature units)
- > Separator/accumulator on suction line
- > Condensate water evaporation drip tray
- > Hot gas defrost
- > Refrigerant charge
- > Electronic controller
- > Switchboard with protection fuses
- > Condenser fan pressure switch
- > Adjustable Lp switch with automatic reset
- > Adjustable Hp switch with automatic reset
- > 100mm insulated panel for wall mounting
- > Crankcase heater
- Double defrost solenoid valve (from model 430 for MT / from model 450 for BT)
- > External power supply plug
- > 1m cold room lighting cable
- > 3m door micro-switch cable
- > Cataphoresis for condenser coil
- > Cataphoresis for evaporator coil



### **Cooling capacity calculation conditions**

Medium temperature units: [TC=0°C | TA=30°C] Low temperature units: [TC=-20°C | TA=30°C] Dual-temperature units: [TC=-20°C | TA=30°C]

					ı	Medium temp	perature unit	s			
		MAS320EB23TE	MAS430EB24TE	MAS535EB24TE	MAS545EB24TE	MAS660EB24TE	MAS320BB23TE	MAS430BB24TE	MAS535BB24TE	MAS545BB24TE	MAS660BB24TE
Refrigerant				R134a			R449A				
Supply voltage	V/Ph~/Hz		380-400/3N~/50								
HP compressor		4	6	7	9	10	2.3	3.5	4	6	7.5
Defrost						Hot	gas				
PED category			•	1		2		•			2
Working temperature	°C		+10 ÷ -5								
Cooling capacity	Watt	3,770	5,942	7,462	9,007	12,084	3,561	5,606	6,853	9,325	11,011

			Low	temperature	units			Dual-tempe	erature units		
		BAS330BB23TE	BAS450BB24TE	BAS555BB24TE	BAS560BB24TE	BAS680BB24TE	PAS330BB23TE	PAS450BB24TE	PAS565BB24TE	PAS695BB24TE	
Refrigerant						R449A					
Supply voltage	V/Ph~/Hz		380-400/3N~/50								
HP compressor		3.5	5	6	7.5	10	3.5	5	7.5	10	
Defrost						Hot gas					
PED category			1			2		1	2		
Working temperature	°C		-15 ÷ -25 +10 ÷ -5 -15 ÷ -25								
Cooling capacity	Watt	2,753	4,100	5,100	6,233	8,127	2,753	4,100	6,233	8,127	



# Monoblock units suitable for medium-large size cold rooms and freezing tunnels

## Extreme versatility of use, suitable for freezing tunnels

The RS series models are monoblock units characterized by extreme versatility of use, ideal for medium-large rooms.

- > Extreme versatility of use, low-medium temperatures, polyvalent temperatures and freezing tunnels
- > Suitable for different types of applications
- > Compact and highly resistant to any environmental condition
- > Solenoid valve and thermostatic valve for high efficiency
- > Control panel with electromechanical instrumentation for controlling all the functionalities of the machine





										The same		
Medium temperatur	e units	MRS150TEB23GXX	MRS245NEB23GXX	MRS245TEB2	3GXX MRS250N	EB23GXX	MRS250TEB23GXX	MRS251TEB23GXX	MRS351NEB23GXX	MRS351TEB23GXX		
Refrigerant						R134a	/R449A		,			
Power supply	V/Ph~/Hz					380-400	)/3N~/50					
Compressor type						Semi-h	ermetic					
HP compressor			5		12		15		25	30		
Defrost						Hot	t gas					
PED category			2									
Working temperature	°C					+10	÷-5					
Cooling capacity [TC=0°C   TA=30°C]	Watt	9,164	12,657	12,657 16,096 20,284 24,165 28,414 35,852						40,837		
Medium temperatur	e units	MRS150TBB23GXX	B23GXX MRS245NBB23GXX MRS245TBB23GXX MRS250NBB23GXX MRS250TBB23GXX MRS251TBB23GXX MRS351NBB23GXX MRS351									
Refrigerant			R134a R449A									
Power supply	V/Ph~/Hz		380-400/3N~/50									
Compressor type			Semi-hermetic									
HP compressor		4	5	5 7.5 10 15 20 2					25	30		
Defrost			Hot gas									
PED category							2					
Working temperature						+10	÷ -5					
Cooling capacity [TC=0°C   TA=30°C]	Watt	10,068	14,408	17,858	23,6	530	26,544	26,114	35,976	38,891		
Low temperature un	its	BRS150NBB23GXX B	RS150TBB23GXX BRS	245NBB23GXX	BRS245TBB23GX)	BRS250N	IBB23GXX BRS250TBI	B23GXX BRS251TBB2	3GXX BRS351NBB23G	XX BRS351TBB23GXX		
Refrigerant			<u> </u>			R4	49A		·			
Power supply	V/Ph~/Hz					380-400	)/3N~/50					
Compressor type						Semi-h	ermetic					
HP compressor		7.5	10	12.5	15	2	20 25	30	40	50		
Defrost						Hot	t gas					
PED category							2					
Working temperature			-15 ÷ -25									
Cooling capacity [TC=-20°C   TA=30°C]	Watt	8,191	8,670	11,102	14,423	18	,531 21,34	14 23,648	31,599	35,030		
Freezing and dual-				Freezing				Dua	l-temperature			
temperature units		CRS150NBB23GX	X CRS150TBB23	GXX CRS25	ONBB23GXX	RS250T	BB23GXX PRS15	OTBB23GXX PRS	245TBB23GXX P	RS251TBB23GXX		
Refrigerant						R4	49A					
Power supply	V/Ph~/Hz					380-400	)/3N~/50					
C		I				C 1						



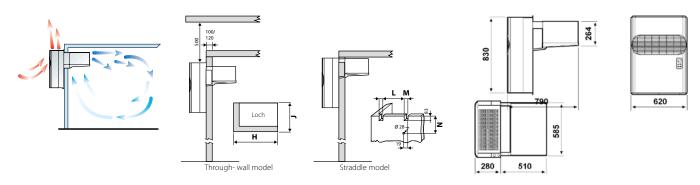
# Monoblock system for low and medium temperature refrigeration

# For wall mounted installation in small and medium sized cold rooms

- Rapid mounting on the wall of the cold room by straddlemounting, which is ideal for new installations or through-wall mounting and refurbishment projects
- > Metallic grey coloured finish of the outdoor unit
- > The white colour of the evaporator blends unobtrusively with the cold room walls
- > Compressor compartment insulated with suitable soundproofing material to reduce sound levels
- Microchannel condensers available in order to reduce the refrigerant charge as much as possible and ensuring higher energy efficiency
- > The units are provided with a new generation control panel with an easy-to-use interface



# Installation type





Medium temperature	e units	MGM103EA11XA	MGM105EA11XA	MGM106EA11XA	MGM107EA11XA	MGM110EA11XA	MGM211EA11XA	MGM212EB11XA	MGM315EB11XA	MGM320EB11XA
Refrigerant						R134a				
Power supply	V/Ph~/Hz		220-230/1N~/50 380-400/3N~/50							
HP compressor		1/2	5/8	3/4	1	1.2	1.2	2.3	3	3.5
Defrost						Hot gas				
PED category						0				
Working temperature	°C					+10 ÷ -5				
Cooling capacity	Watt	855	978	1,120	1,315	1,351	1,806	2,034	3,079	3,351

			I = =====		T =	I		I			
Low temperature uni	its	BGM110DA11XA	BGM112DA11XA	BGM117DA11XA	BGM218DA11XA	BGM220DB11XA	BGM320DB11XA	BGM330DB11XA	BGM340DB11XA		
Refrigerant			R452A								
Power supply	V/Ph~/Hz		220-230/1N~/50 380-400/3N~/50								
HP compressor		1	1.2	1.7	1.7	2 3					
Defrost					Hot	gas					
PED category						0					
Working temperature	°C		-15 ÷ -25								
Cooling capacity [TC=-20°C   TA=30°C]	Watt	679	889	1,155	1,429	1,688	2,491	2,701	3,160		



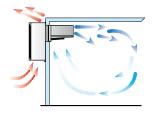
# Monoblock system for low and medium temperature refrigeration

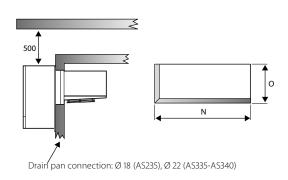
## For wall mounted installation in medium sized cold rooms

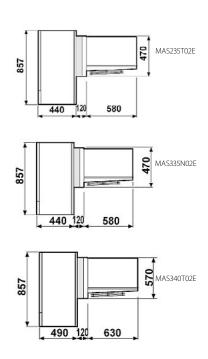
- Rapid mounting on the wall of the cold room by through-wall mounting
- > Extremely fast to assemble, reducing installation time and cost
- > The white colour of the evaporator blends unobtrusively with the cold room walls
- > Very compact and very efficient
- Remote electronic command station with easy-to-use user interface programmable according to various system requirements
- > Low temperature models are available. Please contact your local dealer



## Installation type









			Medium tem	perature units		Low temperature units				
		MAS430EB13XX	MAS535EB13XX	MAS545EB13XX	MAS660EB13XX	BAS450DB13XX	BAS560DB13XX	BAS680DB13XX		
Refrigerant			R13	34a	R452A					
Power supply	V/Ph~/Hz				380-400/3N~/50					
HP compressor		5	6.5	8.5	10	5	7.5	10		
Defrost					Hot gas					
PED category		1			:	2				
Working temperature	°C				+10 ÷ -5					
Cooling capacity [TC=0°C   TA=30°C]	Watt	4,981	81 6,988 8,290 10,424 -							
Cooling capacity [TC=-20°C   TA=30°C]	Watt			-		4,541	6,689	8,663		



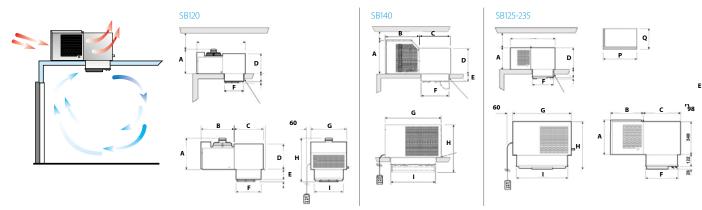
# Monoblock system for low and medium temperature refrigeration

# For roof mounted installation in small and medium sized cold rooms

- > Rapid mounting on the roof of the cold room
- > Ceiling assembly leaves the space inside the cold room completely free
- > The white colour of the evaporator blends unobtrusively with the cold room walls
- > Extremely fast to assemble, reducing installation time and cost
- > Best surface-to-capacity ratio
- > Remote electronic command station with easy-to-use user interface programmable according to various system requirements



# Installation type





Medium temperatur	e units	MSB005EA11XX	MSB106EA11XX	MSB107EA11XX	MSB210EA11XX	MSB212EB11XX	MSB315EB11XX	MSB320EB11XX	MSB425EB11XX	MSB530EB13XX
Refrigerant						R134a				
Power supply	V/Ph~/Hz		220-230/1N~/50 380-400/3N~/50							
HP compressor		5/8	3/4	1	1.2	2.3	3	3.5	4	5
Defrost			Hot gas							
PED category						)				1
Working temperature	°C					+10 ÷ -5				
Cooling capacity [TC=0°C   TA=30°C]	Watt	857	1,120	1,338	1,799	2,022	3,282	3,550	3,774	4,871

Low temperature un	its	BSB010DA11XX	BSB117DA11XX	BSB220DB11XX	BSB330DB11XX	BSB440DB11XX	BSB545DB13XX	BSB550DB13XX	
Refrigerant			R452A						
Power supply	V/Ph~/Hz	220-230	20-230/1N~/50 380-400/3N~/50						
HP compressor		3/4	1.7	2	3	3.5 4 5			
Defrost					Hot gas				
PED category				0			2		
Working temperature	°C				-15 ÷ -25				
Cooling capacity	Watt	628	1,162	1,699	2,596	3,097	3,890	4,849	



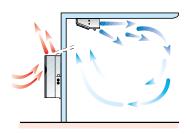
# Refrigeration split type units designed for use in small to medium rooms

## Condensing unit for wall mounted installation

- > Wide versatility of installation of condensing part and evaporating part
- > Condensing part body with metallic grey finishing
- > The white color of the evaporator part blends discreetly with the walls of the cold room
- > Compressor compartment is ready to be insulated with suitable sound-absorbing material to reduce noise levels
- > Micro-channel condensers available to reduce the refrigerant charge as much as possible and ensure higher energy efficiency



# Installation type





Medium temperature	units	SB.MGS103EA12XX	SB.MGS105EA12XX	SB.MGS106EA12XX	SB.MGS107EA12XX	SB.MGS110EA12XX	SB.MGS211EA12XX	SB.MGS212EB12XX	SB.MGS315EB13XX	SB.MGS320EB13XX
Refrigerant			R134a							
Power supply	V/Ph~/Hz		220-230/1N~/50 380-400/3N~/5							0
HP compressor		1/2	5/8	3/4	1	1	.2	2.3	3	3.5
Defrost						Electric				
PED category						0				
Working temperature	°C					+10 ÷ -5				
Cooling capacity [TC=0°C   TA=30°C]	Watt	855	978	1,120	1,315	1,351	1,806	2,034	3,079	3,351

Low temperature uni	its	SB.BGS110DA12XX	SB.BGS112DA12XX	SB.BGS117DA12XX	SB.BGS218DA12XX	SB.BGS220DB12XX	SB.BGS320DB13XX	SB.BGS330DB13XX	SB.BGS340DB13XX	
Refrigerant					R4:	52A				
Power supply	V/Ph~/Hz		220-230	)/1N~/50			380-400/3N~/50			
HP compressor		1	1.2	1	.7	2	2	3	4	
Defrost					Elec	ctric				
PED category					0				2	
Working temperature	°C				-15 -	÷ -25				
Cooling capacity [TC=-20°C   TA=30°C]	Watt	679	889	1,155	1,429	1,688	2,491	2,701	3,160	



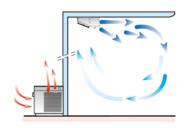
# Refrigeration split type units suitable for small-medium cold rooms

# Condensing unit for floor standing or roof mounted installation

- > Condensing unit for floor or roof installation and evaporator for ceiling mounting
- > Extremely quick mounting thanks to the quick coupling joints
- > Reduced installation times and costs
- > Best surface-capacity ratio



# Installation type



More details and final information can be found by scanning or clicking the QR codes.



SP-O

Medium temperature	units	SB.MSP106EA12XX	SB.MSP107EA12XX	SB.MSP212EA12XX	SB.MSP315EB13XX	SB.MSP320EB13XX
Refrigerant				R134a		
Power supply	V/Ph~/Hz		220-230/1N~/50		380-400	/3N~/50
HP compressor		3/4	1	1.2	3	3.5
Defrost				Electric		
PED category				0		
Working temperature	°C			+10 ÷ -5		
Cooling capacity [TC=0°C   TA=30°C]	Watt	1,140	1,422	1,816	3,188	3,492

Low temperature un	its	SB.BSP110DA12XX	SB.BSP112DA12XX	SB.BSP117DA12XX	SB.BSP218DA12XX	SB.BSP220DB12XX	SB.BSP320DB13XX	SB.BSP330DB13XX	
Refrigerant			R452A						
Power supply	V/Ph~/Hz		220-230/1N~/50 380-400/3N~/5					0	
HP compressor		1	1.5	1	.7	2 3			
Defrost					Electric				
PED category					0				
Working temperature	°C				-15 ÷ -25				
Cooling capacity	Watt	662	905	1,164	1,436	1,719	2,384	2,581	

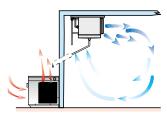


# Split units suitable for outdoor installation and for small-medium cold rooms

# Condensing unit for floor standing or roof mounted installation

- > Condensing unit for floor or roof installation and evaporator for ceiling mounting
- > Thermostatic expansion valve for an optimal refrigerant flow rate and for higher energy efficiency
- > Extremely quick mounting thanks to the quick coupling joints
- > Reduced installation times and costs
- > Best surface-capacity ratio

# Installation type





More details and final information can be found by scanning or clicking the QR codes.



Medium temperatur	e units	SB.MDB106EA12XX	SB.MDB107EA12XX	SB.MDB212EB12XX	SB.MDB315EB13XX	SB.MDB320EB13XX	SB.MDB425EB13XX		
Refrigerant				R13	34a				
Power supply	V/Ph~/Hz		220-230/1N~/50			380-400/3N~/50			
HP compressor		3/4	3/4 1 1.2 3 3.5						
Defrost			Electric						
PED category					1				
Working temp.	°C			+10	÷ -5				
Cooling capacity [TC=0°C   TA=30°C]	Watt	1,140	1,422	1,816	3,188	3,492	3,948		
Cooling capacity [TC=-20°C   TA=30°C]	Watt				-				

Medium temperatur	re units	SB.MDB530EB13XX	SB.MDB635EB13XX	SB.MDB645EB13XX	SB.MDB706EB13XX	SB.MDB707EB13XX
Refrigerant				R134a		
Power supply	V/Ph~/Hz			380-400/3N~/50		
HP compressor		3.7	4.8	6.3	7.4	9.5
Defrost				Electric		
PED category				2		
Working temp.	°C			+10 ÷ -5		
Cooling capacity [TC=0°C   TA=30°C]	Watt	5,070	7,293	8,779	11,014	14,069
Cooling capacity	Watt					

Low temperature un	its	SB.BDB110DA12XX	SB.BDB112DA12XX	SB.BDB117DA12XX	SB.BDB218DA12XX	SB.BDB220DB12XX	SB.BDB320DB13XX	SB.BDB330DB13XX		
Refrigerant										
Power supply	V/Ph~/Hz		220-230/1N~/50 380-400/3N~/50							
HP compressor		1	1 1.5 1.7 2 3							
Defrost			Electric							
PED category					1					
Working temp.	°C				-15 ÷ -25					
Cooling capacity [TC=0°C   TA=30°C]	Watt		-							
Cooling capacity [TC=-20°C   TA=30°C]	Watt	662	905	1,164	1,436	1,719	2,384	2,581		

Low temperature un	its	SB.BDB440DB13XX	SB.BDB445DB13XX	SB.BDB550DB13XX	SB.BDB660DB13XX	SB.BDB680DB13XX	SB.BDB710DB13XX	SB.BDB713DB13XX	
Refrigerant					R452A				
Power supply	V/Ph~/Hz		380-400/3N~/50						
HP compressor		3.5	4	3.7	5.5	7.5	9.6	11	
Defrost					Electric				
PED category					2				
Working temp.	°C				-15 ÷ -25				
Cooling capacity [TC=0°C   TA=30°C]	Watt				-				
Cooling capacity [TC=-20°C   TA=30°C]	Watt	3,283	3,604	4,925	7,492	8,940	11,537	12,735	

\* Only for external use



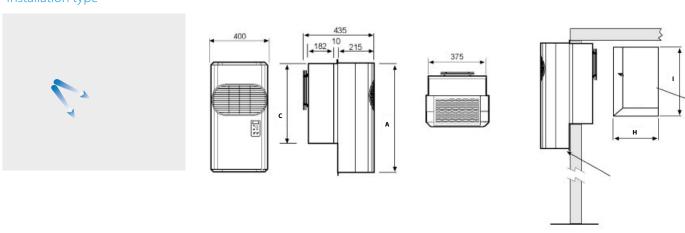
# Monoblock units for wine application

# Monoblock system suitable for through-wall installation

- > Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
- > Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
- > Electronic controller managing both temperature and humidity of the cold room



# Installation type





		DCV402FA42C2	DCV10FF A1262	DCV20CEA12C2	DCV207F412C2				
		RCV103EA12S3	RCV105EA12S3	RCV206EA12S3	RCV207EA12S3				
Refrigerant			R13	34a					
Power supply	V/Ph~/Hz		220-230	/1N~/50					
HP compressor		1/3	3/8	1/2	3/4				
PED category			0						
Working temperature	°C		+20 -	÷ +10					
Range RH	%		60-	-80					
Cooling capacity [TC=10°C   TA=30°C]	Watt	593	912	1,336	1,935				



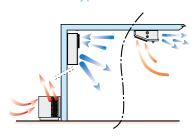
# Bi-block system for wine application

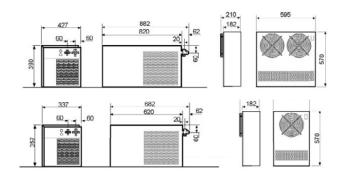
# Compact condensing unit and small-sized wall or ceiling mounted evaporators

- Accurate humidity and temperature control to guarantee the quality of products (e.g. wines)
- Thermostatic expansion valve ensuring optimum capacity in accordance with the required load for better energy efficiency
- > Integrated humidifier available depending on model to have one unit which covers it all: perfect humidity & temperature control
- > Electronic controller managing both temperature and humidity of the cold room



# Installation type







		SB.RDV103EA12S3	SB.RDV105EA12S3	SB.RDV206EA12S3	SB.RDV207EA12S3	SB.RDV103EA12S7	SB.RDV105EA12S7	SB.RDV206EA12S7	SB.RDV207EA12S7	
Refrigerant			R13	84a		R134a				
Power supply	V/Ph~/Hz		220-230/1N~/50 220-230/1N~/50							
HP compressor		1/3	3/8	1/2	3/4	1/3	3/8	1/2	3/4	
Evaporator type			Wall mounting evaporator				Ceiling mounting evaporator			
PED category			•	1		1				
Working temperature	°C		+20 -	÷ +10			+20	÷ +10		
Range RH	%		60-80				60-80			
Cooling capacity [TC=10°C   TA=30°C]	Watt	593	912	1,336	1,935	593	912	1,336	1,935	





# Monoblock and bi-block units for drying and ageing of meat and cheese

### For small and medium size coldrooms

- > Quick and easy installation
- > Low noise and vibration
- > Electronic control
- > Constant and detailed control of temperature and humidity level during operation
- > Compact and functional, with removable panels to allow easy access to internal components
- > More units available suitable for large coldrooms



# SAS: Drying and ageing units for small and medium cold rooms

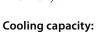
> Coldroom temperature: +10°C to +25°C

> Humidity: till 60%

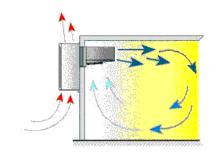
# SAR: Units for post-salting resting of hams for small and medium cold rooms

> Coldroom temperature: +2°C to +4°C

> Humidity: till 40%



> from 2,900 to 15,900 Watt



			Monoblock units										
SAR		SAR212DB13SM	SAR320DB13SM	SAR430DB13SM	SB.SAR212DB13SS	SB.SAR320DB13SS	SB.SAR430DB13SS						
Refrigerant	R452A R452A												
Power supply	V/Ph~/Hz		380-400/3N~/50 380-400/3N~/50										
HP compressor		1.5	2	4	1.5	2	4						
Defrost			Hot gas		Hot gas								
PED category			1	2	1 2								
Working temperature	°C		+10 ÷ -5 +										
Range RH	%		40-60		40-60								
Cooling capacity [TC=10°C   TA=30°C]	Watt	2,900	4,500	7,250	7,250 2,900 4,500								

			M	onoblock un	its		Bi-block units							
SAS		SAS212EB10SM	SAS320EB10SM	SAS430EB10SM	SAS545EB10SM	SAS660EB10SM	SB.SAS212EB10SS	SB.SAS320EB10SS	SB.SAS430EB10SS	SB.SAS545EB10SS	SB.SAS660EB10SS			
Refrigerant						R1:	34a							
Power supply	V/Ph~/Hz					380-400	)/3N~/50							
HP compressor		1	1.5	3	5	7.5	1	1.5	3	5	7.5			
Drying	m³	5	11	23	36	45	5	11	23	36	45			
Drying	kg	200	400	600	950	1,200	200	400	600	950	1,200			
Ageing	m³	20	40	70	125	160	20	40	70	125	160			
Ageing	kg	600	1,000	2,000	3,000	4,000	600	1,000	2,000	3,000	4,000			
PED category			1		2			1		2				
Working temperature	°C					+25	÷ +10							
Range RH	%		60-80											
Cooling capacity [TC=10°C   TA=30°C]	Watt	3,400	4,900	8,200	12,800	15,900	3,400	4,900	8,200	12,800	15,900			



# Air Handling Units for industrial drying

### Main Characteristics

- > Frascold semihermetic compressor + Thermal overload protection
- > Power supply 380-400/3N~/50
- > Air + Axial fan (remote)
- Embedded main electrical switchboard and remote control panel with Vision Touch controller + switch to select static/ventilated evaporator
- > Hot gas defrost
- > Magnetothermal switches
- > Liquid line predisposition for connection to static evaporators
- > Cataphoresis to the evaporator and heat recovery coil
- > Remote air cooled condenser
- > Soft start on centirfugal fan (starting from 15HP unit)
- > Liquid Receiver + Liquid receiver shut off valves
- > Safety valve
- > Filter dryer
- > Sight glass
- > Four-pole condenser fan
- > Thermostatic valve expansion
- > Evaporator centrifugal fan
- > Air suction duct
- > Condensing unit with refrigerant charge
- > Switchboard with automatic switches
- > Adjustable calibration Hp switch with manual reset
- > Adjustable calibration Lp switch with automatic reset
- > Pressure controlled condenser fan speed regulator
- > Humidity control during dehumidification with heat recovery
- > Temperature control in hot with electric heaters
- > Humidity control in humidification with automatic water supply
- > Crankcase heater
- > Fresh air intake
- > Evaporator/heat recovery coil Copper/Aluminium with cataphoresis treatment
- > Heat recovery coil + heating with electrical heaters
- > Embedded main switchboard and remote control panel with Vision Touch Controller

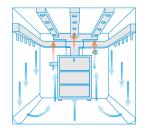


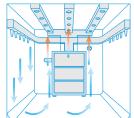
## Air distribution systems with textile channels

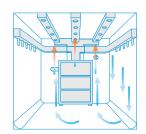
The UAV industrial drying units are equipped with large and efficient evaporators with centrifugal fan, capable of generating air flow from 1,500 to 14,600m<sup>3</sup>/h.

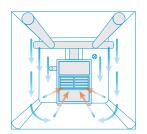
This allows, thanks to the special galvanized sheet T-shaped ducts designed according to the room dimensions, an optimized distribution of the treated air in the room suitable for the required process.

The T-shaped ducts are complete with motorized damper.









For customized options, please contact your sales representative.

										SB.UAV625 RBB12EAX		
Refrigerant					,	,	R449A	,				
Power supply	V/Ph~/Hz					38	30-400/3N~/	50				
HP compressor		2	3	4	5	7.5	10	15	20	25	30	35
Cold room volume	m³	20	30	40	60	75	90	130	160	180	200	250
Product quantity	kg	400	800	1,200	1,600	2,000	2,400	3,200	4,800	6,400	8,000	10,000
PED category							2					
Working temperature	°C						+25 ÷ +10					
Range RH	%						60-80					
Cooling capacity [TC=10°C   TA=30°C]	Watt	7,200	10,600	13,000	14,400	27,000	33,000	38,000	45,500	59,000	68,000	87,000



# Air handling units for industrial ageing

### Main Characteristics

- > Frascold semihermetic compressor + Thermal overload protection
- > Power supply 380-400/3N~/50
- > Air + Axial fan (remote)
- Embedded main electrical switchboard and remote control panel with Vision Touch controller + switch to select static/ventilated evaporator
- > Hot gas defrost
- > Magnetothermal switches
- > Liquid line predisposition for connection to static evaporators
- > Cataphoresis to the evaporator and heat recovery coil
- > Remote air cooled condenser
- > Soft start on centirfugal fan (starting from 15HP unit)
- > Liquid Receiver + Liquid receiver shut off valves
- > Safety valve
- > Filter dryer
- > Sight glass
- > Four-pole condenser fan
- > Thermostatic valve expansion
- > Evaporator centrifugal fan
- > Air suction duct
- > Condensing unit with refrigerant charge
- > Switchboard with automatic switches
- > Adjustable calibration Hp switch with manual reset
- > Adjustable calibration Lp switch with automatic reset
- > Pressure controlled condenser fan speed regulator
- > Humidity control during dehumidification with heat recovery
- > Temperature control in hot with electric heaters
- > Humidity control in humidification with automatic water supply
- > Crankcase heater
- > Fresh air intake
- > Evaporator/heat recovery coil Copper/Aluminium with cataphoresis treatment
- > Heat recovery coil + heating with electrical heaters
- > Embedded main switchboard and remote control panel with Vision Touch Controller

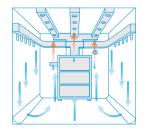


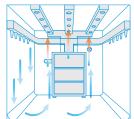
## Air distribution systems with textile channels

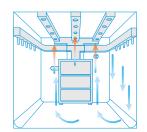
The USV industrial drying units are equipped with large and efficient evaporators with centrifugal fan, capable of generating air flow from 1,500 to 14,600m<sup>3</sup>/h.

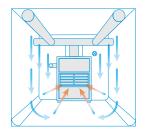
This allows, thanks to the special galvanized sheet T-shaped ducts designed according to the room dimensions, an optimized distribution of the treated air in the room suitable for the required process.

The T-shaped ducts are complete with motorized damper.









# For customized options, please contact your sales representative.

				SB.USV204 RBB12EAX								
Refrigerant		I I I I I I I I I I I I I I I I I I I	RODIZERIA	NODIZZAK	ILDDIZENA	ILDDIZENA	R449A	IIIDDIZEIIX	INDUILLIN	IIIDD IZ EMA	IIIDD IZ EJIJA	INDUILLIAN
Power supply	V/Ph~/Hz					38	30-400/3N~/	50				
HP compressor		2	3	4	5	7.5	10	15	20	25	30	35
Cold room volume	m <sup>3</sup>	75	90	120	180	225	240	390	490	550	680	800
Product quantity	kg	1,200	2,400	3,600	5,400	7,200	9,000	10,800	14,400	19,200	24,000	30,000
PED category							2					
Working temperature	°C						+25 ÷ +10					
Range RH	%						60-80					
Cooling capacity [TC=10°C   TA=30°C]	Watt	7,200	10,600	13,000	14,400	27,000	33,000	38,000	45,500	59,000	68,000	87,000



# Condensing unit for commercial refrigeration with reciprocating technology

## Refrigeration solution for small food retailers

- > Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- > Compact and lightweight for even the smallest of city centre locations
- > All components can be accessed, making maintenance quick and easy
- > Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- > The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- > Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact







by scanning													JEHCC				JEHCCU	
Medium Tempera				JEHCCU-CM			0050CM1			0067CM1			0100CM1	0113CM1	0140CM1	0170CM1	0140CM3	0170CM
Refrigerating capacity		temperatur		Nom	kW	0.59	- 0.00	0.89	1.06	1.07	1.29	1.60	1.22	166	1.00	-	100	-
	(1)		R-407A R-407F	Nom	kW kW	-	0.80	1	-	1.07		-	1.33	1.66	1.92	-	1.92	-
			R-448A	Nom Nom	kW	-	0.86		-	1.15		-	1.41	1.74 1.64	2.08	2.57	2.08	2.57
			R-448A R-449A	Nom	kW	-	0.87		-	1.12		-	1.35	1.64	2.15	2.57	2.15	2.57
			R-452A	Nom	kW	-	0.87		-	1.12		-	1.48	1.79	2.15	2.57	2.15	2.57
Seasonal energy	R-134a	Te -10°C	K-452A	Nom	KVV	1.50	0.95	1,77	1.77	1.23	1.85	100	1.48	1.79	2.20	2.69	2.20	2.69
	R-407A						1.59	1.77	1.77	162	1.03	1.86	166	1.78	1.74	-	1.66	-
performance ratio		Te -10°C				-			-	1.62		-	1.66			-		-
SEPR	R-407F	Te -10°C				-	1.77			1.76			1.77	1.85	1.93		1.85	
	R-448A R-449A	Te -10°C				-	1.66	-	-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
	R-449A R-452A	Te -10°C				-	1.66		-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
						-	1.67		-	1.67		-	1.68	1.73	1.92	1.65	1.83	1.73
Parameters at full	R-134a	Te -10°C		I COP (COP2)		1.84	-	2.01	2.05	-	2.22	2.30			-			-
load and ambient	R-407A	Te -10°C		I COP (COP2)		-	1.69		-	1.69		-	1.74	1.90	1.87	-	2.09	-
temp. 25°C	R-407F	Te -10°C		I COP (COP2)		-	1.93		-	1.94		-	1.95	2.07	2.22	-	1.78	-
	R-448A	Te -10°C		I COP (COP2)		-	1.91		-	1.90		-	1.89	1.95	2.42	1.93	2.11	2.01
	R-449A	Te -10°C		I COP (COP2)		-	1.91		-	1.90		-	1.89	1.95	2.42	1.93	2.32	2.01
•	R-452A	Te -10°C	Declared	I COP (COP2)		-	1.90		-	1.90		-	1.90	1.98	2.18	1.85	2.32	1.99
Parameters at full	R-134a	Te -10°C	Rated CC	P (COPA)		1.5	-	1.77	1.77	-	1.85	1.86		-		-	-	-
load and ambient	R-407A	Te -10°C	Rated CC			-	1.59		-	1.62		-	1.66	1.78	1.74	-	1.66	-
temp. 32°C	R-407F	Te -10°C	Rated CC				1.77		-	1.76		-	1.77	1.85	1.93	-	1.85	-
(Point A)	R-448A	Te -10°C	Rated CC				1.66		-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
_	R-449A	Te -10°C	Rated CC	,		-	1.66		-	1.64		-	1.64	1.71	2.09	1.73	2.00	1.76
	R-452A	Te -10°C	Rated CC				1.67		-	1.67		-	1.68	1.73	1.92	1.65	1.83	1.73
	R-134a	Te -10°C		ling capacity (PA)	kW	0.59	-	0.89	1.06	-	1.29	1.60		-		-	-	-
	R-407A	Te -10°C		ling capacity (PA)	kW	-	0.80		-	1.07		-	1.33	1.66	1.92	-	1.92	-
	R-407F	Te -10°C		ling capacity (PA)	kW	i -	0.86	1	-	1.15		_	1.41	1.74	2.08	-	2.08	-
	R-448A	Te -10°C		ling capacity (PA)	kW		0.87		-	1.12		-	1.35	1.64	2.15	2.57	2.15	2.57
	R-449A	Te -10°C		ling capacity (PA)	kW	-	0.87	1	-	1.12		-	1.35	1.64	2.15	2.57	2.15	2.57
	R-452A	Te -10°C		ling capacity (PA)	kW		0.95		_	1.23		_	1.48	1.79	2.20	2.69	2.20	2.69
	R-134a	Te -10°C		wer input (DA)	kW	0.39		0.50	0.60	-	0.70	0.86		-	LILU	-	-	-
	R-407A	Te -10°C		wer input (DA)	kW	-	0.50		-	0.66		-	0.80	0.94	1.11	-	1.16	-
	R-407F	Te -10°C		wer input (DA)	kW		0.49		_	0.65		_	0.79	0.94	1.07	-	1.12	-
	R-448A	Te -10°C		wer input (DA)	kW	-	0.53		-	0.68		-	0.82	0.96	1.03	1.49	1.08	1.46
	R-449A	Te -10°C		wer input (DA)	kW	<u> </u>	0.53	1	-	0.68		_	0.82	0.96	1.03	1.49	1.08	1.46
	R-452A	Te -10°C		wer input (DA)	kW		0.57		-	0.74		-	0.88	1.03	1.15	1.63	1.20	1.55
Parameters at full	R-134a	Te -10°C	Declared	COP (COP3)		1.42	-	1,40	1.40	-	1.49	1.50		-		-	-	-
load and ambient	R-407A	Te -10°C	Declared	COP (COP3)		-	1.42			-	-				1.56	-	1,47	-
temp. 43°C	R-407F	Te -10°C		COP (COP3)		-	1.46				-				1.58	-	1.49	-
(clip. 45 C	R-448A	Te -10°C		COP (COP3)			1.27		-	1.26		-	1.25	1.33	1.62	1.42	1.53	1.43
	R-449A	Te -10°C		COP (COP3)		-	1.27	1	-	1.26		-	1.25	1.33	1.62	1.42	1.53	1.43
	R-452A	Te -10°C		COP (COP3)			1.31		-	1.32		-	1.34	1.37	1.52	1.35	1.44	1.39
	R-134a	Te -10°C		capacity (P3)	kW	1	-	0.75	0.86	-	1.06	1.34		-		-	-	
	R-407A	Te -10°C		apacity (P3)	kW		0.75				-				1.79	-	1.78	
	R-407F	Te -10°C		apacity (P3)	kW		0.79				-				1.85	-	1.84	
	R-448A	Te -10°C		apacity (P3)	kW	-	0.73		-	0.91		-	1.10	1.34	1.79	2.23	1.77	2.20
	R-449A	Te -10°C		apacity (P3)	kW	<u> </u>	0.73	1	-	0.91		-	1.10	1.34	1.79	2.23	1.77	2.20
	R-452A	Te -10°C		capacity (P3)	kW		0.80		-	1.01		-	1.23	1.46	1.83	2.28	1.81	2.26
	R-134a	Te -10°C	Power in		kW	0.36	-	0.53	0.62	-	0.71	0.89		-		-	-	-
	R-407A	Te -10°C	Power in		kW		0.53								1.15	-	1.21	-
	R-407F	Te -10°C	Power in		kW		0.54				-				1.17	-	1.23	-
	R-448A	Te -10°C	Power in		kW	-	0.58		-	0.73		-	0.88	1.01	1.11	1.57	1.16	1.54
	R-449A	Te -10°C	Power in		kW	-	0.58		-	0.73		-	0.88	1.01	1.11	1.57	1.16	1.54
	R-452A	Te -10°C	Power in		kW		0.61		-	0.77		-	0.92	1.06	1.20	1.69	1.26	1.62
Dimensions	Unit			WidthxDepth	mm					607x876x42	)						101x444	
Weight	Unit				kg	1	19		57	56		58	57	58	67	68	67	68
Compressor	Туре				9							ocating com						
		isplacement			m³/h	1	.8	3.18	3.79	2.64	4.51	5.69	3.18	4.21	4.52	4.52	4.52	4.52
Fan	Туре	,				<u> </u>						Axial						
Sound pressure level	Nom.				dBA					28					32	33	32	33
Piping connections		ne connectio	n		inch		1.	/4"						3/8"				
. 5		line connect			inch	Ì		/8"				1/2"			5	5/8	5	/8
Refrigerant	Type/GV					R-134a/	R-452A/			R-452A/			1			R-452A/	R-407A/	R-452A/
<b>3</b>	71					1,430	2,141	R-134	a/1,430	2,141	R-134	a/1,430		R-452A/2,14	/2,141 R-452P		2,107	2,141
	Type 2 - 0	GWP Type 2					R-407A/			R-407A/	41				2,141 P 449A		R-407F/	R-448A/
	.,,	Type 2 - GWP Type 2				-	2,107		-	2,107			R-407A/2,10		7	1,387	1,825	1,387
	Type 3 - GWP Type 3						R-407F/			R-407F/						R-449A/	R-448A/	R-449A/
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Type 3 - GWP Type 3				-	1.825		-	1,825		-		R-407F/1,825	5	1,397	1,387	1,397
	Type 4	Type 4 - GWP Type 4					R-448A/			R-448A/			R-448A/	R-449A/	R-448A/	1,39/	R-449A/	1,59/
	יאףכיי	Type 4 - GWP Type 4				-	1,387		-	1,387		-	1,387	1,397	1,387	-	1,397	-
	Typo 5	GWP Type 5					1,387 R-449A/			1,38/ R-449A/			1,387 R-449A/	1,397	1,38/ R-449A/		1,39/ R-452A/	
	Type 5 - 0	Gvvr Type 5				-			-			-		-		-	1,397	-
	GWP Typ	20.6					1,397			1,397			1,397		1,397			
Dawaraunah			ltono		H=/Y/						1 /50 /220						2,140.0	- 400
Power supply	Phase/Frequency/Voltage Hz/V 1/50 /230								3~/50	7400								

# Condensing unit for commercial refrigeration with scroll technology

## Refrigeration solution for small food retailers

- > Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- > Compact and lightweight for even the smallest of city centre locations
- > All components can be accessed, making maintenance quick and easy
- > Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- > The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- > Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



Medium Temperat Refrigerating capacity	ure Refr	igeration	R-134a Nom	11/CM3 kW	<b>0200CM1</b> 2.13	0250CM1	0300CM1	<b>0200CM3</b> 2.24	0250CM3	0300CM3	<b>0350CM3</b> 3.48	<b>0360CM3</b> 3.80		0500CM3	0600CM3	0680CM3	<b>0800CM3</b> 8.21	1000CM3
Refrigerating capacity	(1)	temperature	R-407A Nom	kW	3.48	4.09	-	3.45	4.05	4.69	3.48	5.77	4.37 6.76	8.28	9.54	10.7	12.95	10.75
	.,		R-407F Nom	kW	3.33	3.82	4.63	3.33	3.94	4.58	-	5.73	6.75	8.18	9.59	-	12.9	-
			R-407H Nom	kW		-		3.30	3.76	4.51	-	-	5.96	-	9.24	10.3	12.3	-
			R-448A Nom	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
			R-449A Nom	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
Seasonal energy	R-134a	Te -10°C			1.92		-	2.19			2.08	2.36	2.36	-	-	-	3.10	3.37
performance ratio SEPR	R-407A	Te -10°C			2.18	2.06	174	2.12	1.99	1.92	-	3.48	3.79	3.21	3.19	2.96	3.12	-
DLFR	R-407F R-407H	Te -10°C Te -10°C			1.92	1.83	1.74	1.88	1.83 2.02	1.69 1.80	-	3.22 3.15	3.49 3.03	3.07	3.12 2.90	2.68	2.95 3.24	-
	R-448A	Te -10°C			2.02	1.93	1.85	2.02	1.93	1.85	2.72	3.02	3.13	2.97	3.22	2.96	2.88	2.83
•	R-449A	Te -10°C			2.02	1.93	1.85	2.02	1.93	1.85	2.72	3.02	3.13	2.97	3.22	2.96	2.88	2.83
Annual electricity	R-134a	Te -10°C			2.02	11.55	1.05	2.02	1.55	1.05	-	5.02	3.13	2.57	J.LL	2.50	16,257	19,586
consumption Q	R-407A	Te -10°C		kWh/a				-				10,187	10,973	15,848	18,408	22,240	25,491	-
	R-407F	Te -10°C		kWh/a				-				10,933	11,873	16,401	18,903	-	26,882	-
	R-407H	Te -10°C		kWh/a				-				10,664	12,082	-	19,576	23,664		-
•	R-448A	Te -10°C		kWh/a				-			12,363	11,736	12,512	16,305	18,395	22,298	27,302	34,432
	R-449A	Te -10°C		kWh/a				-			12,363	11,736	12,512	16,305	18,395	22,298	27,302	34,432
Parameters at full load and ambient	R-134a	Te -10°C	Declared COP (COP2)		2.21	244	-	2.62	2.26	2.26	2.46	2.86	2.90			-		
temp. 25°C	R-407A	Te -10°C	Declared COP (COP2)		2.61	2.44	2 21	2.55	2.36	2.26					-			
(cliip. 25 C	R-407F R-407H	Te -10°C Te -10°C	Declared COP (COP2)  Declared COP (COP2)		2.46	2.33	2.21	2.39	2.29	2.14					-			
	R-448A	Te -10°C Declared COP (COP2)			2.53	2.32	2.23	2.53	2.32	2.23								
•	R-449A	Te -10°C	Declared COP (COP2)		2.53	2.32	2.23	2.53	2.32	2.23								
Parameters at part	R-134a	Te -10°C	Declared COP (COPB)		2.55			2.55	2.52		-						2.49	2.7
load and ambient	R-407A	Te -10°C	Declared COP (COPB)					-				2.77	2.90	2.60	2.51	2.37	2.55	-
temp. 25°C (Point B)	R-407F	Te -10°C	Declared COP (COPB)					-				2.53	2.66	2.36	2.39	-	2.5	-
	R-407H	Te -10°C	Declared COP (COPB)					-				2.47	2.37	-	2.32	2.17	2.68	-
	R-448A	Te -10°C	Declared COP (COPB)					-			2.18	2.56	2.51	2.41	2.39	2.18	2.33	2.26
-	R-449A	Te -10°C	Declared COP (COPB)					-			2.18	2.56	2.51	2.41	2.39	2.18	2.33	2.26
Parameters at full load	R-134a	Te -10°C	Rated COP (COPA)		1.92		-	2.19			2.08	2.36	2.36	-	-	-	2.2	2.21
and ambient temp.	R-407A	Te -10°C	Rated COP (COPA)		2.18	2.06	-	2.12	1.99	1.92	-	2.24	2.28	2.11	2.05	1.93	2.08	-
32°C (Point A)	R-407F	Te -10°C	Rated COP (COPA)		1.92	1.83	1.74	1.88	1.83	1.69	-	1.97	2.10	1.88	1.91	-	2.1	-
<b>~</b>	R-407H	Te -10°C	Rated COP (COPA)		2.00	100	105	1.93	2.02	1.80	177	- 201	1.89	170	1.92	1.78	2.2	102
	R-448A	Te -10°C	Rated COP (COPA)		2.02	1.93	1.85	2.02	1.93	1.85	1.77	2.04	1.98	1.78	1.96	1.79	2.05	1.83
	R-449A	Te -10°C	Rated COP (COPA)	kW	2.02	1.93	1.85	2.02	1.93	1.85	1.77	2.04	1.98	1.78	1.96	1.79	2.05	1.83
	R-134a R-407A	Te -10°C Te -10°C	Rated cooling capacity (PA) Rated cooling capacity (PA)	kW	2.13 3.48	4.09	-	2.24 3.45	4.05	4.69	3.48	3.80 5.77	4.37 6.76	8.28	9.54	10.7	8.21 12.95	10.75
	R-407F	Te -10°C	Rated cooling capacity (PA)	kW	3.33	3.82	4.63	3.33	3.94	4.58	-	5.73	6.75	8.18	9.59	10.7	12.93	-
	R-407H	Te -10°C	Rated cooling capacity (PA)	kW	3.33	3.02	4.03	3.30	3.76	4.51	_	- 3.73	5.96	0.10	9.24	10.3	12.3	-
	R-448A	Te -10°C	Rated cooling capacity (PA)	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
	R-449A	Te -10°C	Rated cooling capacity (PA)	kW	3.33	3.82	4.73	3.33	3.82	4.73	5.46	5.76	6.37	7.88	9.45	10.5	12.8	15.85
	R-134a	Te -10°C	Rated power input (DA)	kW	1.11	0.02	-	1.03			1.68	1.61	1.85	-	-	-	3.74	4.86
R	R-407A	Te -10°C	Rated power input (DA)	kW	1.60	1.99	-	1.63	2.04	2.45	-	2.58	2.97	3.93	4.65	5.54	6.24	-
	R-407F	Te -10°C	Rated power input (DA)	kW	1.74	2.09	2.66	1.78	2.16	2.71	-	2.91	3.21	4.36	5.03	-	6.13	-
	R-407H	Te -10°C	Rated power input (DA)	kW		-		1.71	1.86	2.50		-	3.15	-	4.82	5.79	5.58	-
	R-448A	Te -10°C	Rated power input (DA)	kW	1.65	1.98	2.56	1.65	1.98	2.56	3.09	2.83	3.22	4.43	4.83	5.85	6.23	8.68
	R-449A	Te -10°C	Rated power input (DA)	kW	1.65	1.98	2.56	1.65	1.98	2.56	3.09	2.83	3.22	4.43	4.83	5.85	6.23	8.68
Parameters at full	R-134a	Te -10°C	Declared COP (COP3)		1.42			-			1.52			-			1.59	1.60
load and ambient	R-448A	Te -10°C	Declared COP (COP3)		1.31	1.36	1.31	1.31	1.36	1.31	1.26	1.41	1.37	1.24	1.42	1.32		-
temp. 43°C	R-449A	Te -10°C	Declared COP (COP3)		1.31	1.36	1.31	1.31	1.36	1.31	1.26	1.41	1.37	1.24	1.42	1.32		-
	R-134a	Te -10°C	Cooling capacity (P3)	kW	1.87	2.25	140	-	2.25	440	3.06	4.00	6.53		0.00	0.05	7.26	9.46
	R-448A	Te -10°C	Cooling capacity (P3)	kW	2.80	3.35	4.12	2.80	3.35	4.12	4.78	4.99	5.57	6.79	8.29	9.25	-	-
	R-449A R-134a	Te -10°C	Cooling capacity (P3)	kW kW	2.80	3.35	4.12	2.80	3.35	4.12	4.78	4.99	5.57	6.79	8.29	9.25	4 5 6	F 02
	R-448A	Te -10°C Te -10°C	Power input (D3) Power input (D3)	kW	1.32 2.14	2.47	3.14	2.14	2.47	3.14	2.02 3.78	3.54	4.08	5.46	5.82	7.00	4.56	5.92
	R-449A	Te -10°C	Power input (D3)	kW	2.14	2.47	3.14	2.14	2.47	3.14	3.78	3.54	4.08	5.46	5.82	7.00		
Parameters at part	R-134a	Te -10°C	Declared COP (COPC)	N.TV	2.17	2.77	3.17		2.77	3.17	5.70	3.71	4.02	3.43	5.02		3.26	3.58
load and ambient	R-407A	Te -10°C	Declared COP (COPC)		1			-				3.46	3.69	3.24	3.35	3.13	3.34	-
temp. 15°C (Point C)	R-407F	Te -10°C	Declared COP (COPC)					-				3.34	3.22	-	3.3	-	3.14	-
	R-407H	Te -10°C	Declared COP (COPC)					-				3.18	3.34	3.20	3.06	2.84	3.47	-
	R-448A	Te -10°C	Declared COP (COPC)					-			2.88	3.18	3.34	3.20	3.15	2.85	3.02	3.01
	R-449A	Te -10°C	Declared COP (COPC)								2.88		-		3.15	2.85	3.26	3.01
Parameters at part	R-134a	Te -10°C	Declared COP (COPD)									4.85	5.41	4.40			4.25	4.66
load and ambient	R-407A	Te -10°C	Declared COP (COPD)					-				4.48	5.05	4.43	4.49	4.1	4.25	-
temp. 5°C (Point D)	R-407F	Te -10°C	Declared COP (COPD)					-				4.45	4.3	-	4.5	-	3.90	-
	R-407H	Te -10°C	Declared COP (COPD)		-			-				4.05	4.32	4.12	4.03	3.67	4.36	-
	R-448A	Te -10°C	Declared COP (COPD)					-			3.77	405	4.00	440	4.05	3.68	3.92	3.96
Dimensions	R-449A Unit	Te -10°C	Declared COP (COPD) dthxDepth	mm			-	- 62x1,101x44	4		3.77	4.05	4.32	4.12 372x1,353x57	4.05	3.68	3.92	3.96 348x641
Weight	Unit	HeightxWl	чимосрии	kg	70	72	74	70	72	74	74	112	119	123	125	126	222	226
Compressor	Туре			ĸy	/0					/	Scroll	112	117					
	7					Re	eciprocatin	g compress	or		compressor			Recipro	cating con	pressor		
	Piston di	placement		m³/h	5.9	6.8	8.6	5.9	6.8	8.6	9.9	9.9	11.4	14.4	17.1	18.8	22.1	29.1
Fan	Туре										Ax							
Sound pressure level	Nom.			dBA	33	34	36	33	34	36	39	37	37	38	40	40	43	43
Piping connections		e connectior		inch				3/8"						1/2"			3,	/4"
		ne connectio	on	inch				3/4"				3/4"	7/8"			11/8"		13/8"
Refrigerant	Type/GW				R-134a/1,430				R-407A/2,107		R-134a/1,430.0	R-134a/1,430	R-134a/1,430	R-407A/2,107	R-407A/2,107	R-407A/2,107	R-134a/1,430	
		WP Type 2			R-407A/2,107	R-407F/1,825		R-407A/2,107	R-407F/1,825	R-407F/1,825	-	R-407A/2,107	R-407A/2,107	R-407F/1,825		R-407H/1,495.0		
		WP Type 3			R-407F/1,825		R-449A/1,397		R-407H/1,495.0		-	R-407F/1,825			R-407H/1,495.0		R-407F/1,825	
		WP Type 4				R-449A/1,397	-		R-448A/1,387		-			R-449A/1,397		K-449A/1,397.0		-
		WP Type 5			R-449A/1,397		-		R-449A/1,397.0	K-449A/1,397.0					-			
		WP Type 6 equency/Vol	tago	Hz/V						R-449A/1,397.0 R-449A/1,397.0 - R-449A/1,397 - 3~/50 /400								
Power supply			IGUE	riz/V	1	1~/30/230							400/ ۵۵/~د					

# Condensing unit for commercial refrigeration with scroll / reciprocating technology

## Refrigeration solution for small food retailers

- Designed specifically for small capacity refrigeration applications in small food stores (eg. in bakeries and butchers), cold rooms, bottle coolers and display cabinets
- > Compact and lightweight for even the smallest of city centre locations
- > All components can be accessed, making maintenance quick and easy
- > Ideal for urban applications: sound proofing and low operating sound levels mean the unit is quiet
- > The optimised compressor range and increased condenser surface deliver high levels of energy efficiency and reliability is ensured by using high quality components and production processes
- Micro channel heat exchanger technology reduces the amount of refrigerant used in the system, lowering environmental impact



Parameters at full load and ambient temp. 25°C (Point A)   Re-35°C   Re-448A   Te-35	7A Nom			0.000				2.20	2.77			4.96			
R-449A R-449A R-452A R-452A R-452A R-457C R-449A R-457C R-449A R-457C R-449A R-457C R-449A R-35°C R-449A R-35°C R-449A R-35°C R-449A R-35°C R-449A R-35°C R-449A R-35°C R-449A R-35°C R-449A R-35°C R-449A R-35°C R-452A R-457C R-457C R-467A R-467C R-467A R-467C R-467A R-467C R-										3.31	4.29	4.96			
R-449A   Re-35°C   Red					0.00	126	160			3.40	4.01	4.86			
R-452A re-35°C re-35°C re-35°C re-35°C re-35°C re-35°C re-35°C re-35°C re-448A re-35°C re-35°C re-449A re-35°C re-448A re-35°C			_	•					-		4.01	4.86			
easonal energy R -407A Te -35°C reformance ratio SEPR R-407F Te -35°C R-448A Te -35°C R-449A T			0.64	0.81			1.02	2.33		_		4.00			
renformance ratio SEPR R-4497 Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C R-449A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A	ZA NOIII	KVV	0.04	0.61		1.55		1.67	167	164	_	1.76			
R-448A Te -35°C R-452A Te -35°C R-457A Te -35°C R-457A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-457A Te -35°										1.04	-	1.63			
Methods   Meth	164	1.76													
R-452A Te -35°C R-440A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-448A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-449A Te -35°C R-452A Te -35°	Section   Sect	1.76													
R-407A   Te-35°C   R-448A   Te-35°C   R-448A   Te-35°C   R-448A   Te-35°C   R-448A   Te-35°C   R-448A   Te-35°C   R-448A   Te-35°C   R-448A   Te-35°C   Declared   R-449A   Te-35°C   Declared   R-467A   Te-35°C   Declared   R-467A   Te-35°C   Declared   R-467A   Te-35°C   Declared   R-467A   Te-35°C   Declared   R-467A   Te-35°C   R-468A   Te-35°C   R-468A   Te-35°C   R-468A   Te-35°C   R-468A   Te-35°C   R-468A   Te-35°C   R-468A   Te-35°C   R-468A   Te-35°C   R-468A   Te-35°C   R-469A   Te-35°C   Declared   R-407A   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   D			1.05	0.00			0.57	1.07	_	1.04	1.04	1.70			
onsumption Q		kWh/a	1.05	0.56		1.03	I	10 212	12 264	15.026		20,958			
R-448A Te -35°C Declared R-449A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Rated CO R-49A Te -35°C Rated DO R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Declared R-49A Te -35°C Cooling R-49A Te -35°C Cooling R-49A Te -35°C Cooling R-49A Te -35°C Cooling R-49A Te -35°C Cooling R-49A Te -35°C Declared R-49A Te										15,020		22,348			
R-449A Te-35°C Declared R-449A Te-35°C Declared R-449A Te-35°C Declared R-452A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Declared R-467A Te-35°C Rated CO R-467A Te-35°C Declared R-467A Te-35°C Cooling R-467A Te-35°C Declared R-467A										15 070	21.056	20,551			
Parameters at full load and ambient temp. 25°C   Poclared R-449A   Te-35°C   Declared R-449A   Te-35°C   Declared R-449A   Te-35°C   Declared R-449A   Te-35°C   Declared R-449A   Te-35°C   Declared R-449A   Te-35°C   Declared R-449A   Te-35°C   Declared R-449A   Te-35°C   Declared R-449A   Te-35°C   R-45°C   R-4676   Te-35°C   Declared R-4676   Te-35°C   Decla															
R-499A   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   R-497E   Te -35°C   Declared   Te -35°C   Declared   Te -35°C   Declared   Te -35°C   Declared   Te -35°C   Declared   Te -35°C   Declared   Te -35°C	II COD (COD2)	KWN/a						11,2/6	-		21,856	20,551			
R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Declared R-449A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated CC R-452A   Ie-35°C   Rated CC R-452A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated CC R-449A   Ie-35°C   Rated Declared R-449A   Ie-35°C   Rated Declared R-449A   Ie-35°C   Rated Declared R-449A   Ie-35°C   Rated Declared R-449A   Ie-35°C   Rated Declared R-449A   Ie-35°C   Declared			-		1.15	1.09	1.16			-					
arameters at part load and mblent temp. 25°C (Point 8)  R-407F Te-35°C Declared R-449A Te-35°C Declared R-449A Te-35°C Declared R-449A Te-35°C Rated CC R-407F Te-35°C CC RATED R-407F Te-35°C Declared R-407F Te-35°C Declared R-407F Te-35°C Declared R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Power in R-407F Te-35°C Power in R-407F Te-35°C Declared R-40	lared COP (COP2)				1.15	1.09	1.16			-					
arameters at part load and mblent temp. 25°C (Point 8)  R-407F Te-35°C Declared R-449A Te-35°C Declared R-449A Te-35°C Declared R-449A Te-35°C Rated CC R-407F Te-35°C CC RATED R-407F Te-35°C Declared R-407F Te-35°C Declared R-407F Te-35°C Declared R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Cooling R-407F Te-35°C Power in R-407F Te-35°C Power in R-407F Te-35°C Declared R-40	lared COP (COP2)		120	115	126	125				_					
mblent temp. 25°C (Point 8) R-449A Te -35°C Declared R-449A Te -35°C Declared R-449A Te -35°C Declared R-449A Te -35°C Rated CC R-407F Te -35°C Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-452A Te -35°C Cooling: R-452A Te -35°C Declared R-452A Te -35°C Declared R-452A Te -35°C Cooling: R-452A Te -35°C Cooling: R-452A Te -35°C Cooling: R-452A Te -35°C Cooling: R-452A Te -35°C Cooling: R-452A Te -35°C Cooling: R-452A Te -35°C Cooling: R-452A Te -35°C Power in R-448A Te -35°C Power in R-448A Te -35°C Power in R-448A Te -35°C Declared R-452A Te -35°C De			1.20	1.15	1.20	1.23		404	4.05	- 425	1	4.54			
R-448A Te -35°C Declaree  R-449A Te -35°C Set Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-452A Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Rated CC R-467F Te -35°C Declaree R-467F Te -35°C Declaree R-467F Te -35°C Declaree R-467F Te -35°C Cooling: R-467F Te -35°C Cooling: R-467F Te -35°C Cooling: R-467F Te -35°C Cooling: R-467F Te -35°C Cooling: R-467F Te -35°C Cooling: R-467F Te -35°C Declaree R-467F Te -35°C			-		-					1.35	-	1.51			
R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-407A Te-35°C RATED R-407A Te-35°C RATED R-407A Te-35°C RATED R-407A Te-35°C RATED R-407A Te-35°C RATED R-407A Te-35°C Cooling R-448A Te-35°C Cooling R-448A Te-35°C COOLING R-407A Te-35°C Power in R-449A Te-35°C Power in									1.23	100	- 445	1.35			
arameters at full load namblent temp. 2°C (Point A) R-448A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-449A Te-35°C Rated CC R-45°C R-45°C RATED R-45°C R-45°C RATED R-45°C									-			1.42			
nd ambient temp. 2"(Point A)  R-4076 Te -35°C Rated CC R-449A Te -35°C Rated CC R-449A Te -35°C Rated CC R-4077 Te -35°C Rated CC R-4077 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Rated CC R-4078 Te -35°C Cooling: R-4078 Te -35°C Declared R-4078 Te -35°C Cooling: R-4078 Te -35°C Cooling: R-4078 Te -35°C Cooling: R-4078 Te -35°C Cooling: R-4078 Te -35°C Cooling: R-4078 Te -35°C Cooling: R-4078 Te -35°C Cooling: R-4078 Te -35°C Power in R-4078 Te -35°C Declared R-4078 Te -35°C Declared R-4078 Te -35°C Declared R-4078 Te -35°C Declared R-4078 Te -35°C Declared R-4078 Te -35°C Declared R-4078 Te -35°C Declared R-4078 Te -35°C Declared R-449A Te -35°C					-				-			1.42			
2°C (Point A)  R-448A R-43°C R-449A R-35°C Rated CC R-452A R-467C R-467A R-467A R-467C R-467A R-467A R-467C R-467A R-467A R-457C Rated po R-467A R-467C R-467A R-467C R-46					-					0.93	1.03	1.26			
R-449A Te -35°C Rated CC R-452A Te -35°C Rated CC R-407F Te -35°C Rated CC R-407F Te -35°C Rated CC R-407F Te -35°C Rated CC R-448A Te -35°C Rated CO R-449A Te -35°C Rated CO R-449A Te -35°C Rated CO R-449A Te -35°C Rated CO R-452A Te -35°C Rated CO R-407F Te -35°C Rated CO R-407F Te -35°C Rated CO R-407F Te -35°C Rated po R-407F Te -35°C Rated po R-448A Te -35°C Rated po R-452A Te -35°C Rated po R-452A Te -35°C Declared R-407A Te -35°C Declared R-449A Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Cooling; R-407F Te -35°C Declared R-448A Te -35°C Power in R-448A Te -35°C Power in R-449A Te -35°C Declared R-448A Te -35°C Declared R-448A Te -35°C Declared R-448A Te -35°C Declared R-448A Te -35°C Declared R-448A Te -35°C Declared R-448A Te -35°C Declared R-448A Te -35°C Declared R-448A Te -35°C Declared R-449A Te -35°C Decla					-				0.93		-	1.08			
R-452A   Te-35°C   Rated CC   R-407A   Te-35°C   Rated co   R-407A   Te-35°C   Rated co   R-448A   Te-35°C   Rated co   R-448A   Te-35°C   Rated co   R-448A   Te-35°C   Rated co   R-407A   Te-35°C   Rated co   R-407A   Te-35°C   Rated co   R-407A   Te-35°C   Rated po   R-407A   Te-35°C   Rated po   R-448A   Te-35°C   Rated po   R-448A   Te-35°C   Rated po   R-448A   Te-35°C   Rated po   R-448A   Te-35°C   Rated po   R-448A   Te-35°C   Declared   R-407A   Te-35°C   Declared   R-407A   Te-35°C   Declared   R-407A   Te-35°C   Declared   R-407A   Te-35°C   Declared   R-407A   Te-35°C   Declared   R-407A   Te-35°C   Declared   R-407A   Te-35°C   Cooling   R-407A   Te-35°C   Cooling   R-407A   Te-35°C   Cooling   R-407A   Te-35°C   Cooling   R-407A   Te-35°C   Cooling   R-407A   Te-35°C   Cooling   R-407A   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   Te-35°C   Declared   T			<u> </u>	-					-			1.24			
R-407A Te -35°C Rated po R-448A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Rated po R-449A Te -35°C Declared R-449A Te -35°C Declared R-449A Te -35°C Declared R-449A Te -35°C Cooling: R-45°C R-45°C Declared R-45°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35°C Te -35				-			0.97	1.02	-	0.83	1.18	1.24			
R-407F   Te-35°C   Rated co			1.05	0.98		1.05				-		_			
R-448A   Te-35°C   Rated co										3.31	4.29	4.96			
R-449A   Te-35°C   Rated co									2.87		-	4.88			
R-452A Te-35°C Rated po R-407A Te-35°C Rated po R-407F Te-35°C Rated po R-407F Te-35°C Rated po R-452A Te-35°C Rated po R-452A Te-35°C Rated po R-452A Te-35°C Rated po R-452A Te-35°C Rated po R-452A Te-35°C Rated po R-452A Te-35°C Declared R-407A Te-35°C Declared R-448A Te-35°C Cooling R-449A Te-35°C Cooling R-407A Te-35°C Cooling R-407A Te-35°C Cooling R-407A Te-35°C Cooling R-452A Te-35°C Cooling R-452A Te-35°C Cooling R-452A Te-35°C Cooling R-452A Te-35°C Cooling R-452A Te-35°C Declared R-452A Te-35°C	d cooling capacity (PA)								-			4.86			
R-407A   Te-35°C   Rated por R-407F   Te-35°C   Rated por R-448A   Te-35°C   Rated por R-448A   Te-35°C   Rated por R-450A   Te-35°C   Rated por R-450A   Te-35°C   Rated por R-450A   Te-35°C   Rated por R-450A   Te-35°C   Declared R-407A   Te-35°C   Declared R-407A   Te-35°C   Declared R-449A   Te-35°C   Cooling R-407F   Te-35°C   Cooling R-407F   Te-35°C   Cooling R-407F   Te-35°C   Cooling R-407F   Te-35°C   Cooling R-407F   Te-35°C   Cooling R-449A   Te-35°C   Cooling R-449A   Te-35°C   Cooling R-449A   Te-35°C   Cooling R-407F   Te-35°C   Cooling R-	d cooling capacity (PA)	kW	-		0.98	1.36	1.62	2.53	-	3.49	4.81	4.86			
R-407F   Te-35°C   Rated pc	d cooling capacity (PA)	kW	0.64	0.81	1.13	1.53				-					
R-407k   Te-35°C   Rated pc		kW						2.33	2.85	3.57	4.17	3.94			
R-448A   Te-35°C   Rated pc		kW			-			2.51	3.08		-	4.51			
R-449A   Te-35°C   Rated pc		kW			0.98	1.36	1.67	2.48	-	4.19	4.08	3.93			
R-452A   Te-35°C   Declaree		kW			0.98	1.36	1.67	2.48	-	4.19	4.08	3.93			
arameters at full and and and ambient arameters at full and and ambient arameters at full and and ambient arameters at full and and ambient arameters at part load and ambient temp. 5°C (Point Diagram)  arameters at part load and and ambient temp. 5°C (Point Diagram)  arameters at part load and and ambient temp. 5°C (Point Diagram)  arameters at part load and and ambient temp. 5°C (Point Diagram)  arameters at part load and and and ambient temp. 5°C (Point Diagram)  arameters at part load and and and and and and and and and a			0.61	0.83						-					
R-407k   Te-35°C   Declarec					-			0.67	0.66	0.64	0.73	-			
### A 1					_				_		_				
R-449A Te-35°C Declared   R-452A Te-35°C Cooling   R-449A Te-35°C Cooling   R-449A Te-35°C Cooling   R-449A Te-35°C Cooling   R-449A Te-35°C Cooling   R-452A Te-35°C Cooling   R-452A Te-35°C Cooling   R-452A Te-35°C Power in   R-449A Te-35°C Power in   R-449A Te-35°C Power in   R-449A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-464A Te-35°C Power Power in   R-464A Te-35°C Power in   R-464A Te-35°C Power in   R-464A Te-35°C Po										0.46	0.81				
R-452A Te-35°C Declared   R-407F Te-35°C Cooling:   R-449R Te-35°C Cooling:   R-448A Te-35°C Cooling:   R-449A Te-35°C Cooling:   R-449A Te-35°C Cooling:   R-449A Te-35°C Power in   R-407F Te-35°C Power in   R-407F Te-35°C Power in   R-449A Te-35°C Power in   R-449A Te-35°C Power in   R-449A Te-35°C Power in   R-452A Te-35°C P					_		0.68		_						
R-407A   Te -35°C   Cooling			0.02	0.71			0.00	0.00		0.40	0.01				
R-407k   Te-35°C   Cooling		LAAZ	0.62	0.71				2.01	2.40	2.00	2.70				
R-448A   Te-35°C   Cooling: R-449A   Te-35°C   Cooling: R-449A   Te-35°C   Cooling: R-452A   Te-35°C   Cooling: R-452A   Te-35°C   Cooling: R-407A   Te-35°C   Power in R-449A   Te-35°C   Power in R-449A   Te-35°C   Power in R-452A   Te-35°C   Power in R-452A   Te-35°C   Power in R-452A   Te-35°C   Declaree R-452A   Te-35°C   Declaree R-449A   Te-35°C   Declaree					-				2.40	2.88	3./9				
R-449A Te-35°C Cooling:   R-452A Te-35°C Cooling:   R-407A Te-35°C Cooling:   R-407F Te-35°C Power in   R-449A Te-35°C Power in   R-449A Te-35°C Power in   R-449A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-452A Te-35°C Power in   R-457A Te-35°C Declarec   R-449A Te-35°C D					-						-				
R-452A   Te-35°C   Cooling					-				-			-			
R-407A   Te-35°C   Power in					-		1.43	2.23	-	2.82	4.26	-			
R-407F   Te-35°C   Power in			0.49	0.57					-						
R-448A   Te-35°C   Power in					-				3.64	4.48	5.20	-			
R-449A   Te-35°C   Power in R-452A   Te-35°C   Power in R-452A   Te-35°C   Power in R-452A   Te-35°C   Declarec   R-449A   Te-35°C   Declarec   R-449A   Te-35°C   Declarec   R-449A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   R-467A   Te-35°C   Declarec   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A   Te-47A					-						-				
arameters at part load and hibent temp. 15°C (Point C) R-449A Te -35°C Declaree R-449A Te -35°C	er input (D3)	kW			-			3.29	-	6.15	5.28	-			
arameters at part load and mblent temp. 15°C (Point of Declaree R-449A Te-35°C Declaree Te-449A Te-35°C Declaree R-449A Te-35°C Declaree Te-449A Te-449A Te-35°C Declaree Te-449A Te-45°C Te-449A Te-449A Te-45°C Te-449A Te-449A Te-45°C Te-449A T	er input (D3)	kW			-		2.11	3.29	-	6.15	5.28	-			
marameters at part load and Mr. 407A Te -35°C Declared Mr. 407F Mr. 435°C Declared Mr. 407F Mr. 448A Te -35°C Declared Mr. 448A T		kW	0.60	0.81					-						
mblent temp. 15°C (Point C) R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-407 Te-35°C Declaree R-407 Te-35°C Declaree R-408 Te-35°C Declaree R-408 Te-35°C Declaree R-409A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree Leight Unit Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree Leight Unit Declaree R-449A Te-35°C Declaree Leight Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree Leight Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree Leight Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree R-449A Te-35°C Declaree Leight Te-35°C Declaree R-449A Te-35					-			1.69	1.69	1.68	-	1.74			
R-448A Te -35°C Declaree  R-449A Te -35°C De			İ		-			1.68	1.69	1	-	1,67			
arameters at part load and R-407A Te-35°C Declarec mobient temp. 5°C (Point D) R-407F Te-35°C Declarec R-488 Te-35°C Declarec R-488 Te-35°C Declarec R-449A Te-35°C Declarec M-499A Te-35°C Declarec M					-					1,78	1,71	1,75			
mameter at part load and helent temp. 5°C (Point D) R-407F Te-35°C Declared R-407F Te-35°C Declared R-407F Te-35°C Declared R-488 Te-35°C Declared R-449A Te-35°C Declared R-4					-				-			1.75			
mbient temp. 5°C (Point D) R-4097 Te-35°C Declaree R-449A Te-35°C Declaree R-4									2.75		1371	2.13			
R-448A Te-35°C Declared R-449A Te-35°C Declared R-449A Te-35°C Declared White Meightx Widthx Dept leight Unit Ompressor Type Piston displacement Iype Ound pressure level Nom. Iging connection Suction line connection Frigerant Type 2-GWP Type 2 Type 3-GWP Type 3					-					2,1	-				
R-449A Te -35°C Declared  Weight Unit HeightxWidthxDept  Weight Upint  Type Piston displacement  Type ound pressure level Nom.  Liquid line connection  Suction line connection  figreant  Type 2 - GWP Type 2  Type 3 - GWP Type 3					-				2.2	200	101	1.97			
imensions Unit HeightxWidthxDept leight Unit ompressor Type Piston displacement Type ound pressure level Nom. iping connections Liquid line connection ffrigerant Type 2- GWP Type 2 Type 3 - GWP Type 3			-		-				-			2.18			
Veight Unit Ompressor Type Piston displacement  an Type Ound pressure level Nom. iping connections Liquid line connection Suction line connection frigerant Type/GWP Type 2 - GWP Type 2 Type 3 - GWP Type 3					-			2.14	-	2.06		2.18			
ompressor         Type           Piston displacement         Type           ound pressure level         Nom.           ping connection         Liquid line connection           Suction line connection         Type/GWP           Type 2 - GWP Type 2         Type 3 - GWP Type 3	Depth						_								
Piston displacement  Type  Dound pressure level Nom.  ping connections Liquid line connection  Suction line connection  Efrigerant Type/GWP  Type 2 - GWP Type 2  Type 3 - GWP Type 3		kg	55	61	83	81			132	133	203	200			
Type			ļ												
ound pressure level Nom.  Liquid line connection  Suction line connection  Strigerant  Type/GWP  Type 2 - GWP Type 2  Type 3 - GWP Type 3		m³/h	4.55	6	9.45	11.83	_		14.5	17.1	21.4	17.1			
Liquid line connection           Suction line connection           Surgerant         Type/GWP           Type 2 - GWP Type 2         Type 3 - GWP Type 3															
Suction line connection Type/GWP Type 2 - GWP Type 2 Type 3 - GWP Type 3			31	27		8	33	37	39		11	37			
Suction line connection Type/GWP Type 2 - GWP Type 2 Type 3 - GWP Type 3		inch													
Type 2 - GWP Type 2 Type 3 - GWP Type 3		inch	1/2	2"	5/	8"	3/4"			7/8"					
Type 2 - GWP Type 2 Type 3 - GWP Type 3			R-404A/3,921.6	R-404A/3,922	R-448A/1,387	R-448A/1,387	R-404A/3,922	R-404A/3,922	R-404A/3,922	R-404A/3,922	R-404A/3,922	R-404A/3,9			
Type 3 - GWP Type 3				R-452A/2,141	R-449A/1,397		R-449A/1,397	R-407A/2,107	R-407A/2,107		R-448A/1,387	R-407A/2,1			
								R-407F/1,825	R-407F/1,825		R-449A/1,397	R-407F/1,8			
IVDE 4 - GWP IVDE 4	Type 4 - GWP Type 4				- R-452A/2,141 R-452A/2,141 -										
	Type 5 - GWP Type 5										R-448A/1,387 - R-448A/1,387 R-449A/1,397 - R-449A/1,397				
ower supply Phase/Frequency/Voltage		Hz/V	1~/50	/230					) /400						

<sup>|</sup> Refer to condition: Outside ambient temperature = 32°C, Evaporation temperature = -35°C and Return Gas 20°C (low temperature application) | (2) Average sound pressure level is measured at 10m in anechoic room

<sup>\*</sup> Condition with high discharge temperature





# Condensing units with inverter driven compressor

## High reliability, low cost and easy installation

- > Power supply 380-400/3N~/50
- > Pressure controlled fan speed controller
- > Crankcase heater
- > Oil separator
- > Power control box with magnetothermic switches + thermal protection + electronic controller
- > Inverter
- > Oil separator + condenser fans speed regulator with pressure probe
- > Liquid receiver with safety valve + liquid line
- > HP + LP pressure switches, Crankcase heater
- > Antivibration eliminators on suction and discharge line
- > Condenser with 6 poles axial fans
- > Condensing unit under nitrogen pressure
- > Muffler on discharge line
- > Residential Soundproofing



- > Electrical box: power control box with thermal protection and capacity regulation
- > Soundproofing: double noise insulation (residential)

_			GCI	GC12010B3B1D4R	GCI2020B3B1D4R		I   GCI2030B3B1D4R	GCI2040B3B1D4F	GCI3050B3B1D4R				
Frame type						2				3	4		
Power supply			V/ph~/Hz					/3N~/50		1			
Max absorbed cur			Α.	2.7	3.6	4.1	5.6	7.2	8.4	10.3	13.3		
Max absorbed pov			kW	1.3	1.8	2.1	3.0	4.0	4.7	5.8	7.8		
Working temperat			°C					20					
Compressor	Type			Semihermetic									
	Brand							zer		1			
	Model			2HES-1Y	2FES-2Y	2EES-2Y	2CES-3Y	4EES-4Y	4DES-5Y	4CES-6Y	4PES-12Y		
	Refrigerant							34a					
Condenser	Fin pitch		mm				2	.1					
	Fans nr.					1				2			
	Fans ø		mm					50					
	Model		ph/p					i-6P					
	Air flow		m³/h		2,943			701		350	5,366		
	Noise pressure level a	at 10 m (50Hz)	dB(A)	33	34	35	35	39	40	41	42		
Connections	Suction		Ø mm	16	18	22	22	28	28	35	35		
	Liquid		Ømm			10				12			
	Standard liquid recei	ver	lt		5	.7			10		21		
	PED category					1				2			
	Unit net weight		kg	160	170	193	195	210	225	230	300		
Cooling capacity	Min./Max. Tev 5°C	Tamb 20°C	kW	2.63/6.01	3.81/8.43	4.65/10.19	6.6/14.04	8.66/17.46	10.65/22.27	12.72/25.72	18.23/34.9		
		Tamb 25°C	kW	2.49/5.68	3.56/7.89	4.37/9.59	6.22/13.23	8.14/16.4	10/20.91	11.95/24.16	17.02/32.6		
		Tamb 30°C	kW	2.34/5.36	3.32/7.35	4.1/8.99	5.84/12.42	7.62/15.35	9.35/19.56	11.18/22.61	15.83/30.3		
		Tamb 35°C	kW	2.2/5.04	3.08/6.82	3.83/8.4	5.47/11.63	7.1/14.31	8.71/18.22	10.42/21.07	14.66/28.		
		Tamb 40°C	kW	2.07/4.72	2.84/6.28	3.56/7.82	5.09/10.84	6.59/13.28	8.07/16.89	9.66/19.54	13.52/25.9		
		Tamb 45°C	kW	1.93/4.41	2.6/5.76	3.3/7.24	4.72/10.05	6.08/12.26	7.44/15.57	8.91/18.02	12.4/23.7		
	Tev 0°C	Tamb 20°C	kW	2.18/4.99	3.18/7.04	3.9/8.55	5.59/11.89	7.44/15	9/18.84	10.86/21.97	15.72/30.1		
		Tamb 25°C	kW	2.06/4.71	2.97/6.58	3.66/8.03	5.26/11.19	6.98/14.08	8.45/17.69	10.2/20.63	14.66/28.		
		Tamb 30°C	kW	1.94/4.44	2.76/6.12	3.43/7.52	4.94/10.51	6.53/13.17	7.9/16.54	9.55/19.31	13.62/26.1		
		Tamb 35°C	kW	1.82/4.16	2.56/5.67	3.2/7.02	4.62/9.83	6.09/12.27	7.36/15.39	8.9/17.99	12.59/24.1		
		Tamb 40°C	kW	1.7/3.89	2.36/5.22	2.97/6.52	4.3/9.16	5.65/11.38	6.81/14.25	8.25/16.68	11.58/22.2		
		Tamb 45°C	kW	1.58/3.62	2.16/4.78	2.75/6.03	3.99/8.49	5.21/10.5	6.27/13.13	7.6/15.37	10.6/20.3		
	Tev -5°C	Tamb 20°C	kW	1.79/4.09	2.61/5.79	3.22/7.06	4.66/9.92	6.3/12.69	7.5/15.69	9.14/18.47	13.32/25.5		
		Tamb 25°C	kW	1.69/3.86	2.44/5.4	3.02/6.62	4.38/9.33	5.91/11.91	7.04/14.73	8.58/17.35	12.41/23.		
		Tamb 30°C	kW	1.59/3.62	2.27/5.02	2.82/6.19	4.11/8.75	5.52/11.14	6.58/13.76	8.03/16.23	11.51/22.0		
		Tamb 35°C	kW	1.48/3.39	2.1/4.64	2.63/5.77	3.85/8.18	5.14/10.37	6.12/12.8	7.48/15.12	10.61/20.3		
		Tamb 40°C	kW	1.38/3.16	1.93/4.27	2.44/5.35	3.58/7.62	4.77/9.61	5.66/11.85	6.93/14.02	9.74/18.6		
		Tamb 45°C	kW	1.28/2.93	1.76/3.91	2.25/4.94	3.32/7.06	4.39/8.86	5.21/10.9	6.39/12.92	8.88/17.0		
	Tev -10°C		kW	1.45/3.31	2.11/4.68	2.62/5.74	3.82/8.13	5.25/10.57	6.14/12.84	7.55/15.26	11.07/21.2		
		Tamb 25°C	kW	1.36/3.11	1.97/4.36	2.45/5.37	3.59/7.65	4.92/9.91	5.76/12.05	7.09/14.34	10.29/19.7		
		Tamb 30°C	kW	1.27/2.91	1.83/4.05	2.29/5.01	3.37/7.17	4.6/9.26	5.38/11.26	6.64/13.42	9.52/18.2		
		Tamb 35°C	kW	1.19/2.72	1.69/3.74	2.13/4.66	3.15/6.7	4.28/8.62	5/10.46	6.18/12.5	8.75/16.7		
		Tamb 40°C	kW	1.1/2.52	1.55/3.43	1.97/4.32	2.93/6.23	3.96/7.98	4.62/9.67	5.73/11.58	8/15.33		
		Tamb 45°C	kW	1.02/2.33	1.42/3.14	1.81/3.98	2.71/5.77	3.64/7.34	4.25/8.88	5.28/10.67	7.26/13.9		
	Tev -20°C		kW	1.15/2.63	1.68/3.71	2.08/4.57	3.08/6.55	4.29/8.66	4.93/10.32	6.12/12.38	8.99/17.2		
		Tamb 25°C	kW	1.08/2.47	1.56/3.45	1.95/4.27	2.89/6.14	4.02/8.11	4.63/9.68	5.75/11.63	8.34/15.9		
		Tamb 30°C	kW	1.01/2.3	1.44/3.2	1.81/3.98	2.7/5.75	3.75/7.57	4.32/9.03	5.38/10.88	7.68/14.7		
		Tamb 35°C	kW	0.93/2.13	1.33/2.95	1.68/3.69	2.52/5.37	3.49/7.03	4.01/8.38	5.01/10.13	7.03/13.4		
		Tamb 40°C	kW	0.86/1.97	1.22/2.7	1.55/3.41	2.34/4.99	3.22/6.49	3.7/7.74	4.64/9.38	6.38/12.2		
		Tamb 45°C	kW	0.79/1.81	1.11/2.46	1.43/3.13	2.17/4.61	2.96/5.96	3.39/7.09	4.27/8.63	5.74/11		
	Tev -15°C	Tamb 20°C	kW	0.9/2.06	1.3/2.89	1.63/3.57	2.43/5.16	3.45/6.96	3.89/8.13	4.87/9.85	7.12/13.6		
		Tamb 25°C	kW	0.84/1.92	1.21/2.67	1.51/3.32	2.27/4.83	3.23/6.5	3.64/7.62	4.58/9.25	6.58/12.6		
		Tamb 30°C	kW	0.78/1.78	1.11/2.47	1.4/3.08	2.12/4.51	3/6.05	3.39/7.1	4.28/8.65	6.02/11.5		
		Tamb 35°C	kW	0.72/1.64	1.02/2.26	1.3/2.84	1.98/4.2	2.78/5.61	3.14/6.57	3.98/8.04	5.46/10.4		
		Tamb 40°C	kW	0.66/1.5	0.93/2.07	1.19/2.61	1.83/3.9	2.56/5.16	2.89/6.04	3.67/7.42	4.9/9.39		
		Tamb 45°C	kW	0.6/1.36	0.85/1.88	1.09/2.38	1.69/3.59	2.34/4.72	2.63/5.51	3.36/6.8	4.34/8.32		



# Condensing units with inverter driven compressor

#### High reliability, low cost and easy installation

- > Power supply 380-400/3N~/50
- > Pressure controlled fan speed controller
- > Crankcase heater
- > Oil separator
- > Power control box with magnetothermic switches + thermal protection + electronic controller
- > Inverter
- Oil separator + condenser fans speed regulator with pressure probe
- > Liquid receiver with safety valve + liquid line
- > HP + LP pressure switches, Crankcase heater
- > Antivibration eliminators on suction and discharge line
- > Condenser with 6 poles axial fans
- > Condensing unit under nitrogen pressure
- > Muffler on discharge line
- > Residential Soundproofing



- > Electrical box: power control box with thermal protection and capacity regulation
- > Soundproofing: double noise insulation (residential)

F			HCI	HC12015B2B1D4R	HC12018B2B1D4R		HC(2030B2B1D4R	HC12050B2B1D4R		HCI4120B2B1D4R	
Frame type						2			3		4
Power supply			V/ph~/Hz					)/3N~/50			
Max absorbed cur			Α	3.0	3.4	4.3	6.0	7.4	10.1	11.8	14.5
Max absorbed pov			kW	1.4	1.7	2.2	3.1	4.2	5.6	6.8	8.5
Working temperat			°C					÷ -40			
Compressor	Type							ermetic			
	Brand							zer			
	Model			2GES-2Y	2FES-2Y	2DES-2Y	4FES-3Y	4DES-5Y	4CES-6Y	4PES-12Y	4NES-14
	Refrigerant							49A			
Condenser	Fin pitch		mm				2	2.1			
	Fans nr.					1				2	
	Fans ø		mm					50			
	Model		ph/p					1-6P			
	Air flow		m³/h		2,943			701	5,850		366
	Noise pressure lev	el at 10 m (50Hz)	dB(A)	34	35	36	37	40	42	45	48
Connections	Suction		Ømm		16	22		28		35	42
	Liquid		Ø mm It			10			_	12	T
	Standard liquid re	2	2.3		5.7		10	21	21		
	PED category					1				2	
	Unit net weight		kg		70	193	208	215	242	330	335
Cooling capacity	Min./Max. Tev 5°C		kW	2.27/5.1	2.82/6.22	3.88/8.38	5.18/10.71	7.14/14.06	9.3/19.06	12.68/23.34	15.36/28.0
		Tamb 25°C	kW	2.1/4.73	2.61/5.77	3.6/7.77	4.8/9.92	6.6/13	8.63/17.68	11.65/21.44	14.12/25.7
		Tamb 30°C	kW	1.93/4.34	2.4/5.3	3.32/7.17	4.42/9.15	6.08/11.96	7.97/16.33	10.63/19.57	12.9/23.5
		Tamb 35°C	kW	1.76/3.95	2.18/4.82	3.05/6.58	4.06/8.4	5.57/10.96	7.33/15.02	9.63/17.73	11.7/21.33
		Tamb 40°C	kW	1.58/3.56	1.96/4.33	2.78/6	3.71/7.68	5.07/9.98	6.71/13.75	8.65/15.93	10.5/19.16
		Tamb 45°C	kW	1.41/3.16	1.74/3.84	2.51/5.43	3.38/6.98	4.59/9.04	6.11/12.52	7.7/14.17	9.33/17.0
	Tev 0°C		kW	1.82/4.09	2.27/5.02	3.19/6.89	4.31/8.91	6/11.81	7.77/15.92	10.69/19.69	13.02/23.7
		Tamb 25°C	kW	1.68/3.79	2.1/4.64	2.94/6.36	3.98/8.22	5.53/10.88	7.19/14.73	9.79/18.02	11.95/21.7
		Tamb 30°C	kW	1.54/3.47	1.92/4.25	2.71/5.85	3.66/7.56	5.07/9.98	6.62/13.56	8.9/16.38	10.89/19.8
		Tamb 35°C	kW	1.4/3.15	1.74/3.85	2.47/5.34	3.34/6.91	4.63/9.11	6.07/12.43	8.03/14.78	9.84/17.9
		Tamb 40°C	kW	1.25/2.82	1.55/3.43	2.24/4.85	3.04/6.29	4.2/8.27	5.53/11.34	7.18/13.21	8.81/16.0
		Tamb 45°C	kW	1.1/2.48	1.36/3.01	2.02/4.36	2.75/5.69	3.79/7.46	5.02/10.29	6.34/11.68	7.79/14.2
	Tev -5°0	C Tamb 20°C	kW	1.43/3.21	1.79/3.96	2.57/5.55	3.52/7.27	4.94/9.73	6.38/13.07	8.83/16.25	10.82/19.7
		Tamb 25°C	kW	1.32/2.97	1.65/3.65	2.37/5.11	3.24/6.69	4.54/8.93	5.88/12.05	8.04/14.81	9.9/18.06
		Tamb 30°C	kW	1.21/2.71	1.51/3.33	2.16/4.68	2.96/6.12	4.14/8.16	5.4/11.05	7.28/13.4	9/16.41
		Tamb 35°C	kW	1.09/2.45	1.36/3	1.97/4.25	2.69/5.57	3.77/7.41	4.93/10.09	6.53/12.02	8.1/14.77
		Tamb 40°C	kW	0.97/2.17	1.2/2.65	1.77/3.83	2.44/5.04	3.4/6.69	4.48/9.17	5.8/10.68	7.22/13.10
		Tamb 45°C	kW	0.84/1.89	1.04/2.29	1.58/3.42	2.19/4.53	3.05/6	4.04/8.28	5.09/9.37	6.35/11.5
	Tev -10°	°C Tamb 20°C	kW	1.09/2.45	1.38/3.05	2.02/4.37	2.81/5.81	3.97/7.82	5.12/10.49	7.1/13.06	8.77/16
		Tamb 25°C	kW	1.01/2.27	1.27/2.8	1.85/4.01	2.57/5.32	3.63/7.15	4.7/9.63	6.43/11.84	8/14.59
		Tamb 30°C	kW	0.92/2.06	1.15/2.54	1.69/3.65	2.34/4.84	3.3/6.5	4.3/8.8	5.78/10.64	7.23/13.2
		Tamb 35°C	kW	0.82/1.84	1.03/2.27	1.52/3.29	2.12/4.38	2.98/5.86	3.9/8	5.14/9.47	6.48/11.8
		Tamb 40°C	kW	0.72/1.61	0.9/1.98	1.36/2.93	1.9/3.94	2.67/5.26	3.53/7.23	4.53/8.33	5.74/10.4
		Tamb 45°C	kW	0.61/1.37	0.76/1.67	1.2/2.59	1.7/3.51	2.38/4.68	3.16/6.48	3.92/7.22	5.01/9.13
	Tev -20	°C Tamb 20°C	kW	0.8/1.81	1.02/2.26	1.55/3.34	2.18/4.51	3.1/6.1	4/8.19	5.51/10.15	6.9/12.59
		Tamb 25°C	kW	0.74/1.66	0.94/2.07	1.41/3.04	1.98/4.1	2.81/5.54	3.65/7.48	4.95/9.12	6.25/11.4
		Tamb 30°C	kW	0.67/1.5	0.84/1.86	1.27/2.74	1.79/3.7	2.53/4.99	3.31/6.79	4.41/8.11	5.61/10.2
		Tamb 35°C	kW	0.59/1.32	0.74/1.64	1.13/2.45	1.61/3.32	2.27/4.46	2.99/6.13	3.87/7.13	4.98/9.09
		Tamb 40°C	kW	0.5/1.12	0.63/1.4	1/2.15	1.43/2.96	2.01/3.96	2.68/5.49	3.35/6.17	4.36/7.96
		Tamb 45°C	kW	0.41/0.92	0.51/1.13	0.86/1.86	1.26/2.61	1.77/3.48	2.38/4.88	2.85/5.25	3.75/6.85
	Tev -15°		kW	0.56/1.26	0.72/1.58	1.13/2.45	1.63/3.36	2.32/4.56	3/6.15	4.09/7.53	5.22/9.5
	100 15	Tamb 25°C	kW	0.51/1.14	0.65/1.44	1.02/2.2	1.46/3.03	2.08/4.09	2.72/5.57	3.62/6.67	4.68/8.5
		Tamb 30°C	kW	0.45/1.01	0.58/1.28	0.91/1.96	1.31/2.7	1.85/3.64	2.44/5.01	3.16/5.82	4.14/7.5
		Tamb 35°C	kW	0.38/0.86	0.56/1.26	0.79/1.71	1.16/2.39	1.63/3.04	2.18/4.46	2.72/5	3.61/6.59
		Tamb 40°C	kW	0.31/0.7	0.3/1.1	0.79/1.71	1.01/2.09	1.03/3.2	1.92/3.94	2.72/3	3.1/5.65
		Tamb 45°C	kW	0.31/0.7	0.4/0.69	0.66/1.4/	0.87/1.8	1.42/2.79	1.92/3.94	1.86/3.43	2.59/4.73
		IaiiiD 45 C	KVV	0.23/0.32	0.5/0.00	0.3//1.23	U.0// I.0	1.22/2.39	1.00/3.43	1.00/3.43	2.39/4./



## Why choose ZEAS?

Whether it is restaurants, supermarkets or event halls – Zeas from Daikin is as individual as the requirements of the industries where it is used.

#### High energy efficiency

- Daikin DC inverter scroll compressor with economizer technology
- > DC inverter fan technology
- > Eco-design compliant

#### Reliable operation

- Zeas condensing units are rigorously tested on the assembly line
- > Proven inverter scroll technology
- > Proven onboard innovating economizer technology
- > Anti-corrosion treatment on the housing ensures long life even in extreme conditions

#### > Lower energy bills

The use of Daikin proven DC technology results in lower energy bill compared to the use of standard ON/OFF units and even other capacity controller refrigeration units

#### Our units are future proof

Combining Daikin innovating economizer technology with in house DC technology results in very high efficient units allowing us to outperformed the most severe eco-design minimum performance for the coming decade

#### **BENEFITS**

**BENEFITS** 

#### > Optimal food conservation

Accurate temperature and humidity control can be easily suited to the requirements for different foods and beverages resulting in less waste of precious products

#### > Longer lifetime expectation of our compressor

Less thermal stress on our bearings and motor windings due to the implementation of Daikin High guality DC technology in our compresso

#### > Longer lifetime expectations of our units

The use of our innovating economizer technology in our units guarantee that our the compressor always operates within his operating envelop even in the most harvest conditions: excessive superheat at the inlet of the compressor resulting from improper quality of installation on the refrigerated cabinets side

#### No leaks

Each new Daikin designed unit is put on a vibration plate in the factory to be sure that no leak and component damage can occur during transport. Even further, in the assemble line the Zeas unit undergo several leak test

#### > No "dead on arrival"

All units leaving the factory have already run at the end of the assembly line

#### Lower installation cost

Due to the use of the onboard economizer technology and the use of the correct low GWP refrigerant we only required the use of smaller pipes compared to other traditional systems, thus also lowered the refrigerant charge of the system



#### Small foot print and low weight

- > Extremely compact and space-saving design
- > Easy to install, even in the smallest spaces
- > Indoor installation possible
- > Best surface to capacity ration on the market
- > Low weight thanks to compact design

#### Peace of mind

- > Quiet operation, unobtrusive for customers and neighbours
  - High grade sound on panels and compressors
  - Condenser fans designed to limit the noise
- 4 low noise operation settings including night
- > Wide temperature range allows multiple cabinet, freezer and cold room combinations

#### Intelligent control

- > Unit can be connected to third party monitoring system
- > Remote control of target evaporation temperature, reset errors and other functions
- > Refrigeration unit can be controlled remotely through a power full interface

#### Only light weight supporting structures are required

- No special crane are required

Happy neighbours

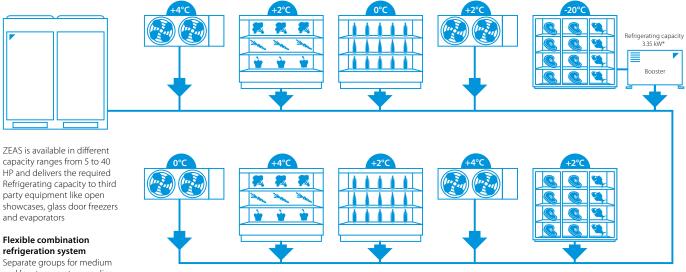
Peace of mind

#### BENEFITS

**BENEFITS** 

**BENEFITS** 

# ZEAS, the smart choice for medium and low temperature refrigeration



and low temperature cooling, each with multiple cabinets and different temperatures. This flexibility and energy savings of up to 50% are only possible with ZEAS-systems.

#### Operating range

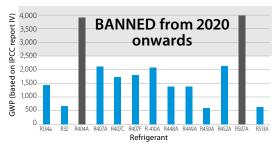
Ambient temperatures: -20°C to +43 °C Evaporating temperatures: -45°C to +10°C

- \* Te = -35°C, Tc = -10°C, 10 K SH, Tamb = 32°C
- \* Only Zeas. Not applicable for Mini-Zeas and Multi-Zeas

# Why R-410A?

R-410A is a lower GWP refrigerant (less than 2,500) than R404A and is fully F-gas compliant. It's future proof: it can be used even after 2030!

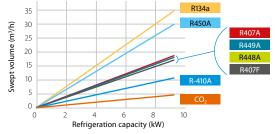
#### Use of refrigerant in refrigeration system with a refrigeration lower than 40 kW



#### Contributes to reducing installation cost and refrigerant charge

R-410A is a high pressure refrigerant which for the same swept volume can deliver much more refrigeration capacity than standard mid pressure and low pressure refrigerants.

#### Delivered capacity per used refrigerant

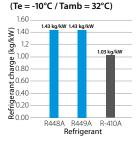


This means that for the same delivered refrigeration capacity we can use smaller components, thus reducing the installation cost and the amount of refrigerant charge in the system!

#### For a capacity of 8.4 kW $(Te = -10^{\circ}C / Tamb = 32^{\circ}C)$

Refrigerant	Suction piping diameter
R134a	1 1/8"
R407A	7/8"
R407F	7/8"
R448A	7/8"
R449A	7/8"
R450A	1 1/4"
R-410A	3/4"
CO <sub>2</sub>	1/2"

Refrigerant charge per used refrigerant



#### R-410A is also:

- > an easy to handle, common used refrigerant in the air conditioning world, therefore it is easy to find an installer which can work with this refrigerant, compared to CO<sub>2</sub>, Ammonia and Propane.
- > an A1 refrigerant, therefore no special safety measurements are required.



# Mini-ZEAS condensing unit

#### Refrigeration solution for small food retailers

- Inverter technology guarantees optimal food conservation by ensuring an accurate temperature and humidity control
- > The economized scroll contributes to a longer lifetime expectation of the refrigeration equipment and less maintenance requirement
- > The use of R-410A refrigerant allows the use of smaller piping diameters, thus reducing the refrigerant content in the system helping to lower our CO<sub>2</sub> footprint. R-410A is fully compliant with the latest F-Gas regulation and can be still used after 2020 and beyond
- > The DC economized compressor improves drastically the efficiency of the unit, thus helps lowering the energy bill!
- > Lowest sound level in the market down to 31 dBA. Sound level can be even further reduced thanks to the low noise modes
- > The weight of the unit is very low, therefore the unit can even be mounted on the wall
- > Up to 75% smaller than equivalent products in the market, ideal for those places where space is limited
- Advanced software solution for easy system configuration and commissioning



More details and final information can be found by scanning or clicking the QR codes.



LRMEO-BY1



LRLEO-BY1

Medium Tempera			LRMEQ/LRLEQ	3BY1	4BY1	3BY1	4BY1
Connectable	Minimum	~Maximum	n %		50~	100	
capacity							
Refrigerating	Low	Nom.	kW	500	-	2.78 (1)	3.62 (1)
capacity	Medium	Nom.	kW	5.90	8.40	(1)	-
Power input	Low	Nom.	kW	2.52	- 2.65	2.60 (1)	3.41 (1)
con	Medium	Nom.	kW	2.53	3.65		-
COP	Medium	Nom.	T 2505	2.33	2.30		-
Seasonal energy performance ratio SEPR	R-410A	Te -10°C - '	le -35℃	4.17	4.08	1.74	1.68
Annual electricity consumption Q	R-410A	Te -10°C -	Te -35°C kWh/a	8,698	12,651	11,920	16,048
Parameters at part load and ambient temp. 25°C (Point B)		Te -10°C - Te -35°C	Declared COP (COPB)	2.93	2.87	1.26	1.23
Parameters at full	R-410A	Te -10°C	Rated COP (COPA)	2.33	2.30		-
oad and ambient		Te -35°C	Rated COP (COPA)		-	1.07	1.06
emp. 32°C (Point A)		Te -10°C - Te -35°C		5.90	8.40	2.78	3.62
			Rated power kW input (DA)	2.53	3.65	2.60	3.41
Parameters at full	R-410A	Te -10°C	Declared COP (COP3)	1.51	1.48		-
oad and ambient		Te -35°C	Declared COP (COP3)		-	0.59	0.66
emp. 43°C		Te -10°C - Te -35°C	Cooling capacity kW (P3)	5.28	7.22	2.13	3.02
		_	Power input (D3) kW	3.50	4.89	3.58	4.57
Parameters at part oad and ambient temp. 15°C (Point C)			Declared COP (COPC)	4.12	3.92	1.	63
Parameters at part oad and ambient temp. 5°C (Point D)	R-410A	_	Declared COP (COPD)	5.15	5.20	2.13	1.98
Dimensions	Unit	HeightxW	/idthxDepth mm		1,345x9	00x320	
Veight	Unit		kg		126		30
leat exchanger	Туре		9		Cross t		
Compressor	Type				Hermetically sealed		
•	Starting n	nethod			Direct on line (i		
an	Type				Prop		
	Quantity						
	Air flow rat	e Cooling	Nom. m³/min		10	6	
an motor	Output		W		7	0	
	Drive				Direct	drive	
ound pressure leve	l Nom.		dBA	5	51 (1)	51.0	0 (2)
Piping connections	Liquid	OD	mm		9.	52	
	Gas	OD	mm		19	1.1	
Refrigerant	Type/GWI	>			R-410A	/2,087.5	
Refrigerant	Charge		kg/TCO2Eq	4.5	0/9.39	6.90	)/14.4
	Control				Electronic ex	oansion valve	
Power supply	Phase/Fre	quency/Vo	ltage Hz/V		3N~/50/	380-415	

# **ZEAS** condensing unit for commercial refrigeration with scroll technology

Refrigeration solution for medium to large capacity applications featuring proven VRV technology

- > One model for all applications from -45°C to 10°C evaporating temperature
- > Perfect solution for all cooling and freezing applications with variable load conditions and high energy efficiency requirements. In particular used in supermarkets, cold storage, blast coolers and freezers etc.
- > DC inverter scroll compressor with economiser function results in high energy efficiency and reliable performance
- > Reduced CO<sub>2</sub> emissions thanks to the use of R-410A refrigerant and low energy consumption
- > Factory tested and pre-programmed for quick and easy installation and commissioning
- > VRV (Variable Refrigerant Volume) technology for flexible application range
- > Increased installation flexibility thanks to limited dimensions
- > Low sound level including "night mode" operation
- > For small freezing capacity, single ZEAS units can be connected to a booster unit
- > Dedicated unit to allow multi combination of 2 x 15 HP or 2 x 20 HP resulting in less pipework or installation time



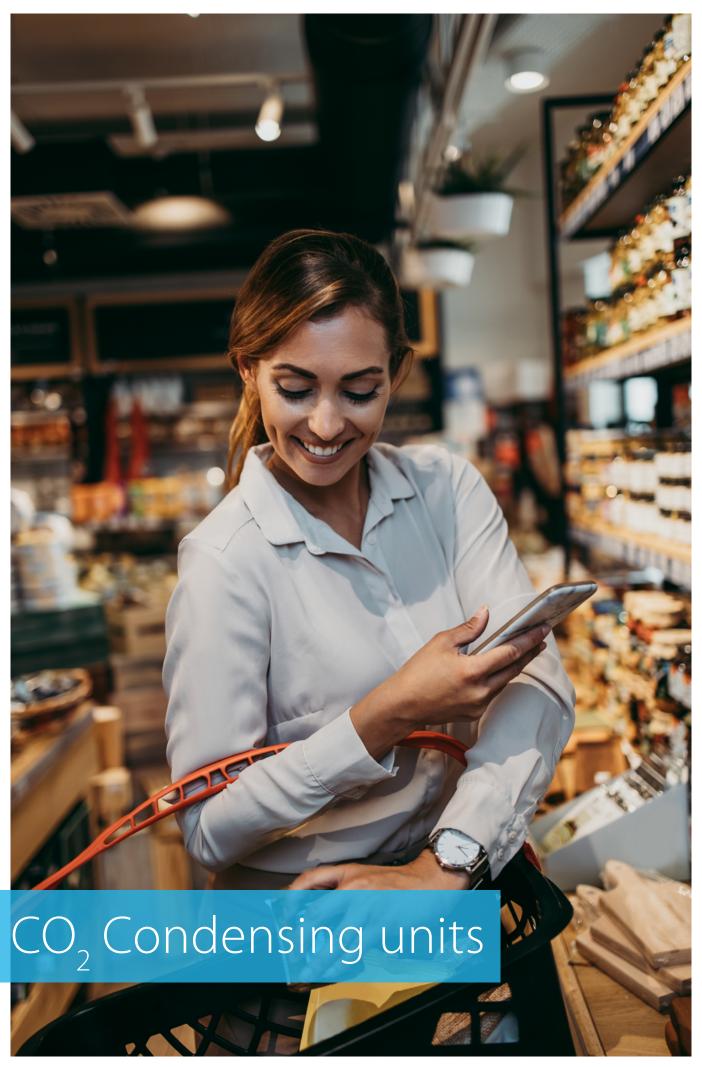
More details and final information can be found by scanning or clicking the QR codes.



LREO-BY1

		LR	EQ-BY1	5	6	8	10	12	15	20		
Low temperature	Nom.		kW	5.51 (1)	6.51 (1)	8.33 (1)	10.0 (1)	10.7 (1)	13.9 (1)	15.4 (1)		
Medium temperature	Nom.		kW	12.5 (2)	15.2 (2)	19.8 (2)	23.8 (2)	26.5 (2)	33.9 (2)	37.9 (2)		
Low temperature	Nom.		kW	4.65 (1)	5.88 (1)	7.72 (1)	9.27 (1)	9.89 (1)	12.8 (1)	14.1 (1)		
Medium temperature	Nom.		kW	5.10 (2)	6.56 (2)	8.76 (2)	10.6 (2)	12.0 (2)	15.2 (2)	17.0 (2)		
R-410A	Te -10°C			3.86	3.79	3.64	3.42	3.51	3.38	3.23		
	Te -35°C			1.80	1.77	1.84	1.88	1.80	1.70	1.70		
P-410A			kWh/a							72,030		
					-	· · · · · · · · · · · · · · · · · · ·			· ·	67,325		
Β-410Δ		Rated COP				-	,		. ,			
11 41071						2.20		2.21				
P 410A						1.40		1.47		1.51		
										0.74		
		Declared CO	* *	0.76	0.74	0.08		U.	./1	0.74		
Unit									1 10	140		
				- 6.	35				1,2	40		
11. 1.	Depth					1			224	227		
			kg	16	06				331	337		
			147	2.600	2.222	1			2.600	2 10-		
										3,400		
	ent									35.8		
			rpm	5,280	6,540				5,280	6,960		
					-			2,900				
			rpm			-			2,9	900		
							Propeller fan					
			_				1			2		
	Cooling	Nom.				171		191		240		
			W	3.	50				350	750		
							Direct drive					
						-				750		
				55.0 (3)	56.0 (3)	57.0 (3)		61.0 (3)	62.0 (3)	63.0 (3)		
	Cooling	Max.~Min.	°CDB									
								5				
Charge										1.5		
			TCO₂eq	10	).9			24.0				
				Electronic expansion valve								
Phase/Frequency	y/Voltage		Hz/V				3~/50/380-415					
		LR	EO-BY1		30				40			
Outdoor unit mo	dule 1				LREO15BY	/1R		LF	EO20BY1R			
			kW									
Medium temperature	Nom.		kW	30.4					34.0			
			kW		25.6				27.6			
Low temperature			17.4.4									
Low temperature			dBA		65.0				66.0			
Nom. Liquid			dBA		65.0		ø 19.05		66.0			
	Medium temperature Low temperature Medium temperature Medium temperature R-410A R-410A R-410A R-410A Unit Unit Type Type Output Priston displacem Speed Starting method Output Speed Output Speed Output Speed Type Quantity Air flow rate Output Drive Output Nom. Evaporator Type / GWP Charge Control Phase/Frequency Outdoor unit mo Outdo	Medium temperature Low temperature Nom. Medium temperature R-410A Te-10°C Te-35°C R-410A R-410A Te-10°C Te-35	Low temperature Medium temperature Nom.  Medium temperature Nom.  Medium temperature Nom.  Medium temperature Nom.  Medium temperature Nom.  R-410A Te -10°C Te -35°C  R-410A Te -10°C Rated COP Te -35°C  R-410A Te -10°C Declared CO Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Declared CO Te -35°C Declared CO Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Declared CO Te -35°C Declared CO Te -35°C Declared CO Te -35°C Declared CO Te -35°C Declared CO Te -35°C Declared CO Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Declared CO Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Reted COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Rated COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted COP Te -35°C Reted	Medium temperature       Nom.       kW         Low temperature       Nom.       kW         Medium temperature       Nom.       kW         R-410A       Te -10°C       Te -35°C         R-410A       Te -10°C       Rated COP (COPA)         Te -35°C       Rated COP (COPA)       Te -35°C         R-410A       Te -10°C       Rated COP (COPA)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Te -35°C       Declared COP (COP3)         Well memberature       W         Worth       Member M	Low temperature   Nom.   Medium temperature   Nom.   No	Low temperature   Nom.   kW   5.51 (1)   6.51 (1)	Low temperature   Nom.   kW   5.51 (1)   6.51 (1)   8.33 (1)	Low temperature   Nom.   KW   5.51 (1)   6.51 (1)   8.33 (1)   10.0 (1)	Low temperature Nom.	Low temperature Nom.		

(1) Cooling: evaporating temp. -10°C; outdoor temp. 32°C; suction SH10°C (2) Cooling: evaporating temp. -35°C; outdoor temp. 32°C; suction SH10°C (3) Sound pressure data: measured at 1m in front of unit, at 1.5m height | RLA is based on following conditions: outdoor temp. 32°CDB; suction SH 10°C; saturated temperature equivalent to suction pressure -10°C





# CO<sub>2</sub> ZEAS refrigeration condensing unit

Refrigeration solution for various application featuring award winning swing technology with heat recovery to water possibility

- Condensing units ideal for commercial and industrial applications with variable cooling capacity
- > Compressor controlled by inverter
- > Daikin swing compressor
- > Suitable for outdoor use in different climatic conditions
- > Wide range of capacities



More details and final information can be found by scanning or clicking the QR codes.



Low Temperature Refrigeration, He	e Refrigeration, Medium Ten eat Recovery	nperature	LREN	8AY1	10AY1	12AY1	12AY1+LRNUN5AY1		
Refrigerating	Low temperature	Nom.	kW	11.2 (1)	13.5 (1)	15.5 (1)	17.3 (1)		
capacity	Medium temperature	Nom.	kW	19.8 (2)	23.1 (2)	26.3 (2)	31.7(2)		
Power input	Low temperature	Nom.	kW	11.6 (1)	14.1 (1)	16.9 (1)	18.6 (1)		
	Medium temperature	Nom.	kW	10.7 (2)	13.2 (2)	15.5 (2)	20.1 (2)		
COP	Medium temperature	Nom.		1.86 (2)	1.75 (2)	1.69 (2)	1.58 (2)		
Dimensions	Unit	HeightxWidthxDepth	mm		1,680x1,930x765		-		
Weight	Unit		kg		547		-		
Heat exchanger	Туре			Cross fin coil (	waffle louver fins a	and Hi-X tubes)	-		
Compressor	Туре			Hermetica	ally sealed swing c	ompressor	-		
	Output		W		4,600.0		-		
	Piston displacement		m³/h		6.16		-		
	Starting method			Direc	t on line (inverter	driven)	-		
Fan	Type		Propeller fan		-				
	Quantity		3		-				
	Air flow rate	Cooling Nom.	m³/min	285	(3)	315 (3)	-		
Fan motor	Output		W		750		-		
	Drive				Direct drive		-		
Sound pressure	Nom.		dBA	61.0 (5)	62.0 (5)	64.0 (5)	65.0 (4)		
level	Low noise mode 1		dBA	59.0 (4)	59.0 (4)	61.0 (4)			
	Low noise mode 2		dBA	53.0 (4)	54.0 (4)	56.0 (4)			
Piping connection	ns Liquid	OD	mm			15.9			
	Gas	OD	mm			22.2			
Refrigerant	Type/GWP			R744 (CO2)/1.0					
	Charge		kg	0.00 (4)					
	Control			Electronic expansion valve					
Power supply	Phase/Frequency/Voltage		Hz/V			3N~/50/380-415			

(1)Rated conditions: saturation temperature equivalent to suction pressure: -10°C (MT), outdoor temp. 32°C, Suction SH 10K | (2)Rated conditions: saturation temperature equivalent to suction pressure: -10°C (MT), outdoor temp. 32°C, Suction SH 10K | (3)Outdoor Unit Total Airflow | (4)The unit is not pre-charged. A minimal rest charge is present related to factory quality inspection | (5)Sound pressure data: measured at 1m in front of unit, at 1.5m height. Nominal operation condition – Medium evaporation temperature (MT) | Minimum load of each individual refrigeration indoor unit: 3 KW (for Medium Temperature Operation) | Minimum load of each individual refrigeration indoor unit: 2 KW (for Low Temperature Operation). | Every compressor equipped with 1 accumulator of 0.909 liters. | Compressor 1 | Compressor 2 | Compressor 3 | Factory charge of unit | For MT (Medium Temperature) Operation | For LT (Low Temperature) Operation | Compressor 1: 2Y190CPCYIP#C; Compressor 3: 2Y190CPCYIP#C; Compr





# **Hubbard Condensing units** with CO<sub>2</sub> refrigerant



- > Transcritical CO<sub>2</sub> Commercial Condensing Units for food retailers
- > Wide range of capacities: 2 to 10HP MT
- > Designed for quiet and energy-saving operation
- > Inverter technology reduces energy consumption by up to 30%
- > EC fans work efficiently and quietly
- > Easy and flexible installation > Designed as plug & play solutions

can be found by scanning or

clicking the QR codes.



GCU 2020 PXB1 GCU 2040 PXB1 GCU 4070PXB1 **Medium Temperature** HP Capacity 3 1.80 Min. kW 3.25 6.25 Max 3.39 6.50 12.54 Ph./Hz./VAC 3PH/50Hz/400VAC Power & Energy EcoDesign (2009/125/EC) 8.64 16.04 18.25 COP/SEPR 1.87/3.57 SEPR 3.24 SEPR 2.92 SEPR kWh/a 5,840 12,307 26,393 2 Stage (Intercooler) Compressor Compression Panasonic Hermetic Rotary Type Cap Ctrl. ABB Frequency Inverter RPM 2,200 ~ 4,200 2,200 ~ 4,800 1,800 ~ 3,600 Qty. DAPHNE PZ68S Oil 0.7 1.80 1.15 Gas cooler fans Type Ebmpapst EC Qty. 2 m³/s 1.05 2.10 Ø (dia.) 450 mm Sound pressure 40.0 48.0 (10 m) dB(A) 45.0 Type/GWP Refrigerant R744/1 Reciever volume 12.50 20.00 25 35 Standard pipe run 40 m 3/8"/K65 1/2"/K65 Inch/Type Liquid connections Inch/Type 3/8"/K65 1/2"/K65 Suction connections Standard yes/Turboil Oil seperator nο N/A Oil level control Standard Cappillary LxDxH 1,452x574x799 1,684x773x1,438 Dimensions Unit mm Surface area 0.83 1.29 Weight 151 155 285 kg RAL Light Grey RAL 7035 (Powder Coated & Baked) Colour CAREL pRack pR300 Electronic Controller Controller Туре High side PRV Bar N/A 120 Intermetdiate PRV 90 80 Bar Compressor HP Switch Standard Yes x1 PED 2014/68/EU Category Cat. III

GCU-PXB1

<sup>\*</sup> Nominal Tevap. -10°C | Tamb +32°C | 10K Superheat

# **Hubbard Condensing units** with CO<sub>2</sub> refrigerant



- > Transcritical CO<sub>2</sub> Commercial Condensing Units for food retailers
- > Wide range of capacities: 4 to 10HP LT
- > Designed for quiet and energy-saving operation
- > Inverter technology reduces energy consumption by up to 30%
- > EC fans work efficiently and quietly
- > Easy and flexible installation



can be found by scanning or HCU-PXB1 clicking the QR codes.

<b>Low Temperature</b>	e		HCU2040PXB1	HCU4070PXB1
Capacity *		HP	4HP	10HP
	Min.	kW	1.7	3.3
	Max.		3.03	6.56
Power & Energy		Ph./Hz./VAC	3PH/50H	Hz/400VAC
EcoDesign	FLC	A	16.04	18.25
(2009/125/EC)	COP/SEPR		1.5	1.55
		kWh/a	15,046	31,478
Compressor	Compression	1		Intercooler)
	Туре			ermetic Rotary
	Cap Ctrl.		ABB Frequ	ency Inverter
	RPM		2,700 to 4,800	1,800 to 3,600
	Qty.			1
	Oil		Daphr	ne PZ68S
			1.15	2.3
Gas cooler fans	Type		Ebmp	papst EC
	Qty.			1
		m³/s	1.05	2.1
	Ø (dia.)	mm		150
Sound pressure	(10 m)	dB(A)	45	48
Refrigerant	Type/GWP			744/1
Reciever volume			12.5	20
Standard pipe run		m	35	40
Liquid connection		nch/Type	3/8" (K65)	1/2" (K65)
Suction connection		nch/Type		(K65)
Oil seperator	Standard			Turboil
Oil level control	Standard			pillary
Dimensions	Unit L	x D x H mm	1,452x574x799	1,684x773x1,438
Surface area		m <sup>2</sup>	1111	1.29
Weight		kg		300
Colour		AL		Powder Coated & Baked)
Controller	Type			tronic Controller & Ultracap
High side PRV		Bar		120
Intermetdiate PRV		Bar		80
Compressor HP Sv	witch S	tandard		es x1
PED 2014/68/EU	Category		Ca	at. III

<sup>\*</sup> Nominal Tevap -35°C | Tamb +32°C | 10K Superheat



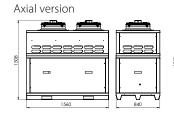
# Compact CO<sub>2</sub> transcritical

Compact compressor racks fully equipped with gas cooler (CO<sub>2</sub>) to generate cold both with CO<sub>2</sub> transcritical cycle

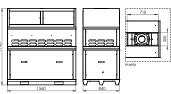
- > Double V battery (NV58 only).
- Greater exchange surface that allows a lower refrigerant flow and charge.
- A battery can act as an evaporator in case of heat demand and when cold generation is not required (optional rhx plus nv58).
- > Electrical panel with controller and disconnect switch with external control.
- > NV58 drivable EC fans.
- > Reduced footprint.
- > EPOXY resin treatment option for battery protection.
- > Two independent modules to contain the compressors and the gas cooler
- > Condenser with 5 mm tubes (high performance) and with low refrigerant charge.
- > VF on the first compressor of each group.
- > Gas cooler with EC fans and maximum pressure of 120 bar.
- > Optional: up to 1 exchanger (RHX or IHX).
- > It covers refrigeration services in one or two temperatures, working as a booster.
- > Design pressures:
  - MP (MT Suction): 52 bar.
  - LP (LT Suction): 30 bar.
  - IP (Receiv. and liquid line): 70 bar.
  - HP (Discharge): 120 bar.



# FNV42



#### Radial version





1 to 2 piston compressors



Low noise level [Optional]



1 to 3 scroll compressors



Electrical panel



Axial/Radial AC/EC versions



Electronic control [Optional]



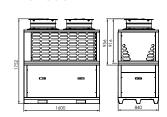
Outdoor unit [Axial]



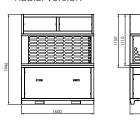
Proportional Modul. [Optional]

#### FNV58

Axial version



Radial version



	NV42 CO <sub>2</sub>						
Application		MT + LT					
Cooling capacity	kW	12 kW	12 + 4 kW	18 + 4 kW			
Number of compressors	nº	1	1+1	1+1			
Inverter compressors	nº	1	1+0	1+0			
Extra Equipment	Tipo	RHX	RHX	RHX			
Recovery (max)	kW	13 kW	13 kW	13 kW			

	NV58 CO <sub>2</sub>					
Application		N	1T	MT + LT		
Cooling capacity	kW	32 kW	36 kW	28 + 4 kW	32 + 4 kW	
Number of compressors	nº	1	2	1+1	2+1	
Inverter compressors	nº	1	1	1+0	1+0	
Extra Equipment	Tipo	RHX	RHX	RHX	RHX	
Recovery (max)	kW	23 kW	25 kW	23 kW	25 kW	

<sup>\*</sup> Calculation conditions: Tev MT -8°C, Tev LT -32°C, Tsgc +35°C.



# Compact CO<sub>2</sub> transcritical

# Compact compressor racks fully equipped for cold generation with CO<sub>2</sub> in transcritical cycle

- > Double V battery.
- > Greater exchange surface, that allows a lower refrigerant flow and charge.
- > Possibility of installing a heat recovery unit.
- > Electrical panel with controller and disconnect switch with external control.
- > Two independent modules to contain the compressors and the gas cooler.
- > NV58 drivable EC fans.
- > EPOXY resin treatment option for battery protection.
- > Complete solution.
- > Plug & Play.
- > Indoor & outdoor.
- > Gas Cooler included.
- > 360° access.
- > Compact equipment.
- > Soundproofing.
- > Selectable electronic brand.
- Condenser with 5 mm tubes (high performance) and with low refrigerant charge.
- > Optional: proportional compressor.





NOVA66: 360° accessibility



#### **AXIAL VERSION NV66**

#### Fans

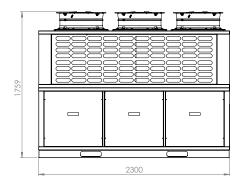
> 3x Ø500 mm

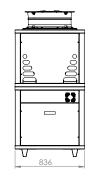
#### Air flow

> 24,000 m<sup>3</sup>/h

#### Sound pressure at 10 m

> 46 up to 57 dB(A)







RHX



PS 120 / 70 / 52 / 30 Bar



Plug & Play



Emergency unit



Compact design



#### **RADIAL VERSION NV66**

#### W

> 3x Ø500 mm

#### Air flow

**Fans** 

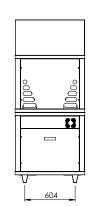
> 22,500 m<sup>3</sup>/h

#### Available pressure

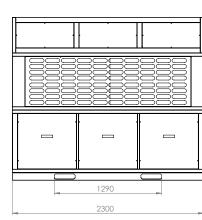
> 100 Pa

#### Sound pressure at 10 m

> 50 up to 56 dB(A)



Selectable electronic brand



	NV66 CO <sub>2</sub>						
Application		Λ	ΤΝ	MT + CP			
Cooling capacity	kW	44 kW	54 kW	63 kW	40 + 4 kW		
Number of compressors	nº	2	3	2+1	2+1		
Inverter compressors	nº	1	1	1+1	1+0 (opt.)		
Extra equipment	Tipo	IHX / RHX	IHX / RHX	IHX / RHX	IHX / RHX		
Recovery (max)	kW	30 kW	38 kW	40 kW	30 kW		

<sup>\*</sup> Calculation conditions: Tev MT -8°C, Tev LT -32°C, Tsgc +35°C.



# **Compact transcritical** CO<sub>2</sub> compressor racks

#### Compact compressor racks fully equipped for cold generation with CO<sub>2</sub> in transcritical cycle

- > Double V battery with great exchange surface and lower flow rate required.
- > Two independent modules to contain the compressors and the gas cooler.
- > 360° accessible.
- > Up to 5 compressors.
- > 3 air outlet configurations.
- > Electrical panel with controller.
- > Multiple possibilities of loading and transportation.
- > Complete solution.
- > Plug & Play.
- > Indoor & outdoor.
- > Gas Cooler included.
- > 360° access.
- > Compact equipment.
- > Soundproofing.
- > Selectable electronic brand.
- > Parallel compressor (option).
- > Oil separator accumulator.
- > 90 l liquid receiver with internal exchanger for connection to the emergency
- > Two electronic refrigerant level sensors (high and low level).
- > Emergency unit on board.
- > Parallel compressor (option).
- > Copper pipes and connections.
- > Frequency inverter for the first MT compressor and optional for the LT compressor.
- > Selectable electronic brands: Tewis (EWCM9000pro), Danfoss (AK-PC 772) or Carel (pRack PR300T).
- > Axial/radial fans option.
- > RHX option.
- > Design pressures:
- MP (MT Suction): 52 bar.
- · LP (LT Suction): 30 bar.
- IP (Receiver and liquid line): 70 bar.
- HP (Discharge): 120 bar.



RHX



Emergency unit

Selectable



PS 120 / 70 / 52 / 30 Bar



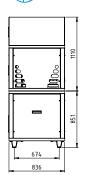
Compact design

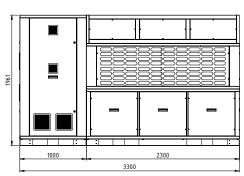


Plug & Play

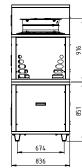


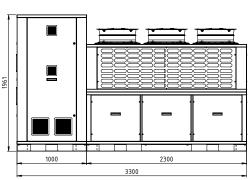
# RADIAL VERSION











		GNV66**291XBX	GNV66**045XBX	TNV66**951YBX	TNV66**921YBX	TNV66**170XBX	TNV66**042XBX	TNV66**301XBX	TNV66**965YBX	TNV66**767XDX	
Application	pplication MT				MT + LT						
Compressor			Bitzer						Dorin		
Capacity MT*	kW	47.37	70.05	43.44	49.33	66.12	46.52	63.31	28.42	37.27	
Capacity LT*	kW	_	_	3.9	3.9	3.9	6.68	6.68	6.68	7.27	
MT compressors		1x 4JTC-15K (V.F.)	1x 4JTC-15K (V.F.)	1x 4JTC-15K (V.F.)	1x 4MTC-10K (V.F.)	1x 4JTC-15K (V.F.)	1x 4MTC-10K (V.F.)	1x 4JTC-15K (V.F.)	1x 4MTC-10K (V.F.)	1x CD4120-9.2H (V.F.)	
Wir compressors		+ 1x 4HTC-15K	+ 2x 4HTC-15K	+ 1x 4HTC-15K	+ 2x 4KTC-10K	+ 2x 4HTC-15K	+ 2x 4KTC-10K	+ 2x 4HTC-15K	+ 1x 4KTC-10K	+ 1x CD490-9.2M	
LT compressors		_	_	1x 2MSL-07K	1x 2MSL-07K	1x 2MSL-07K	2x 2MSL-07K	2x 2MSL-07K	2x 2MSL-07K	2x CDS101B	

	TNV66**919YBX	TNV66**762XDX	TNV66**768XDX	TNV66**310XBX	TNV66**322XBX	TNV66**966YBX	TNV66**769XDX	TNV66**775XDX	TNV66**323XBX
Application		MT + LT							
Compressor	Bitzer	Do	orin Bitzer			Dorin		Bitzer	
Capacity MT* kV	44.96	26.44	34.8	42.09	58.88	23.99	30.85	41	55.82
Capacity LT* kV	8.26	9.68	9.68	11.1	11.1	11.1	13.54	13.54	14.16
MT compressors	1x 4MTC-10K (V.F.)	1x CD490-6.4H (V.F.)	1x CD4120-9.2H (V.F.)	1x 4MTC-10K (V.F.)	1x 4JTC-15K (V.F.)	1x 4MTC-10K (V.F.)	1x CD4120-9.2H (V.F.)	1x CD490-6.4H (V.F.)	1x 4JTC-15K (V.F.)
Wir compressors	+ 2x 4KTC-10K	+ 1x CD490-9.2M	+ 1x CD490-9.2M	+ 2x 4KTC-10K	+ 2x 4HTC-15K	+ 1x 4KTC-10K	+ 1x CD490-9.2M	+ 2x CD490-9.2M	+ 2x 4HTC-15K
LT compressors	1x 2JSL-2K	2x CDS151B	2x CDS151B	2x 2KSL-1K	2x 2KSL-1K	2x 2KSL-1K	2x CDS181B	2x CDS181B	2x 2JSL-2K

<sup>\*</sup> Calculation conditions: Tev MT -8°C, Tev LT -32°C, Tsgc +35°C.





# Compressor packs & racks



## Multi compressor units

# Standard configuration

#### Basic frame version:

› Basic frame made from folded and painted steel sheet, screwed with bolts to make a basic structure to fix the components on it

#### Basic refrigeration system:

- > Each compressor is fitted with shut-off valves on suction line and discharge line
- > The compressors are fixed to the frame through rubber anti vibration supports
- > The oil system is through a oil separator, oil equalization is through a header fitted in the compressors oil sight glasses
- According to the number of compressors fitted, there are one or two oil level indicators, fitted into the equalization header
- > The refrigerating system is equipped with liquid receiver, if the receiver is more than one, the installation is made in parallel with a safety valve; a dehydration cartridge filter, interchangeable, liquid level alarm, liquid sight glass and shut off valves
- > On suction line there is a mechanical cartridge filter, interchangeable



- > Mechanical oil equalization system
- > Electronic oil distribution system
- > Closed frame
- > Closed frame with simple sound proofing material
- > Closed frame with double layer sound proofing material
- > Anti-vibration supports
- > Oversized liquid receiver
- > Different voltage and/or frequency
- > EWCM 4180 Electronic card
- > XC1000D-EWCM9100 Electronic card

## Standard features

- > Metal open frame with electrical switchboard
- > Compressor parallel with discharge and suction header
- > Liquid receiver
- > Liquid line
- > High and low pressure switch
- > Electrical switchboard complete with electronic control

# Single Screw compressor

The single screw compressor consists of a main single screw and two gate rotors. They are designed for high capacities and optimal performances through the step less capacity control.









# Compact CO<sub>2</sub> mini compressor racks

Mini compact compressor racks with less than 1 m<sup>2</sup> footprint, highly competitive, with CO<sub>2</sub> in transcritical cycle for cold generation

- > Highly accessible front opening door with hinges.
- > Lateral practicable door.
- > Vertical liquid receiver with exchanger prepared for connection to the emergency unit.
- > Practicable electrical panel with controller and complete wiring.
- > Compatible with Tewis remote management systems.
- > Adapted design for proper loading and transportation.
- > Up to 2 MT compressors and 1 LT compressor.
- > 360° access for easy maintenance.
- > Oil separator accumulator.
- > Two refrigerant level electronic sensors (high and low level).
- > Frequency inverter for the first MT compressor and optional for the LT compressor.
- > Optional frame for outdoor use.
- > 48l liquid receiver, with internal exchanger for connection to the emergency unit.
- > Optional connection to an external RHX. RHX can be installed on MT models.
- > Emergency unit not included (junctions included). Required power: 280 W @R134a Tev +5°C.
- > Selectable electronic brands: Tewis (EWCM9000pro), Danfoss (AK-PC 772) or Carel (pRack PR300T Medium).
- > Bitzer & Dorin compressors.
- > Design pressures:

AXIAL

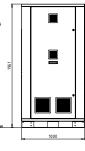
- MP (MT suction): 52 bar.
- LP (LT suction): 30 bar.
- IP (Receiver and liquid line): 70 bar.
- HP (Discharge): 120 bar.



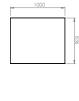
360° access, with lateral practicable door.

















Plug & Play



Compact design



PS 120 / 70 / 52 / 30 Bar



Soundproofing [Optional]



BITZER	GNS21JC302XBX	GNS21JC872YBX	GNS21JC882YBX	TNS21JC304XBX	TNS21JC881YBX	TNS21JC880YBX
Application		MT				
Capacity MT* kW	18.17	22.63	35.15	14.24	31.88	31.22
Capacity LT* kW	1	-		3.90	3.23	3.90
GC needed kW	32.08	39.96	62.08	32.08	62.08	62.08
MT Compressors no	1x 2MTE-5K +	1x 4PTC-7K +	1x 4MTC-10K +	1x 2MTE-5K +	1x 4MTC-10K +	1x 4MTC-10K +
	1x 2KTE-7K	1x 4MTC-7K	1x 4KTC-10K	1x 2KTE-7K	1x 4KTC-10K	1x 4KTC-10K
LT Compressors no		-			1x 2NSL-05K	1x 2MSL-07K
Lp** dB(A	38.7	46.7	47.3	39.4	47.4	47.4

DORIN	GNS21JC677XI	X GNS21JC684XD)	GNS21JC750XDX	TNS21JC670XDX	TNS21JC679XDX	TNS21JC678XDX	TNS21JC658XDX	TNS21JC753XDX	TNS21JC659XDX
Application		MT				MT	+LT		
Capacity MT*	W 25.58	36.35	44.71	21.07	27.93	30.33	31.83	34.05	40.19
Capacity LT*	w	-		4.37	8.15	5.83	4.37	10.30	4.37
GC Capacity k	W 45.17	64.18	78.95	45.17		64.18		78	.95
MT Compressors	າ° 1x CD475-4.7⊦	+ 1x CD490-6.4H +	1x CD4120-9.2H +	1x CD475-4.7H +	1x CD490-6.4H +	1x CD490-6.4H +	1x CD490-6.4H +	1x CD4120-9.2H +	1x CD4120-9.2H +
	1x CD475-6.4	M 1x CD490-9.2M	1x CD490-9.2M	1x CD475-6.4M	1x CD490-9.2M	1x CD490-9.2M	1x CD490-9.2M	1x CD490-9.2M	1x CD490-9.2M
LT Compressors	1º	-		1x CDS101B	1x CDS181B	1x CDS151B	1x CDS101B	1x CDS301B	1x CDS101B
Lp** dB(	A) 39.6	41.2	42.1	39.7		41.3		42.2	42.1

GNV58PE GNV58PELPS GNV66PE GNV66PELPS

<sup>\*</sup> Calculation conditions: Tev MT -8°C, Tev LT -32°C, Tsgc +35°C. | \*\*Sound pressure at 10m, considering a spherical surface, in open ground and with soundproofing. Tolerance ±2 dB.

Capacity	kW	58.84	52.15	88.4	79.27
Air flow	m³/h	16,400	12,800	24,000	19,200
Sound pressure 10m	dBA	52	46	53	45
Fans	nº	2x Ø5	500 EC	3x Ø5	00 EC
RAD.		GNV	58NE	GNV	66NE
Capacity	kW	56	.28	85	5.61
Air flow	m³/h	15,	000	22,	500
Sound pressure 10m	dBA	4	19	5	0
Fans	nº l	2x Ø5	500 EC	3x Ø5	00 EC

GNV58







\* Calculation conditions: Air T. 35°C, GC outlet 37°C, Gas Inlet T. 115°C, Gas Pressure 92 bar. Available pressure radial models. 100 Pa

GNV66

# CO<sub>2</sub> compact compressor rack

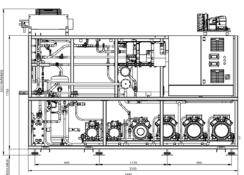
#### Compact compressor racks fully equipped for the generation of cold with CO<sub>2</sub> in transcritical cycle

- > Horizontal liquid receiver: 92/120/160 lit.
- > Tubular chassis.
- > Electrical panel located above the compressors.
- > Separator accumulator.
- > Up to 6 compressors.
- > Easy start-up and maintenance: all connections on the same side.
- > Reduced width of 790 mm that allows it to pass through any standard door.
- > Oil separator accumulator.
- > 92/120/160 | liquid receiver, with internal exchanger for connection to emergency unit.
- > Two electronic refrigerant level sensors (high and low levels).
- > Frequency inverter for the first MT compressor and optional for the LT compressor.
- > Selectable electronics brand: Tewis (EWCM9000pro), Danfoss (AK-PC 772 or 782) or Carel (pRack PR300T Medium or Large).
- > All copper connections.
- > Design pressures:
  - MP (MT suction): 52 bar.
- · LP (LT suction): 30 bar.
- IP (Receiver and liquid line): 70 bar.
- HP (Discharge): 120 bar.



#### Three different frame sizes available:

- > 4 compressors: lenght 1,900 mm
- > 5 compressors: lenght 2,650 mm
- > 6 compressors: lenght 3,350 mm



TSR2GJ\_001ZBX TSR2GJ\_002ZBX TSR2GJ\_003ZBX TSR2GJ\_004ZBX TSR2GJ\_995YBX TSR2GJ\_005ZBX

1x 4MTE-10K (V.F.) 1x 4MTE-10K (V.F.) 1x 4JTE-15K (V.F.) 1x 4HTE-20K (V.F.) 1x 4JTE-15K (V.F.) 1x 4HTE-20K (V.F.) + 2x 4MTE-10K | + 2x 4KTE-10K | + 2x 4HTE-15K | + 2x 4HTE-15K | + 2x 4HTE-20K | + 2x 4FTE-20K

1x 4MTE-10K (V.F.) 1x 4MTE-10K (V.F.) 1x 4JTE-15K (V.F.) 1x 4HTE-20K (V.F.) 1x 4MTE-10K (V.F.) 1x 4HTE-20K (V.F.) n° 1x 2MSL-07K (V.F.) 1x 2KSL-1K (V.F.) 1x 2JSL-2K (V.F.) 1x 2GSL-3K (V.F.) 1x 2FSL-4K (V.F.) 1x 2FSL-4K (V.F.)

21.77

+ 1x 2GSL-3K

70

+ 1x 2FSL-4K

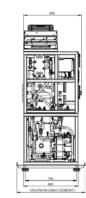
134.08

27.82

106.38

14.16

+ 1x 2JSL-2K









Emergency unit



Plug & Play



PS 120 / 70 / 52 / 30 Bar



Compact design



40 to 140KW



70 Hz

70 Hz

Receiver up to 160l

				100 1	349	0		1050 (PATAS (ZADO DESMONT.)
			GSR2FJ_093YBX	GSR2FJ_041YBX	TSR2EJ_585XBX	TSR2FJ_092XBX	TSR2FJ_086YBX	TSR2FJ_089YBX
Application			N	1T		MT	+LT	
Capacity MT*	70 Hz	kW	94.9	114.67	36.84	62.7	75.26	81.48
Capacity LT*	70 Hz	kW		-	5.79	6.48	6.48	6.48
MT Compressors		nº	1x 4JTE-15K (V.F.) + 2x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4FTE-20K	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4FTE-20K	1x 4HTE-20K (V.F.) + 2x 4HTE-20K	1x 4HTE-20K (V.F.) + 1x 4HTE-20K
Parallel Compressors		nº	1x 4MTE-10K	1x 4JTE-15K		-		1x 4MTE-10K
LT Compressors		nº		-	1x 2KSL-1K	1x 2KSL-1K	1x 2KSL-1K	1x 2KSL-1K
			TSR2FJ_439YBX	TSR2FJ_090YBX	TSR2FJ_490YBX	TSR2FJ_489YBX	TSR2EJ_112XBX	TSR2FJ_128XBX
Application					MT	+LT		
Capacity MT*	70 Hz	kW	70.61	37.97	62.01	73.76	20.47	50.81
Capacity LT*	70 Hz	kW	11.1	12.7	14.16	14.16	18.5	18.33
MT Compressors		nº	1x 4HTE-20K (V.F.) + 2x 4HTE-20K	1x 4JTE-15K (V.F.) + 1x 4HTE-20K	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 4HTE-20K (V.F.) + 1x 4FTE-20K
Parallel Compressors		nº	_	1x 4MTE-10K	1x 4MTE-10K	1x 4MTE-10K		-
LT Compressors		nº	1x 2KSL-1K + 1x 2KSL-1K	1x 2GSL-3K	1x 2JSL-2K + 1x 2JSL-2K	1x 2JSL-2K + 1x 2JSL-2K	1x 2HSL-3K + 1x 2HSL-3K	1x 2HSL-3K + 1x 2HSL-3K
			TSR2FJ 128XBX	TSR2EJ 893XBX	TSR2FJ 193YBX	TSR2EJ 895XBX	TSR2FJ_444YBX	TSR2FJ 088YBX
Application						+LT		
Capacity MT*	70 Hz	kW	80.75	22.5	82.91	22.81	46.8	76.79
Capacity LT*	70 Hz	kW	18.5	21.06	21.77	28.07	27.82	27.82
MT Compressors		nº	1x 4HTE-20K (V.F.) + 2x 4FTE-20K	1x 4JTE-15K (V.F.) + 1x 4HTE-20K	1x 4HTE-20K (V.F.) + 2x 4FTE-20K	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 4JTE-15K (V.F.) + 2x 4HTE-20K	1x 4HTE-20K (V.F.) + 2x 4FTE-20K
Parallel Compressors		nº	_	_	_	_	_	_
LT Compressors		nº	2x 2HSL-3K	1x 2GSL-3K + 1x 2GSL-3K	1x 2GSL-3K + 1x 2GSL-3K	1x 2FSL-4K + 1x 2FSL-4K	1x 2FSL-4K + 1x 2FSL-4K	1x 2FSL-4K + 1x 2FSL-4K

72.4

11.1

+ 1x 2KSL-1K

kW

66.43

6.68

+ 1x2MSL-07K

Application

Capacity MT

Capacity LT\*

MT Compressors

LT Compressors

Parallel Compressors

<sup>\*</sup> Calculation conditions: Tev MT -8°C, Tev LT -32°C, Tsgc +35°C. | Design pressures: MP (MT suction): 52 bar, LP (LT suction): 30 bar, IP (Container and liquid line): 70 bar, HP (Discharge): 120 bar | Temperature, LT = Low Temperature, pc = Parallel compressor

# CO<sub>2</sub> compact compressor rack

Smart Duplex compressor racks offer the highest powers for the commercial refrigeration range with CO<sub>2</sub> at 2 temperatures

- > Profitability and energy savings.
- > 100% CO<sub>2</sub> = low environmental impact.
- > Compact and simple design (only 1 m depth).
- > High capacity up to 9 compressors.
- > Vertical liquid receiver with high capacity (up to 2x250 l).
- > Extreme flexibility.
- > Remote control (accessible anywhere).
- > Easy commissioning and maintainance.
- > Possibility of 2 RHX, one for DHW and one for air conditioning.
- > Tubular chassis.
- > Oil separator accumulator.
- > High capacity liquid receiver (up to 2x250 l).
- > Up to 9 compressors.
- > Frequency inverter for MT & LT.

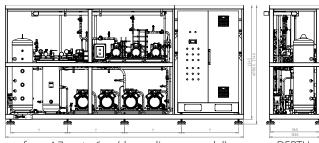
80 to 250KW

- > Two electronic sensors for refrigerant levels.



up to 2x250





from 4.7 up to 6 m (depending on model)

$\Box$	)EP	T	<b>⊣</b> ։
Ш	ST	1	m

			GSD3KJ 048ZBX	GSD3MJ 049ZBX	TSD3JJ 028ZB	X TSD3JJ 0	30ZBX	TSD3JJ 031ZB	X TSD3KJ 033ZBX
Application			M					+LT	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Capacity MT*	70 Hz	kW	179.56	266.6	52	64.4	1	77.52	105.43
Capacity LT*	70 Hz	kW	-		20.37	31.32	2	26.38	34.14
MT Compressors		nº	1x 4HTE-20K (V.F. @70 Hz) + 4x 4FTE-30K	1x 4FTE-30K (V.F. @70 Hz) + 4x 4CTE-30K	1x 4JTE-15K (V.F. @70 F + 2x 4HTE-20K	z) 1x 4JTE-15K (V.I + 3x 4HTE		1x 4HTE-20K (V.F. @70 + 2x 4FTE-30K	Hz) 1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K
Parallel Compressors		nº				-			
LT Compressors		nº	-		1x 2JSL-2K (V.F. @70 F + 2x 2JSL-2K	z) 1x 2GSL-3K (V.F + 2x 2GS		1x 2HSL-3K (V.F. @70 + 2x 2HSL-3K	Hz) 1x 2HSL-3K (V.F. @70 Hz) + 3x 2HSL-3K
			TSD3JJ_035ZBX	TSD3JJ_034ZBX	TSD3JJ_050ZB	X TSD3JJ_0	51ZBX	TSD3MJ_052ZI	BX TSD3MJ_053ZBX
Application			1			NT+LT			
Capacity MT*	70 Hz	kW	122.55	113.46	155.36	172.7	4	184.04	213.73
Capacity LT*	70 Hz	kW	18.62	26.81	36.44	36.4	4	75.88	48.21
MT Compressors		nº	1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K	1x 4HTE-20K (V.F. @70 Hz) + 3x 4FTE-30K	1x 4HTE-20K (V.F. @70 + 3x 4CTE-30K	1x 4FTE-30K (V. + 3x 4CTE		1x 4FTE-30K (V.F. @70 + 4x 4CTE-30K	Hz) 1x 4FTE-30K (V.F. @70 Hz) + 4x 4CTE-30K
Parallel Compressors		nº				-			
LT Compressors		nº	1x 2HSL-3K (V.F. @70 Hz) + 1x 2HSL-3K	1x 2JSL-2K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2GSL-3K (V.F. @70 I + 2x 2FSL-4K	1x 2GSL-3K (V.I + 2x 2FSI		1x 2DSL-5K (V.F. @70 + 3x 2DSL-5K	Hz) 1x 2GSL-3K (V.F. @70 Hz) + 3x 2FSL-4K
			TSD3JJ_037ZBX	TSD3JJ_039ZBX	TSD3JJ_042ZB	X TSD3JJ_0	40ZBX	TSD3JJ_044ZE	X TSD3KJ_041ZBX
Application						NT+LT			
Capacity MT*	70 Hz	kW	85.97	110.01	123.56	119.3	3	130.4	123.71
Capacity LT*	70 Hz	kW	31.32	26.81	14.38	35.02	2	24.67	36.44
MT Compressors		nº	1x 4JTE-15K (V.F. @70 Hz) + 2x 4HTE-20K	1x 4HTE-20K (V.F. @70 Hz) + 2x 4HTE-20K	1x 4HTE-20K (V.F. @70 + 2x 4HTE-20K	1x 4JTE-15K (V.I + 2x 4FTE		1x 4JTE-15K (V.F. @70 + 2x 4FTE-30K	Hz) 1x 4HTE-20K (V.F. @70 Hz) + 3x 4HTE-20K
Parallel Compressors		nº	1x 4JTE-15K (V.F.)	1x 4HTE-20K (V.F.)	1x 4HTE-20K (V.	E.) 1x 4HTE-20	K (V.F.)	1x 4HTE-20K (V	F.) 1x 4HTE-20K (V.F.)
LT Compressors		nº	1x 2GSL-3K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2JSL-2K (V.F. @70 Hz) + 2x 2GSL-3K	1x 2JSL-2K (V.F. @70 F + 1x 2JSL-2K	z) 1x 2ESL-4K (V.F + 1x 2ESI		1x 2GSL-3K (V.F. @70 + 1x 2FSL-4K	Hz) 1x 2GSL-3K (V.F. @70 Hz) + 2x 2FSL-4K
			TSD3KJ 041ZBX	TSD3JJ 04	SZBX TSD3k	J 046ZBX	TSD	3KJ 047ZBX	TSD3KJ 096ZBX
Application				, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1T+LT			
Capacity MT*	70 Hz	kW	123.71	130.05		174.7		188.76	204.69
Capacity LT*	70 Hz	kW	36.44	31.32		49.61		36.44	26.38
MT Compressors		nº	1x 4HTE-20K (V.F. @70 + 3x 4HTE-20K	Hz) 1x 4HTE-20K (V.F. + 2x 4FTE-3		OK (V.F. @70 Hz) 4FTE-30K		-20K (V.F. @70 Hz) 1 3x 4FTE-30K	x 4GTE-30K (V.F. @70 Hz) + 2x 4DTE-25K
Parallel Compressors		nº	1x 4HTE-20K (V.F	.) 1x 4HTE-20K	(V.F.) 1x 4FT	E-30K (V.F.)	1x 4F	TE-30K (V.F.)	1x 4HTE-20K (V.F.) + 1x 4HTE-20K
LT Compressors		nº	1x 2GSL-3K (V.F. @70 + 2x 2FSL-4K	Hz) 1x 2GSL-3K (V.F. + 2x 2GSL-		K (V.F. @70 Hz) : 2ESL-4K		-3K (V.F. @70 Hz) 1 2x 2FSL-4K	x 2HSL-3K (V.F. @70 Hz) + 1x 2HSL-3K



# Switchboard & electronic control

### Switchboard

- Bench-mounted switchboard, including complete wiring.
- $\rightarrow$  Power supply at 400V / 3F + N / 50Hz
- > Frequency inverter in the first compressor in sections BT, MT and parallel
- Booster components and remote gas coolers electrically protected against overcurrents and short circuits.
- > Option: electrical connections of power supply to the auxiliary unit



### Electronic control

- It represents the best option for transcritical and subcritical CO<sub>2</sub> solutions with Booster circuit and allows to manage up to two circuits for the recovery of heat.
- Televis System compatible and open for the integration of Modbus RTU / TCP or BACnet MS / TP (optional) systems.
- > Touch screen with synoptic and real-time data.
- > Data logging and alarms.
- > Historical charts and data tables.
- > Parameter management.









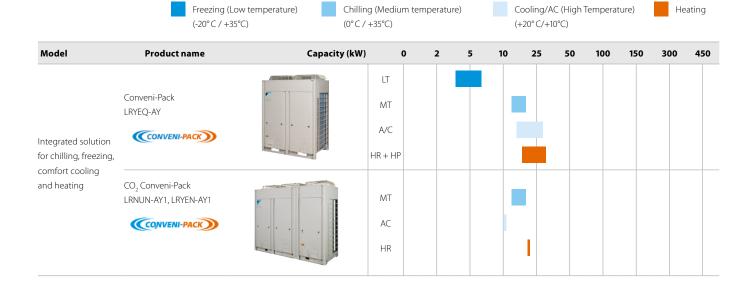
# Choose the better solution – with Tewis Full CO<sub>2</sub> refrigeration systems

Why do so many widely-known retail chains count on Tewis? Because Tewis offers a well-thought-out, complete range of efficient refrigeration systems. Especially when working with R-744 under high pressure, best quality solutions count double. Avoid problems – with Tewis features like full stainless steel piping or surprisingly intuitive control systems.











#### Service station (Ranst, Belgium) Conveni-Pack

Discover why a Belgian petrol station owner chose Daikin for its shop comfort and refrigeration needs. www.youtube.com/DaikinEurope





# Conveni-Pack,

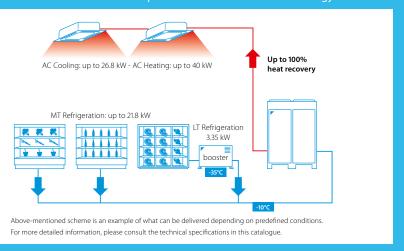
# integrated solution for commercial refrigeration, heating and air conditioning

## Why choose Conveni-Pack?

Competition in the retail food sector is fierce. This does not just affect the income you can earn from sales - operating costs are also a determing factor for success.

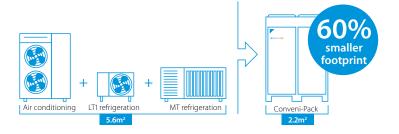
#### **Energy efficient heat recovery system**

- Conveni-Pack recovers up to 100% of the heat extracted from supermarket refrigeration cases and re-uses it to heat the retail space and improve shop comfort at no additional cost (heat recovery system)
- > Savings of up to 50% on energy costs
- Daikin inverter scroll compressor with economizer technology



#### Installing a compact solution

- > Easy to install, even in small spaces
- > Small footprint (up to 60% smaller footprint than conventional systems) and low weight
- > Reduced piping requirements
- > Minimal planning groundwork and lower assembly costs



#### Unique combination

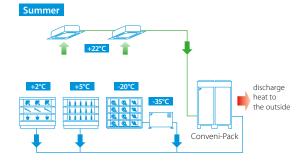
 > First mass-produced, whole-building system to combine medium and low refrigeration, heating, air conditioning in one circuit

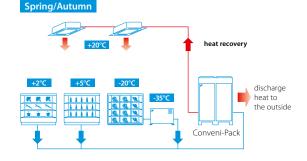
#### Reliable operation

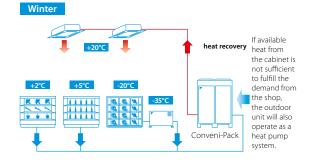
- > Error-proof component selection
- > Factory leak-tested and pre-charged

#### Year-round climate comfort

- Quiet operation: Improved acoustics thanks to night operation mode, inverter control and inverter driven fans with optimised blades and grills
- High grade sound insulation on both panels and compressors
- Specially designed fan blades to limit sound emissions
- > 4 low sound operation settings including night
- > The heat recovered from refrigerated and freezer display cabinets can be used to provide heating for the shop.









## Internationally awarded

Winner of several awards\* thanks to the innovating technology used and environmental friendly solution offered:



- Winner of UK Environmental Product of the Year,
   Cooling Industry Awards 2006
- Winner of Incentive Prize, German Environment Ministry - 2007
- Winner of the Innovation Trophy, equipmag (exhibition in France) - 2008
- Winner of 2014 Institute of Refrigeration Ireland (IRI) Environmental award
- > Environmental Friendliness category of the Top Retail Product Awards 2014 in Germany

#### Reference

#### Edeka Buschkühle supermarket (Germany)

2 Conveni-Pack systems supply 32 meters of service counters, 12.5 meters of convenience fridges, one cooling storage room for fruit, an air curtain and 5 indoor units; the ZEAS system supplies two deep-freeze cabinets with a total capacity of 5 kW.



Discover more references on www.daikineurope.com/references

## Benefits for installers/consultants

- Integrated electrical & control box
- Unit already pre-charged with refrigerant
- Established VRV technology ensuring optimised installation and maintenance
- > Reduced delivery time thanks to European manufacturing plan
- > Flexible system for multiple applications
- Connectable to all grocery refrigeration applications and supplied with a wide range of air conditioning indoor units to meet shop requirements
- Outdoor units can be positioned up to 35m above or 10m below the indoor units
- Piping length possible up to 130m
- Suitable for indoor installation through the use of high ESP fans

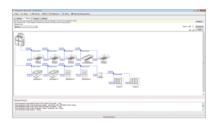
# Benefits for shop owners

- > Thought design for supermarkets and smaller retail outlets
- Maximised retail sales space available as Conveni-Pack ha a footprint up to 60% smaller than conventional grocery refrigeration systems
- Reduced energy consumption by up to 50% through heat recovery
- > Quiet operation, thus ideal for densely populated urban areas

## Marketing tools

#### **Refrigeration Xpress**

User-friendly design software for Conveni-Pack, CCU, SCU and ZEAS condensing units. Its detailed report includes a list of materials, piping and wiring diagrams, and device options.



#### Short videos

 Watch a short animation on the unique refrigeration solution Conveni-Pack



# Why choose CO<sub>2</sub> Conveni-pack?

- ✓ DX Refrigeration, Heating & Space cooling by CO₂, for those whom demand a totally natural solution
- ✓ Heat recovery, and for those colder days automatic heat pump operation
- ✓ Fully assembled & packaged unit, providing low noise levels
- Mass produced in Daikin Europe's award winning factory
- ☑ Each unit is fully factory & run tested
- ✓ All units in stock, fast delivery
- ✓ Reduces annual energy consumption by up to 50%, compared to other manufacturers solutions.

- ✓ Hermetic swing compressor, complete with two stage compression, for lower running temperatures
- ✓ Oversized DC Brushless motor technology for improved reliability & efficiency
- Automatically balances refrigeration& space heating / cooling loads
- "Plug and Play" technology, reduced"On site" commissioning
- Optimized control logic for reliability and efficiencies
- ✓ Adaptable evaporation temperature control

#### Natural HVACR 4 life

# Project for demonstration of innovative, integrated HVACR installations with natural refrigerant.

# \* like \* \*

#### **OBJECTIVES**

- **Remove barriers** in the market for introducing integrated refrigeration and air conditioning systems that use natural refrigerants which have a lower Global Warming Potential.
- Raise awareness among installers, engineers, customers and general public on the potential of a combined air conditioning and refrigeration system that uses CO<sub>2</sub> as a natural refrigerant.
- Contribute to the implementation of the EU F-gas Directive.

#### **ACTIONS**

#### 1. Demonstrate viability

- test prototype in **Belgium** that integrates air conditioning and refrigeration with heat recovery in real life settings;
- install, operate and monitor the new concept in European supermarkets, located in both temperate and warm climate zones (Germany and Spain, respectively)
- 2. Organise training sessions for installers and customers
- **3. Help update** the definitions of standards and energy labelling schemes for multi-functional products by providing information on tested risk management, procedures regarding flammability and toxicity of natural refrigerants
- **4. Develop a cassette-type indoor unit** using CO<sub>2</sub> that best provides comfort cooling and heating
- **5. Research the potential of cold storage** for improving the Total Equivalent Warming Impact



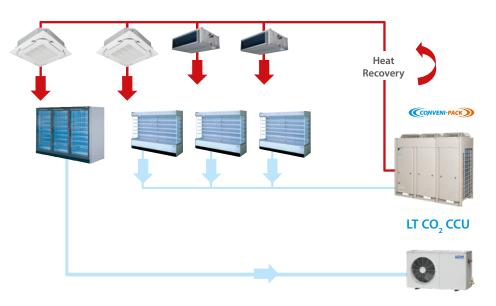
For more information refer to the website: naturalhyacr4life.eu

### Low Temperature Showcases

Optional CO<sub>2</sub> CCU's are also available for Remote LT applications (not connected to Conveni-pack)



Plugin LT showcases with propane or LT condensing units with  $CO_2$  are available to satisfy also freezer capacity needs.





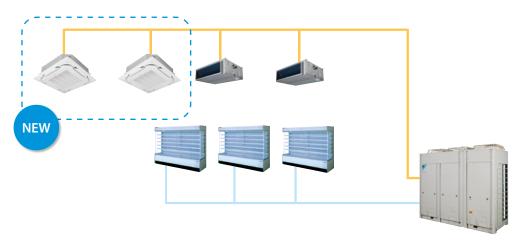


# CO<sub>2</sub> Conveni-Pack refrigeration system with heat recovery

# Refrigeration solution for food retailers featuring award winning technology for heat recovery

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- > Lower associated CO<sub>2</sub> emissions thanks to the heat pump technology
- > Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- > The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- > The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- > Low sound level including "night mode" operation





More details and final information can be found by scanning or clicking the QR codes.



Medium Temper Cooling Only, He	ature Refrigeration, ating Only	LRYEN	10AY1
Parameters at par	t load and ambient temp. 25°C (Point E	3)	
Parameters at par	t load and ambient temp. 25°C (Point &	3)	
Dimensions	Unit HeightxWidthxDepth	mm	1,680x1,930x765
Weight	Unit	kg	563
Heat exchanger	Type		Cross fin coil
Compressor	Type		Hermetically sealed swing compressor
	Output	w	4,600.0
	Piston displacement	m³/h	6.16
	Starting method		Direct on line (inverter driven)
Fan	Type		Propeller fan
	Quantity		3
	Air flow Cooling Nom. rate	m³/min	300
Fan motor	Output	w	750
Sound pressure level	Nom.	dBA	64.0
Refrigerant	GWP		1.0
	Type 2		R-744
	Charge	kg	6.30
	Control		Electronic expansion valve
Power supply	Phase/Frequency/Voltage	Hz/V	3N~/50/380-415

LRYEN10A7Y1+LRNUN5A7Y1 | Compressor 1 | Compressor 2 | Compressor 3 | Factory charge of unit | Only K65 with D.P. 120 bar is allowed to use for AC piping connections. | The safety valve pressure is indicated as gauge pressure. | Only K65 with D.P. 90 bar is allowed to use for refrigeration piping.



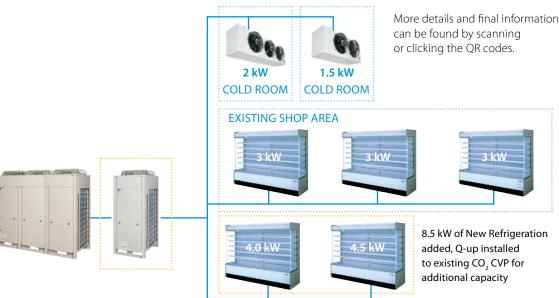


LRNUN-AY1

# Capacity-up module for CO<sub>2</sub> Conveni-Pack

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- > Lower associated CO<sub>2</sub> emissions thanks to the heat pump technology
- Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- > The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- > The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- > Low sound level including "night mode" operation





Model	Refrigeration Capacity*	HR Capacity		Model	Refrigeration Capacity*	HR Capacity
DAIKIN CO <sub>2</sub> CVP AC10 <sup>2</sup>	3 - 14.5 kW	22 kW	Q-up can also easily be added later, as part of a system upgrade	DAIKIN CO <sub>2</sub> CVP AC10 + Q-up	3- 21 kW	22 kW

<sup>\*</sup> Refrigeration capacity given under following conditions:  $Te = -10^{\circ}C$ , 10 K SH and ambient = 32°C

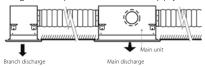
<b>Medium Tempera</b>	ature Refrig	eration	LRNUN	5AY1
Parameters at par	t load and am	nbient temp. 25°C (Point B)		-
Parameters at par	t load and am	nbient temp. 25°C (Point B)		•
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765
Weight	Unit		kg	173
Heat exchanger	Type			Cross fin coil
Compressor	Type			Hermetically sealed swing compressor
	Output		W	4,600.0
	Piston disp	lacement	m³/h	6.16
	Starting me	ethod		Direct on line (inverter driven)
Fan	Type			Propeller fan
	Quantity			1
	Air flow rate	Cooling Nom.	m³/min	102
Fan motor	Output		W	350
Sound pressure level	Nom.		dBA	65.0 (1)
Refrigerant	GWP			1.0
	Type 2			R-744
	Charge		kg	3.20
	Control			Electronic expansion valve
Power supply	Phase/Fred	uency/Voltage	Hz/V	3N~/50/380-415

(I)LRYENIOA7Y1+LRNUN5A7Y1 | Compressor 1 | Compressor 2 | Compressor 3 | Factory charge of unit | Only K65 with D.P. 120 bar is allowed to use for AC piping connections. | The safety valve pressure is indicated as gauge pressure. | Only K65 with D.P. 90 bar is allowed to use for refrigeration piping.

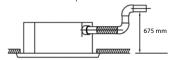
# CO<sub>2</sub> Round Flow Cassette

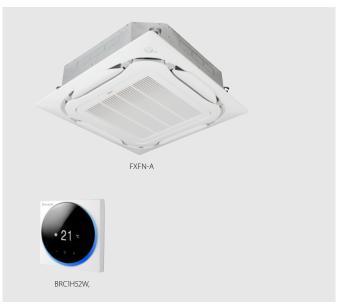
#### 360° air discharge for optimum efficiency and comfort

- > Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs.
- > Two optional intelligent sensors improve energy efficiency and
- > Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Lowest installation height in the market: 214mm for class 20-63
- > Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



 Standard drain pump with 675mm lift increases flexibility and installation speed





Round flow cassette panel (7 types) Daikin Round Flow Cassette with 360° airflow, wide flaps and optional intelligent sensors

#### 1) Standard Panel (White & Black)



#### 2) Auto-cleaning Panel (White & Black)



#### 3) Designer Panel (White & Black)



More details and final information can be found by scanning or clicking the QR codes.



FXFN-A

			FXFN-A	50	71	112	
Capacity (H tap)	Cooling	Nom.	kW	5.6	8.0	12.5	
	Heating	Nom.	kW	6.3	9.0	14.0	
Dimensions	Unit	HeightxWidthx	Depth mm	246x84	10x840	288x840x840	
Weight	Unit	gross	kg	2	9	32	
		net	kg	2	6	29	
Fan	n Type				Turbo fan		
	Quantity				1		
Air flow rate	Cooling/h	neating high	/medium/low m³/h	15.5/12.8/10.7	23.2/19.4/13.8	32.7/27.6/20.6	
Fan motor	Output		W				
Sound power level	Cooling		dBA	53	58	63	
Sound pressure	Cooling	high/medium/l	ow dBA	35/33/31 (4)	40/36/33 (4)	46/43/38 (4)	
level	Heating	high/medium/l	ow dBA	36/34/31 (1)(4)	41/37/33 (1)(4)	47/44/39 (1)(4)	
Piping connection	Brazing ty	/pe Liqu	id mm		9.52		
		Gas	mm		12.7		
Operation range	Indoor	Cooling	°C(WB)		14~24 (2)		
		Heating	°C(WB)		15~27		
Refrigerant	Type			R744			
Power supply	Phase/Fre	quency/Voltage	Hz/V		1~50/60Hz 220~240/220V		

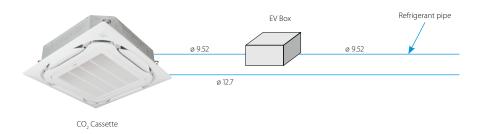
(1) Update of sound pressure level in heating on 2.3.2020 bases on test results (for 71 and 112 class) | (2) update of Cooling max (25 -> 24°C) operation range on 2.3.2020 based on test result | (3) The panel lineup is the same as the existing machine lineup | (4) Sound of designer panel: +3dB

# **Expansion valve box**

#### EV Box

- > EV Box is the unit which include EV & Control
- > 1 unit of EV box must be used toghether with 1 unit of CO<sub>2</sub>
  Cassette





#### Combination with Cassette Indoor unit

Cassette indoor unit	FXFN50A2VEB	FXFN71A2VEB	FXFN112A2VEB
EV Box			
BEV2N112A7V1B	✓	✓	✓

Specifications		BEV2N-A	BEV2N112A7V1B
Power supply			1~, 50/60Hz, 220~240/220V
Dimension	Height	mm	207
	Wide	mm	388
	Depth	mm	326
Mass	Unit	kg	12 (Tentative)
Refrigerant Type			R744 (CO <sub>2</sub> )
Piping connections Liquid	Туре		Brazing
	OD	mm	ø 9.52

# Concealed ceiling unit with medium ESP for CO<sub>2</sub> Conveni-pack

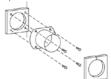
To respond to all shop requirements for comfort cooling and heating, a wide range of air conditioning indoor units are available

> Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

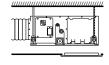


- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- Optional fresh air intake
   Fresh air intake opening in casing

Optional fresh air intake kit



- \* Brings in up to 10% of fresh air into the room
- \* Allow larger quantities of fresh air to be brought in
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



For free use into a false ceiling

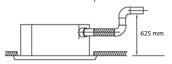


For connecting onto a suction canvas (not supplied by Daikin)

More details and final information can be found by scanning or clicking the QR codes.



> Standard built-in drain pump with 625mm lift increases flexibility and installation speed

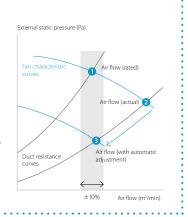


#### Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

#### Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance \* the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster





Indoor unit			FXSN	50A2	71A2	112A2
Cooling capacity	Total capacity	Nom.	kW	5.60	8.00	12.50
Heating capacity	Total capacity	Nom.	kW	6.30	9.00	14.0
Power input - 50Hz	Cooling	Nom.	kW	0.186	0.258	0.388
	Heating	Nom.	kW	0.181	0.253	0.383
Dimensions	Unit	HeightxWidthxDepth	mm	245x700x800	245x1,000x800	245x1,400x800
Weight	Unit		kg	31.0	40.0	50.0
Casing	Material				Galvanised steel plate	
Fan	Air flow rate	Cooling High / Medium /	Low m³/min	15.2/13.0/11.0	23.0/19.5/16.0	36.0/31.5/26.0
	- 50Hz	Heating High / Medium /	Low m³/min	15.2/13.0/11.0	23.0/19.5/16.0	36.0/31.5/26.0
	External static pressure - 50Hz	Factory set / High	Pa	30/150	40/150	50/150
Air filter	Туре			Resinnet		
Sound power level	Cooling	At high fan speed	dBA	61	63	66
Sound pressure	Cooling	High / Medium / Low	dBA	36.0/33.0/31.0	37.0/34.0/32.0	40.0/38.0/34.0
level	Heating	High / Medium / Low	dBA	38.0/35.0/32.0	39.0/36.0/33.0	42.0/40.0/38.0
Refrigerant	Type/GWP				R-744/1.0	
Piping connections	Liquid	OD	mm		9.52	
	Gas	OD	mm		12.7	
	Drain			VP	<sup>2</sup> 20 (I.D. 20/O.D. 26), drain height 625	mm
Power supply	Phase/Fred	uency/Voltage	Hz/V		1~/50/60/220-240/220	
Current - 50Hz	Maximum	fuse amps (MFA)	A		16	
Control systems	Infrared re	mote control			BRC4C65 / BRC4C66	
	Wired rem	ote control			BRC1H52W/S/K	

Contains fluorinated greenhouse gases



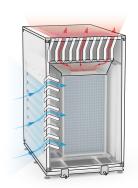


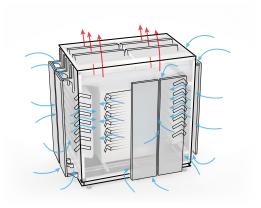
# Acoustic solution for Conveni-pack

- Complete & professional housing solution, series KVD specially designed for Daikin CVP units
- > Stable and storm proof construction, tested and verified by TÜV Austria
- > Extremely low static pressure drop, measured by TÜV Austria
- > Highest soundproofing values thanks to multi-layered sound insulation
- Already assembled ex works -> ensures very quick installation of the outdoor unit
- > Base frame made of steel-profiles, insulated bottom and drain pan are standard
- > Housing can be modified for an even higher dampening with additional deflection plates and hoods









#### Please contact: Kellner Engineering GmbH

kellner.engineering.com www.kellner-engineering.com Office: +43-2236-660048



#### suitable for 1x Daikin LRYEN10AY1 (10 HP)

acoustic housing type	external dimensions sound dampening <sup>1</sup>		pressure		
	(HxWxD)	on average Ø	vertically	drop <sup>2</sup>	weight
Kellner KVD300-PV Standard	2,350 x 3,071 x 1,461 mm	-18 dB(A)	-13 dB(A)	< 20 Pa	850 kg
+ deflection plates (8 pc.)	2,350 x 3,671 x 1,761 mm	-21 dB(A)	-13 dB(A)	< 25 Pa	320 kg
+ redircetion hood (exhaust front)	3,100 x 3,671 x 1,761 mm	-24 dB(A)	-24 dB(A)	< 32 Pa	300 kg
Kellner KVD300-PV-UL Ultra	2,550 x 3,071 x 1,461 mm	-20 dB(A)	-18 dB(A)	< 25 Pa	875 kg
+ deflection plates (8 pc.)	2,550 x 3,671 x 1,761 mm	-23 dB(A)	-18 dB(A)	< 30 Pa	320 kg
+ redircetion hood (exhaust front)	3.300 x 3.671 x 1.761 mm	-25 dB(A)	-26 dB(A)	< 37 Pa	300 kg

#### suitable for 1x Daikin LRYEN10AY1 (10 HP) + 1x Daikin LRNUN5AY1 (5 HP)

acoustic housing type	external dimensions sound dam		mpening¹	pressure	
	(HxWxD)	on average Ø	vertically	drop <sup>2</sup>	weight
Kellner KVD310-PV Standard	2,350 x 3,871 x 1,461 mm	-18 dB(A)	-13 dB(A)	< 20 Pa	975 kg
+ deflection plates (10 pc.)	2,350 x 4,471 x 1,761 mm	-21 dB(A)	-13 dB(A)	< 25 Pa	400 kg
+ redircetion hood (exhaust front)	3,100 x 4,471 x 1,761 mm	-24 dB(A)	-24 dB(A)	< 32 Pa	350 kg
Kellner KVD310-PV-UL Ultra	2,550 x 3,871 x 1,461 mm	-20 dB(A)	-18 dB(A)	< 25 Pa	1,000 kg
+ deflection plates (10 pc.)	2,550 x 4,471 x 1,761 mm	-23 dB(A)	-18 dB(A)	< 30 Pa	400 kg
+ redircetion hood (exhaust front)	3,300 x 4,471 x 1,761 mm	-25 dB(A)	-26 dB(A)	< 37 Pa	350 kg

(1) NORM EN ISO 9614-2:1997 - Determination of the sound power level of noise sources from sound intensity measurements EN ISO 11546-1:2010 - Determination of the sound insulation of soundproofing capsules

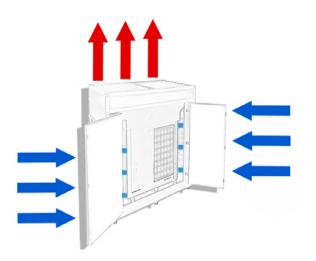
EN ISO 717-1:2013 - Assessment of sound insulation in buildings and building components

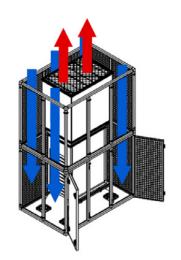


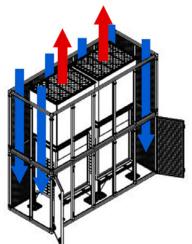
# Accoustic solution for Conveni-Pack

- Solflex acoustic solutions have been developed to reduce the sound emissions of outdoor units without limiting functionality.
- Nominal sound reduction measured according to DIN EN ISO 3744 by a renomated and independent laboratory.
- Exterior surfaces are standard available in RAL7016 anthracite grey, RAL9006 white aluminium, RAL9010 pure white or in galvanised steel
- > Online technical data and configuration including sound evaluation to norm accepted by many authorities to obtain building permission.
- > On demand custom made acoustic solutions with site assistance including installation for large scale projects.
- > Very large variety of standard acoustic solutions available for all type of HVACR units.









# For more info, please contact: Solflex GmbH

office@solflex.eu www.solflex.eu



#### suitable for 1x Daikin LRYEN10AY1 (10 HP)

acoustic housing type	external dimensions	Nominal Sound	pressure	
	(HxWxD)	Insulation <sup>1</sup>	drop <sup>2</sup>	weight
SDW 211763-1 A	2,450 x 3,150 x 1,600 mm	Rw(Ctr, 50-5,000): 20 dB	< 5 Pa	550 kg
V 211763-2 A	2,600 x 3,100 x 1,650 mm	D(e): 19 dB(A)	<15 Pa	1,250 kg
XV 211763-3 A	2,600 x 3,500 x 1,900 mm	D(e): 23 dB(A)	<25 Pa	1,450 kg
SQVY 211763-4 A	3,800 x 3,150 x 1,600 mm	D(e): 25 dB(A)	<25 Pa	950 kg

#### suitable for 1x Daikin LRYEN10AY1 (10 HP) + 1x Daikin LRNUN5AY1 (5 HP)

acoustic housing type	external dimensions	Nominal Sound	pressure	ai.abt
	(HxWxD)	Insulation <sup>1</sup>	drop²	weight
SDW 211763-1 B	2,450 x 3,925 x 1,600 mm	Rw(Ctr, 50-5,000): 20 dB	< 5 Pa	630 kg
V 211763-2 B	2,600 x 3,800 x 1,650 mm	D(e): 19 dB(A)	<15 Pa	1,350 kg
XV 211763-3 B	2,600 x 4,200 x 1,900 mm	D(e): 23 dB(A)	<25 Pa	1,600 kg
SOVY 211763-4 B	3.800 x 3.925 x 1.600 mm	D(e): 25 dB(A)	<25 Pa	1.140 ka

(1) NORM DIN EN ISO 10140-2 - Specifies a laboratory method for measuring the airborne sound insulation of building products
DIN EN ISO 3744 - Specifies methods for determining the sound power level or sound energy level of a noise source



# R-410A Conveni-Pack refrigeration system with heat recovery

## Refrigeration solution for food retailers featuring award winning technology for heat recovery

- Integrates high and low temperature refrigeration and air conditioning (including heating) into one system
- By using heat recovery, optimised controls and state of the art compressor technology, Conveni-pack can reduce annual energy consumption up to 50% or more, compared to conventional systems
- Lower associated CO<sub>2</sub> emissions thanks to the heat pump technology
- Conveni-pack's modular design allows it to be used for smaller as well as larger shops
- > The modularity of the Conveni-pack system maximises installation flexibility. Outdoor units can be grouped into blocks or rows, or distributed around the building, to meet individual installation constraints
- > The heat extracted from the refrigeration showcases or evaporators can be re-used for comfort heating of the shop at no extra cost
- > Low sound level including "night mode" operation

More details and final information

can be found by scanning or

clicking the QR codes.



LRYEQ-AY





#### Conveni pack, in combination with a ZEAS unit.

This store was nominated by spar as its 'local supermarket of the year', thanks in part to its owner's strategic investment in a key department: Refrigeration.

By installing a Conveni pack in combination with Zeas, it was possible to **save around €10,000 on energy costs each year**, from money that would otherwise have spent on heating. **SPAR, Supermarket.** 

<b>Medium Tempera</b>	ture Refrigeratio	n	LR	YEQ-AY	16
Cooling capacity	Air conditioning			kW	14.0 (1)
	Refrigeration	Nom.		kW	21.8 (2)
leating capacity	Air conditioning	Nom.		kW	27.0 (3)
	Refrigeration	Nom.		kW	21.8 (4)
Dimensions	Unit	Height		mm	1,680
		Width		mm	1,240
		Depth		mm	765
Veight	Unit			kg	370
leat exchanger	Type				Cross fin coil
Compressor	Туре				Hermetically sealed scroll compressor
•	Piston displacem	ent		m³/h	13.34
	Speed			rpm	6,300
	Output			W	2,500
	Starting method				Direct on line (inverter driven)
	Frequency ON/O	FF			Less than 6 times/hour
•	Speed			rpm	2,900
	Output			W	3,600
Compressor 3	Speed			rpm	2,900
	Output			W	4,500
an	Туре				Propeller fan
	Quantity				2
	Air flow rate	Cooling	Nom.	m³/min	230
an motor	Output			W	750
	Drive				Direct drive
ound pressure level	Nom.			dBA	62.0
peration range	Evaporator	Cooling	Min.~Max.	°CDB	-20~10
	Cooling	Ambient	Min.~Max.	°CDB	-5~43
	Heating	Ambient	Min.~Max.	°CDB	-15~21
efrigerant	Type				R-410A
	GWP				2,087.5
	Charge			kg	11.5
				TCO₂eq	24.0
	Control				Electronic expansion valve
Power supply	Phase/Frequency	y/Voltage		Hz/V	3~/50/380-415

(1) Cooling priority mode: indoor temp. 27°CDB, 19°CWB; outdoor temp. 32°CDB; piping length: 7.5m; level difference: 0m (2) Cooling priority mode: evaporating temp. -10°C; outdoor temp. 32°CDB; Suction SH: 10°C (3) Heat recovery 100% mode: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; refrigeration load 18kW; piping length: 7.5m; level difference: 0m (4) Saturated temperature equivalent to suction pressure (refrigeration side): -10°C (under chilled condition); connection capacity for indoor air conditioner: 10HP, when heat recovery is 100%

# Indoor units and Biddle air curtains for connection to R-410A Conveni-Pack

To respond to all shop requirements for comfort cooling and heating, a wide range of air conditioning indoor units and Biddle air curtains are available.

Capacity class (kW)

Model	Product name	50	63	71	80	100	125	140	200	250
Cooling capacity (kW) <sup>1</sup>		5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW) <sup>2</sup>		6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5
Round flow cassette	FXFQ-A	•	•		•	•	•			
2-way blow ceiling mounted cassette	FXCQ-A	•	•		•		•			
Ceiling mounted corner cassette	FXKQ-MA		•							
Concealed ceiling unit with inverter driven fan	FXSQ-A	•	•		•	•	•			
Concealed ceiling unit with inverter driven fan	FXMQ-P7	•	•		•	•	•			
Large concealed ceiling unit	FXMQ-MB								•	•
Ceiling suspended unit	FXHQ-A		•			•				
4-way blow ceiling suspended unit	FXUQ-A			•		•				
Floor standing unit	FXLQ-P	•	•							
Concealed floor standing unit	FXNQ-A	•	•							

Capacity	class	(kW

							Сара	icity class (KVV)
Model	Product Name	•	80	100	125	140	200	250
Heating capacity (kW) <sup>2</sup>			7.4 - 9.2	11.6 - 13.4	15.6	16.2 - 19.9	29.4	29.4 - 31.1
Biddle air curtain free hanging	CYVS-DK		•	•	•	•	•	•
Biddle air curtain cassette	CYVM-DK		•	•	•	•	•	•
Biddle air curtain recessed	CYVL-DK	COMP.	•	•	•	•	•	•

<sup>&</sup>lt;sup>1</sup> Nominal cooling capacities are based on: indoor temperature: 27°CDB / 19°CWB, outdoor temperature: 35°CDB, piping length: 7.5m, level difference: 0m

<sup>&</sup>lt;sup>2</sup> Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB / 6°CWB, piping length: 7.5m, level difference: 0m

## Booster unit for R-410A

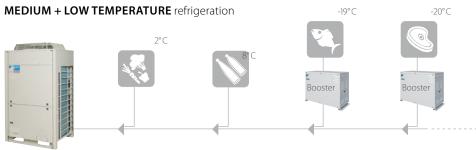
- > A booster unit allows to connect freezer showcases / rooms to ZEAS and Conveni-Pack outdoor units
- Reduced piping requirements, from 4 to 2 pipes, compared to a conventional system
- > Low sound mode available reducing sound emissions significantly without giving in on Refrigerating capacity



More details and final information can be found by scanning or clicking the QR codes.

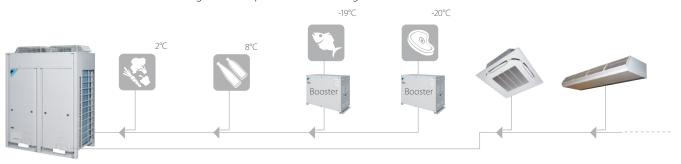


## Booster with ZEAS:



## Booster with R-410A Conveni-Pack:

**MEDIUM + LOW TEMPERATURE** refrigeration + space air conditioning + Biddle air curtain



Low Temperature	Refrigeration		LCE	KQ-AV1	3
Refrigerating capacity	Low temperature	<u>;</u>	Nom.	kW	3.35 (1)
Dimensions	Unit	Height		mm	480
		Width		mm	680
		Depth		mm	310
Weight	Unit			kg	47
Compressor	Туре				Hermetically sealed swing compressor
	Piston displacem	ent		m³/h	10.16
_	Number of revolu	utions		rpm	6,540
	Output			W	1,300
_	Starting method				Direct on line (inverter driven)
	Frequency ON/O	FF			Less than 6 times/hour
	Туре				Propeller fan
	Air flow rate	Cooling	Nom.	m³/min	1.6
Operation range	Evaporator	Cooling	Min.~Max.	°CDB	-45~-20
	Ambient temperature	Min.~Max		°C	-15~43
Refrigerant	Туре				R-410A
	GWP				2,087.5
	Control				Electronic expansion valve
Piping connections	For outdoor unit	Liquid	OD	mm	6.35
	To indoor unit	Liquid	OD	mm	6.35
	For indoor unit	Gas	OD	mm	15.9
	To outdoor unit	Gas	OD	mm	9.5
Power supply	Phase/Frequency	//Voltage		Hz/V	1~/50/220-240



## ZANOT

# Evaporators with or without TEV for different operations and refrigerants

#### General features:

- > Capacity for LT/MT cooling: 0.5 to 213 kW
- > Ambient/cooling room temperature range: 40°C +25°C
- > Refrigerants: R134A a, R 449A, R448A, R452A R407F, R 407A
- > Fin distance: from 3 mm to 11 mm
- > Fin materials: Al
- > Tube materials: Cu
- > Conditions:

MT: Ambient temperature: 35°C Evp. Temperature: -10°C LT: Ambient temperature: 35°C Evp. Temperature: -35°C

#### Options:

- > Electric defrost heating
- > Hot gas defrost
- > Drain pan heating
- > Fan ring heater
- > High efficient EC fans
- > Wiring on terminal box
- > Included valves and regulation
- > Fin materials AISI 304, AISI 316
- > Tube materials AISI 304, AISI 316
- > Casing in stainless steel (Inox)



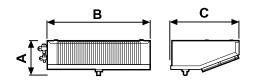
#### Types:

- > flat evaporator
- > double flow
- > cubic design
- > Evaporator only
- > Evaporator + EEV/TEV
- > Evaporator + EEV/TEV + electronic controller

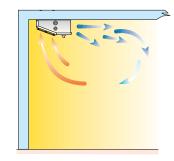
For technical selection, prices, accessories and delivery time please use the Zanotti software and contact our technical department. We are happy to help you.

#### Dimensions

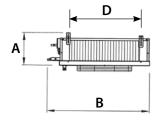
Flat

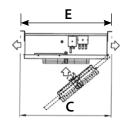


mm	Α	В	С
201	215	614	410
202	215	1,034	410
203	215	1,614	410
232	150	713	455
301	300	910	690
302	300	1,530	690
303	300	2,150	690
304	300	2,770	690
305	300	3,390	690

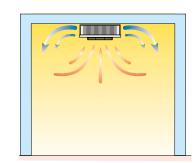




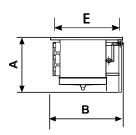


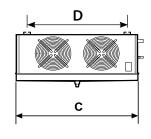


mm	Α	В	c	D	E
231	171	579	585	293	600
232	171	889	585	603	600
233	171	1,199	585	913	600
234	171	1,509	585	1,223	600
352	300	1,671	995	1,214	1,065
353	300	2,291	995	1,834	1,065
354	300	2,911	995	2,454	1,065
355	300	3,531	995	3,074	1,065

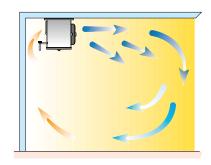


Cubic

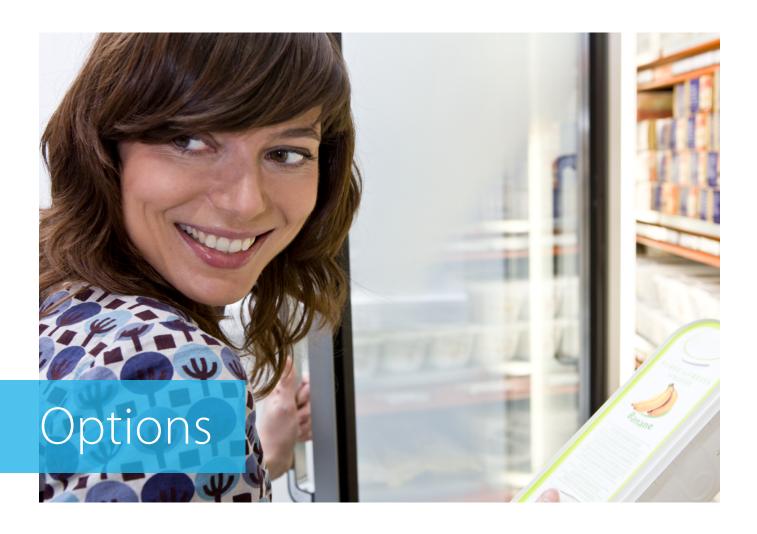




mm	Α	В	C	D	E
301	420	480	789	495	345
302	420	480	1,254	960	345
303	420	480	1,719	1,425	345
HEU351	545	690	805	605	540
HEU352	530	690	1,220	965	540
HEU353	600	690	1,690	1,370	540
HEU403	620	700	1,840	1,520	545
HEU502	844	992	1,829	1,526	740
SKC352	490	606	1,614	1,270	450
SKC353	490	606	2,234	1,890	450
SKC452	610	650	2,032	1,680	510
SKC503	800	830	3,350	2,760	675







# Options

## for ZEAS and Conveni-Pack

			(O Conv	eni-Pack	Conveni-Pack		ZEAS		Multi-ZEAS		
			LRYEN10AY1	LRNUN5AY1	LRYEO16AY	LREO5BY1 LREO6BY1	LREQ8BY1 LREQ10BY1 LREQ12BY	LRE015BY1 LRE020BY1			
	Digital pressure ga	uge kit		- BHGP26A1							
	Pressure gauge kit			-		KHGP26B140					
	Pressure Reduction	Kit	EKP	EKPRV1		-					
		(a+b+c+d) kit	KPS26C504	KPS26C160	KPS26C504	KPS26C160	KPS26C280	KP	S26C504		
SEE NEXT		a. Air outlet	KPS26C504T (left side)	KPS26C160T	KPS26C504T	KPS26C160T	KPS26C280T	KPS	526C504T		
PAGE		b. Air inlet (left)	KPS26C504B	-	KPS26C504L		KPS260	504L			
	Snowbreak hood*	c. Air inlet (right)	KPS26C504L	KPS26C160L	KPS26C504R		KPS260	504R			
	5.10 N 5. Calk 1.10 Ca	d. Air inlet (rear)		KPS26C160R	KPS26C504B	KPS26C160B	KPS26C280B	KPS	S26C504B		
		Air outlet	KPS26C160T (right side)				-				
		Air inlet (rear)	KPS26C160B (right side)								
CEE NEVT	Central drain pan k	it		-	KWC26C450**	KWC26C160	KPS26C280	KPS26C450	KPS26C450*** x2		
SEE NEXT PAGE	Modbus communic	ation kit	BRRS	9B1V1		BRR9A1V1****					
17102	Booster unit			-			-				
	Suction branch pip	e for multi				- EKHRQZM***					
				-	KHRQM22M29H8						
	Refnet header			-	KHRQ22M64H8						
				-	KHRQM22M75H8						
				-	KHRQ22M20TA8						
	Refnet joint			-	KHRQ22M29T9						
	Remerjonic	et joint		-	KHRQ22M64T8						
				-			KHRQ22M75T8				
	ntelligent Contr	oller		DSC601C51			-				
	ntelligent Man	ager		DCM601A51			-				

<sup>\*</sup> Snowbreak hoods are field-supplied. For technical drawings and more information, contact your dealer. It is recommended to install a snowbreak hood when regular snowfall occurs.

\*\* In cold areas, provide a drain pan heater (field supply) to prevent drained water from freezing up in the drain pan

\*\*\*\* required for each module

\*\*\*\*\* software update required (to be executed during commissioning)

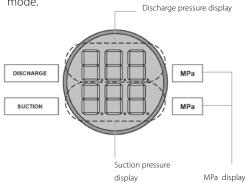
\*\*\*\*\* mandatory

## Digital pressure gauge kit

#### BHGP26A1

The digital measurement display allows you to diagnose a unit at a glance and it can be used with all ZEAS and R-410A Conveni-Pack systems.

- Digital measurement display for fixed installation or service applications.
- > Displays high and low pressure.
- > Displays error codes in the event of a fault.
- > Displays up to 32 operating parameters.
- > Displays error code history (last three).
- > Scrolls and stores output values.
- Automatically returns to normal operating display mode.





#### Modbus communication kit

#### BRR9A1V1

The Daikin Modbus Communication Interface lets you fully integrate Daikin ZEAS and Daikin R-410A Conveni-Pack systems with building control automation networks and other monitoring systems.

The interface allows you to read all the operational parameters and control important values using the Modbus protocol. This unifying component transforms ZEAS and Conveni-Pack into a transparent, customisable refrigeration unit and means that you can create object-specific and energy-optimised shop concepts, including remote monitoring application.

Pro interfaces can be used to connect up to 32 ZEAS units, and are also suitable for use with R-410A Conveni-Pack systems and the Booster.

#### **Control values**

- > Target evaporation temperature
- > Low pressure level for on and off points
- > Forced stop
- > Error messages can be cancelled remotely



#### Display values

- > Model information and operating status
- > Refrigerant operating pressure and temperatures
- Electrical operating data and temperatures for components
- > Target values
- > Fan stage and compressor frequency, operating hours
- Warning and error messages as well as system safety functions

## Modbus communication kit

The Daikin Modbus Communication Interface lets you fully integrate Daikin ZEAS and Daikin CO<sub>2</sub> Conveni-Pack systems with building control automation networks and other monitoring systems.

The interface allows you to read all the operational parameters and control important values using the Modbus protocol on refrigeration and comfort side. This unifying component transforms CO<sub>2</sub> Conveni-Pack into a transparent, customisable refrigeration unit and means that you can create object-specific and energy-optimised shop concepts, including remote monitoring application.

Pro interfaces can be used to connect up to 7  $\mathrm{CO_2}$  Conveni-Pack units.

More details and final information can be found by scanning or clicking the QR codes.











To respond to all shop requirements for comfort cooling and heating















# Product Portfolio

Our transport refrigeration unit range offers reliable and efficient solutions for a wide range of applications and vehicle types. Each unit is designed to minimize your total cost of ownership, configured to your exact needs, manufactured to Daikin's rigorous quality standards, and supported with a service network available 24/7.

	V	AN	
Direct	t-Drive	Elec	ctric
Invisible Direct-Drive	Zero Direct-Drive	Invisible Electric	Zero Electric
3.5m - 4m	4m - 5m	3.5m - 4m	4m - 5m
	ZANOTTI	ZANOTTI	ZANOTTI
SFZ007 SFZ008 SFZ009	Z200 Z250 Z350 Z380	SFZ009e	Z120b Z200e Z250e Z350e
	A 380 ZANOTTI		A 350e ZANOTTI
THEST	AMESTI E	THE THE STATE OF T	THESTI
SFZ009 Multi	Z380 Multi	SFZ009e Multi	Z350e Multi

LIGHT TRUCK	TRU	JCK	TRAILER
SFZ	Uno	Uno Undermount	Exigo
4.5m - 6.5m	5m - 8.5m	7m - 8.5m	9m - 15m
ZANOTTI	I LANGTTI	ZANOTTI	EISO0
SFZ238 SFZ248	U600 U800 U1000	UN120	E1500
ZANOTTI  ZANOTTI	ZANOTTI	ZANOTTI	
SFZ238 Multi SFZ248 Multi	U800 Multi U1000 Multi	UN120 Multi	







#### **Invisible Direct-Drive**

## SFZ007 | SFZ008 | SFZ009 | SFZ009 Multi

Our Invisible range is designed for discreet and efficient transportation of refrigerated products in vans. These units are installed underneath the vehicle chassis, completely invisible from the outside, preserving the aesthetics, original height and aerodynamics of the vehicle, while reducing bodywork. SFZ007, SFZ008 and SFZ009 offer varying refrigeration capacities and volume ratings tuned for different applications. SFZ009 Multi features dual evaporators to enable products with different temperature requirements to be transported in two separate zones.

The Invisible range, with its ultra-thin dimensions make it the ideal choice for customers who need a space-saving solution. A driverfriendly interface in the cabin allows real-time monitoring and control of the unit performance to ensure the cargo is maintained at precisely the right temperature throughout the trip.

#### **Key Features:**

Multiple temperature zones in the same vehicle (Multi model only)  $\checkmark$ 

Powered by direct-drive on road, electric grid on stand-by

Vehicle access to tight underground areas

 $\checkmark$ Under-chassis mounting preserves vehicle aesthetics and aerodynamics

 $\checkmark$ Invisible from the outside

Low noise

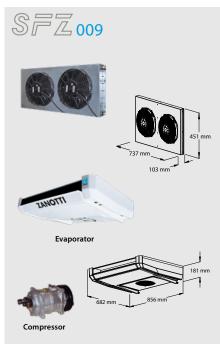
User-friendly cabin driver interface

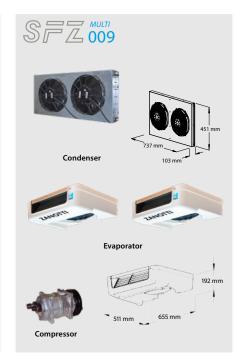
Telematics-compatible



#### SFZ007 | SFZ008 | SFZ009 | SFZ009 Multi







		SFZ	2007	SFZ	2008	SFZ	.009	SFZ00	9 Multi
General									
Refrigerant	[-]	R1:	34a			R4:	52A		
System net cooling capacity under A	TP condition	ns (30°C amb	ient temperat	ure)					
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode	[W]	1,790	N/A	2,180	1,090	3,160	1,828	2,990	1,580
Stand-by mode	[W]	1,130	N/A	1,580	800	2,030	1,124	1,760	970
Heating capacity									
Road mode	[W]	N	/A	1,890		2,790		2,640	
Stand-by mode	[W]	N	/A	1,380		1,630		1,5	580
Airflow rate									
Airflow rate at 100kPa static pressure	[m³/h]	6	20	9	10	840		2x 620	
Weight									
Condenser without electric stand-by	[kg]	2	25	3	18	4	15	4	<b>1</b> 5
Condenser with electric stand-by	[kg]	5	50	6	55	7	75		75
Evaporator	[kg]	1	10		4	20.5		2x 10.2	
Road compressor									
Displacement	[cc]	14	46	14	16	16	63	1	63



## **Zero Direct-Drive**

## Z200 | Z250 | Z350 | Z380

The Zero range meets the needs of the distribution industry by offering the utmost flexibility in the temperature management of refrigerated products. The extensive direct-drive Zero line-up including Z200, Z250, Z350, and Z380 is designed to meet a wide range of applications in light commercial vehicles.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.

#### Key Features:

✓ Proven reliability and performance

Powered by direct-drive on road, electric grid on stand-by

Easy to install and service with removable side panels

Configurable for a wide range of refrigerated applications in light commercial vehicles

✓ Low noise

☑ User-friendly cabin driver interface

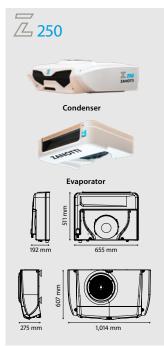
Reduced refrigerant charge and maintenance costs

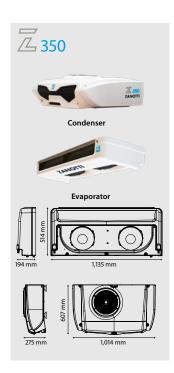
▼ Telematics-compatible

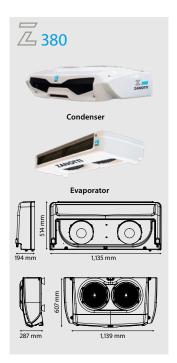


#### Z200 | Z250 | Z350 | Z380









		Z2	50	Z3	80	Z2	00	Z2	50	Z3	50	Z3	80
General													
Refrigerant	[-]		R1:	34a		R452A							
System net cooling capacity under A	TP conditio	ns (30°C :	ambient t	emnerati	ıre)								
bystem necessing capacity under A	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Road mode	[W]	2,140	N/A	2,920	N/A	2,220	1,170	2,680	1,470	3,350	1,840	3,800	2,020
Stand-by mode	[W]	1,130	N/A	1,900	N/A	1,500	700	2,120	820	2,240	890	2,450	970
Heating capacity													
Road mode	[W]	1,930		2,6	520	2,100		2,500		3,100		3,300	
Stand-by mode	[W]	1,020 1,710		1,3	00	0 1,900		2,000		2,200			
Airflow rate													
Airflow rate at 100kPa static pressure	[m³/h]	650 1,300		622 650		1,300		1,300					
Weight													
Condenser without electric stand-by	[kg]	3	4	4	0	3	0	3	6	3	6	4	2
Condenser with electric stand-by	[kg]	7	0	7	8	5	6	7	2	7	2	8	0
Evaporator	[kg]	ġ	9	1	8	10	).2	10	.5	19	.6	19	9.6
Road compressor													
Displacement	[cc]	14	16	16	53	13	31	13	31	14	16	14	16

## **Zero Direct-Drive Multi-Temp**

## Z380 Multi

Z380 Multi and Z380 Multi (Narrow Evap) models are designed to meet the modern needs of low environmental impact refrigeration for light commercial vehicles. These units feature additional evaporators to enable transport of products with different temperature requirements in separate zones, available in multiple configurations to adapt to a wide range of applications.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultrathin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.



 $\checkmark$ 

 $\checkmark$ Multiple temperature zones in the same vehicle  $\checkmark$ 

Proven reliability and performance

Powered by direct-drive on road, electric grid on stand-by

Easy to install and service with removable side panels

Configurable for a wide range of refrigerated applications in light

commercial vehicles

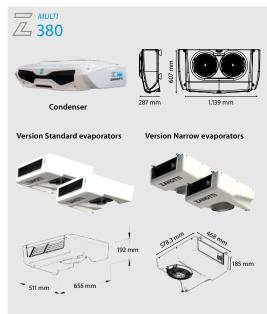
 $\checkmark$ Low noise

 $\checkmark$ User-friendly cabin driver interface

 $\checkmark$ Reduced refrigerant charge and maintenance costs

Telematics-compatible





		Z380	Z380 Multi (Narrow Evap)			
General						
Refrigerant	[-]		R4:	 52A		
System net cooling capacity under A	TP conditions (3	30°C ambient temperati	ure)			
	[°C]	0°C	-20°C	0°C	-20°C	
Road mode	[W]	3,265	1,655	3,250	1,310	
Stand-by mode	[W]	2,030	640	2,420	1,030	
Heating capacity						
Road mode	[W]	3,0	010	2,630		
Stand-by mode	[W]	1,7	70	1,520		
Airflow rate						
Airflow rate at 100kPa static pressure	[m³/h]	2x	620	2x 830		
Weight						
Condenser without electric stand-by	[kg]	4	2	42		
Condenser with electric stand-by	[kg]	8	0	80		
Evaporator	[kg]	2x -	10.2	2x 16		
Road compressor						
Displacement	[cc]	14	16	146		



#### SFZ009e | SFZ009e Multi



#### **Invisible Electric**

## SFZ009e | SFZ009e Multi

The Invisible Electric range is designed for discreet and efficient transportation of refrigerated products in vans on electric power, both on road and during stand-by. A highly reliable battery-inverter package supplies the power, making the Invisible Electric an ideal choice for full-electric, hybrid, or conventional vehicles.

These units are installed underneath the vehicle chassis, completely invisible from the outside, preserving the aesthetics, original height and aerodynamics of the vehicle, while reducing bodywork. SFZ009e offers varying refrigeration capacities and volume ratings tuned for different applications. SFZ009e Multi features dual evaporators to enable products with different temperature requirements to be transported in two separate zones.

The Invisible range, with its ultra-thin dimensions make it the ideal choice for customers who need a space-saving solution. A driver-friendly interface in the cabin allows real-time monitoring and control of the unit performance to ensure the cargo is maintained at precisely the right temperature throughout the trip.

#### **Key Features:**

 $\checkmark$ 

✓ Zero emissions

Powered by reliable battery-inverter pack on road, chargeable on electric grid

Compatible with full-electric, hybrid or conventional vehicles

Multiple temperature zones in the same vehicle (Multi model only)

✓ Vehicle access to tight underground areas

✓ Under-chassis mounting preserves vehicle aesthetics and aerodynamics

✓ Invisible from the outside

✓ Low noise

☑ User-friendly cabin driver interface

Telematics-compatible

#### SFZ009e | SFZ009e Multi





SFZ009e SFZ009e Multi						
General						
Refrigerant	[-]		R4:	52A		
System net cooling capacity under A	TP conditio	ns (30°C ambient temperati	ure)			
	[°C]	0°C	-20°C	0°C	-20°C	
Battery mode	[W]	2,030	1,124	1,760	970	
Heating capacity						
Battery mode	[W]	1,6	50	1,580		
Airflow rate						
Airflow rate at 100kPa static pressure	[m³/h]	84	40	2x 620		
Weight						
Condenser with electric stand-by	[kg]	7	5	7	75	
Evaporator	[kg]	20.5		2x 10.2		
				1		
Max current						
	[A]	16	55	170		
				<u> </u>		

These products contain fluorinated greenhouse gases (R452A GWP=2,140.5). Stand-by voltages available: 230/1/50 or 400/3/50 Vehicle voltages available: 12VDC or 24VDC

## **Zero Electric**

## Z120b

Z120b is powered by the vehicle battery, with minimal environmental impact and maximum cooling effectiveness ideal for refrigerated transport in vans. The unit can be installed quickly without any mechanical couplings with the vehicle engine, which also minimises power draw and thus emissions.

All Zero models provide easy installation and serviceability. The condensing unit can be mounted on the roof or the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.



#### **Key Features:**

 $\checkmark$ 

Low emissions

Proven reliability and performance

✓

Powered by vehicle battery on road, electric grid on stand-by Compatible with full-electric, hybrid or conventional vehicles

Easy to install and service with removable side panels Low noise

User-friendly cabin driver interface

Reduced refrigerant charge and maintenance costs

 $\overline{\checkmark}$ Telematics-compatible

2-year standard warranty, extendable up to 5 years



		Z1	20b
General			
Refrigerant	[-]	R4	152A
System net cooling capacity under	ATP conditions (30°C am	bient temperature)	
	[°C]	0°C	-20°C
Battery mode	[W]	1,300	550
Heating capacity			
Battery mode	[W]	1,	100
Airflow rate			
Airflow rate at 100kPa static pressure	[m³/h]	5	60
Weight			
Condenser with electric stand-by	[kg]		64
Evaporator	[kg]	1	0.2
Max current			
	[A]		



# Electric Power Supply

Our power supply packages are designed to match our Invisible Electric and Zero Electric ranges, providing a high level of reliability and customization for the specific vehicle and application needs.

The power supply can be configured as one or two DC lithium-ion batteries, each providing 1.25 to 5.5kW, up to 11kW total; and comes with a robust inverter battery charger.



#### **Key Features:**

Zero emissions

Zero maintenance

Automotive-grade design with high reliability

Long life with 3,500 cycles

Fast charging

230VAC power for charging and stand-by operation

Bluetooth connection with smartphone app

Compatible with telematics, for remote battery monitoring

Optional connection to vehicle DC battery for

supplementary power supply

Optional auxiliary input for external power supply





Battery Charger

Z120b only





Inverter Battery Charger SFZ009e / Z200e / Z250e / Z350e / Z350e Multi



#### **Zero Electric**

## Z200e | Z250e | Z350e | Z350e Multi

The Zero range meets the needs of the distribution industry by offering the utmost flexibility in the temperature management of refrigerated products. Zero Electric is designed to meet a wide range of applications in light commercial vehicles on electric power, both on road and during stand-by. A highly reliable battery-inverter package supplies the power, making Zero Electric an ideal choice for full-electric, hybrid, or conventional vehicles.

Z200e, Z250e and Z350e offer varying refrigeration capacities and volume ratings tuned for different applications. Z350e Multi features additional evaporators to enable transport of products with different temperature requirements in separate zones.

All Zero models provide easy installation and serviceability. The condensing unit can be installed as top-mount on the roof of the box or nose-mount on the front wall of the box, and the ultra-thin evaporator installed in the cargo compartment maximizes cargo volume. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip. Our Zero units are setting new standards with their attractive design.

#### **Key Features:**

Zero emissions

Powered by reliable battery-inverter pack on road, chargeable on electric grid

Compatible with full-electric, hybrid or conventional vehicles
 Multiple temperature zones in the same vehicle (Multi model only)

✓ Proven reliability and performance

☑ Easy to install and service with removable side panels

Low noise

☑ Configurable for a wide range of refrigerated applications in light commercial vehicles

✓ User-friendly cabin driver interface

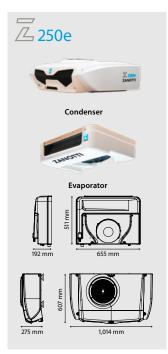
✓ Reduced refrigerant charge and maintenance costs

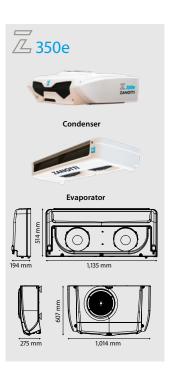
▼ Telematics-compatible

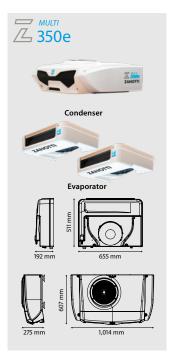


## Z200e | Z250e | Z350e | Z350e Multi



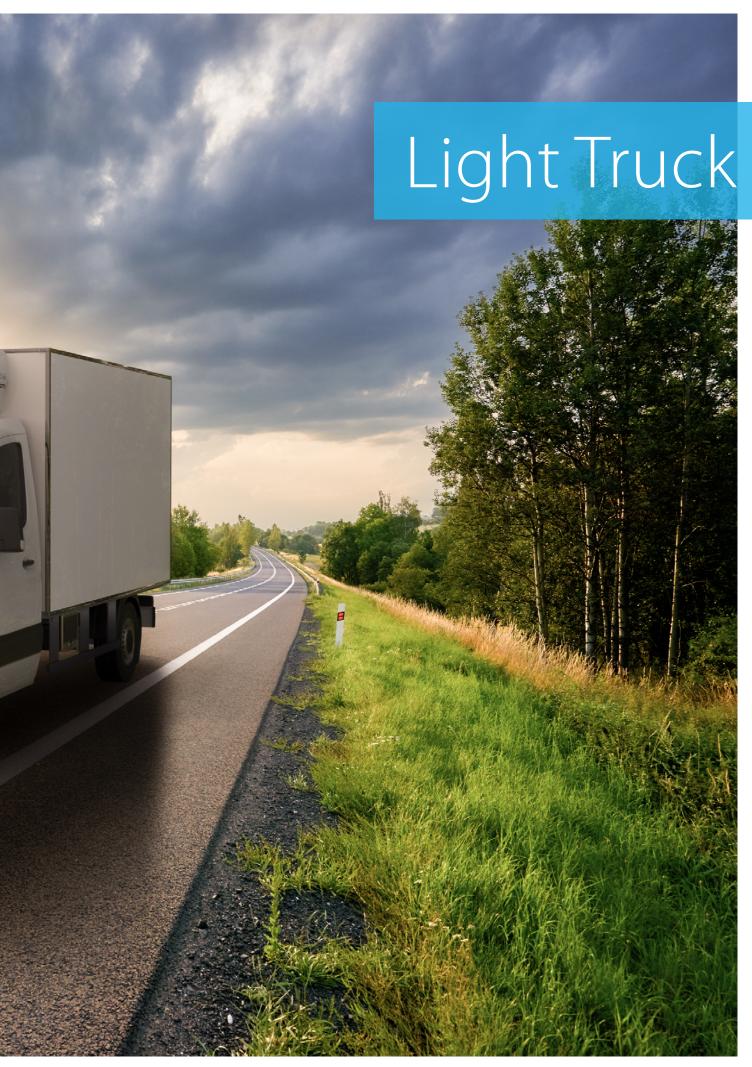


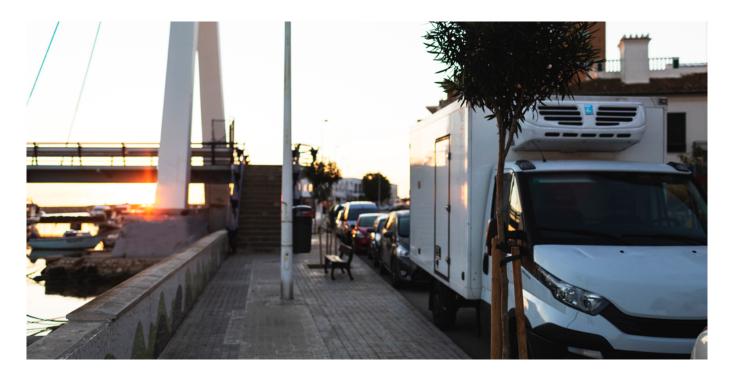




	Z200e		Z2	50e	Z350e		Z350e Multi		
General									
Refrigerant	[-]				R4	52A			
System net cooling capacity under A	TP conditio	ns (30°C amb	ient temperat	ure)					
	[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C	0°C	-20°C
Battery mode	[W]	1,495	695	1,735	955	1,880	1,045	1,940	830
Heating capacity									
Battery mode	[W]	1,2	200	1,5	500	1,6	550	1,6	500
Airflow rate									
Airflow rate at 100kPa static pressure	[m³/h]	620		650		1,300		2x 620	
Weight									
Condenser with electric stand-by	[kg]		54	70		70		70	
Evaporator	[kg]	10	0.2	10	).5	19	9.6	2X	10.2
Max current									
	[A]	1	00	1:	59	16	56	1	71







## SFZ SFZ238 | SFZ248

SFZ is a robust direct-drive solution for refrigerated transport on light to medium trucks. It is a proven design optimized for energy-efficiency, low noise, and easy-to-service transport of temperature-controlled goods in medium sized boxes.

SFZ238 and SFZ248 are designed as nose-mount, installed on the front wall of the box, with multiple configurations of evaporators and fans to meet the requirements of a wide range of vehicle types and applications. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

#### Key Features:

✓ Proven reliability and performance

✓ Powered by direct-drive on road, electric grid on stand-by

■ Easy to install and service, light weight

✓ Low noise

Configurable for a wide range of refrigerated applications in light to medium trucks

✓ User-friendly cabin driver interface

▼ Telematics-compatible







	SFZ238			SFZ248		
General						
Refrigerant	[-]		R4	52A		
System net cooling capacity under A	ΓP conditio	ns (30°C ambient temperate	ure)			
	[°C]	0°C	-20°C	0°C	-20°C	
Road mode	[W]	4,700	2,470	5,100	2,570	
Stand-by mode	[W]	3,830	2,010	4,405	2,005	
Heating capacity						
Road mode	[W]	3,9	990	4,540		
Stand-by mode	[W]	3,5	310	2,800		
Airflow rate						
Airflow rate at 100kPa static pressure	[m³/h]	1,6	570	3,340		
Weight						
Condenser without electric stand-by	[kg]	7	0	77		
Condenser with electric stand-by	[kg]	128		143		
Evaporator	[kg]	26.5		42.5		
Road compressor						
Displacement	[cc]	16	53	215		

## **SFZ Multi-Temp**

## SFZ238 Multi | SFZ248 Multi

Our SFZ Multi-Temp range is designed to meet the modern needs of refrigeration for light to medium trucks. These units feature additional evaporators to enable transport of products with different temperature requirements in separate zones, available in multiple configurations to adapt to a wide range of applications. It is a proven design optimized for energy-efficiency, low noise, and easy-to-service transport of temperature-controlled goods in medium-sized boxes.

SFZ238 Multi and SFZ248 Multi are designed as nose-mount, installed on the front wall of the box. A driver-friendly interface in the cabin allows real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

#### Key Features:

✓ Multiple temperature zones in the same vehicle

Proven reliability and performance

Powered by direct-drive on road, electric grid on stand-by

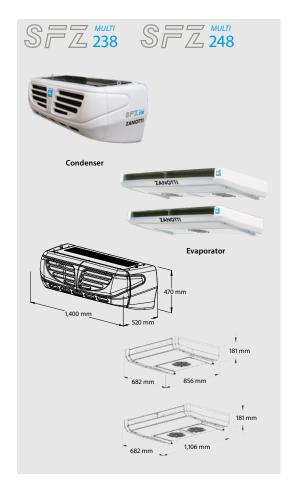
☑ Easy to install and service, lightweight

Low noise

Configurable for a wide range of refrigerated applications in light to medium trucks

✓ User-friendly cabin driver interface

▼ Telematics-compatible



		SFZ23	SFZ248 Multi					
General								
Refrigerant	[-]	R452A						
System net cooling capacity under A	TP conditions (3	0°C ambient temperate	ure)					
	[°C]	0°C	-20°C	0°C	-20°C			
Road mode	[W]	4,240	2,135	5,080	2,560			
Stand-by mode	[W]	3,570 1,635		4,130	2,020			
Heating capacity								
Road mode	[W]	3,8	350	4,430				
Stand-by mode	[W]	3,2	230	3,610				
Airflow rate								
Airflow rate at 100kPa static pressure	[m³/h]	2x	835	2x 1	,670			
Weight								
Condenser without electric stand-by	[kg]	7	70	77				
Condenser with electric stand-by	[kg]	12	28	143				
Evaporator	[kg]	2	2x	2x				
Road compressor								
Displacement	[cc]	16	63	215				





## Uno

## U600 | U800 | U1000

The redesigned Uno range of units are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in medium to heavy trucks. The Uno features Zanotti's innovative direct coupling design between the engine and the compressor, and utilize Daikin's expertise in design for reliability and performance. Their high cooling performance, energy efficiency and extended maintenance intervals minimise the total cost of ownership, while meeting the most stringent emission, material waste, and noise pollution regulations.

U600, U800, and U1000 are designed as nose-mount, installed on the front wall of the box. The electronics enabled advanced diagnostics and two-way telematics including remote monitoring and control. A robust interface in the cabin can be installed in the vehicle DIN slot or mounted on the dash, allowing real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

#### **Key Features:**

Designed for high reliability with a custom Yanmar engine

Innovative powertrain design enabling high performance and energy efficiency

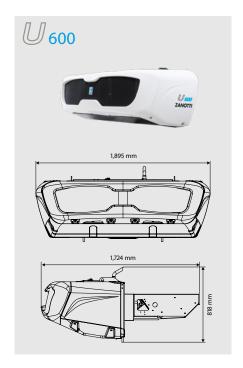
Reduced fuel consumption and noise

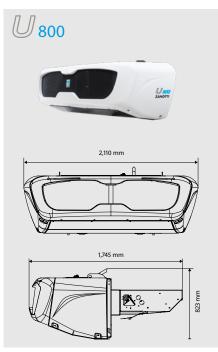
Extended maintenance intervals

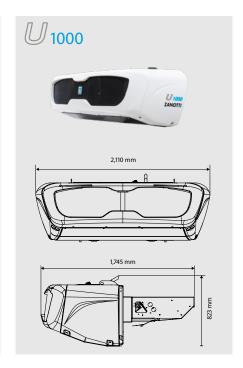
All-new electronics compatible with two-way telematics



## U600 | U800 | U1000







U600		U800		U1000		
[-]			R4.	52A		
[-]			Hot gas	defrost		
P conditions	(30°C ambient to	emperature)				
[°C]	0°C	-20°C	0°C	-20°C	0°C	-20°C
[W]	6,200	3,200	8,600	4,700	10,000	5,700
[W]	3,700	1,700	6,500	3,500	8,300	4,500
[W]	5,40	00	7,5	500	8,7	700
[W]	3,20	00	5,700		7,200	
[m³/h]	1,50	00		2,6	10	
[kg]	48	5	500		54	19
[kg]	43	5	455		504	
[cc]	85	4	1,	116	1,116	
[kW]	11.	5	1:	5.1	15.1	
[hrs]	2,000		2,000		2,000	
[cc]	23	5	3	25	39	90
	[-]	[-] [-] [-] [-] [-] [-] [-] [-] [-] [-]	[-] [-] [-] [-] [-] [P conditions (30°C ambient temperature) [°C] 0°C -20°C [W] 6,200 3,200 [W] 3,700 1,700  [W] 5,400 [W] 3,200  [m³/h] 1,500  [kg] 485 [kg] 435  [cc] 854 [kW] 11.5 [hrs] 2,000	[-] R4 [-] Hot gas    P conditions (30°C ambient temperature)	[-] R452A [-] Hot gas defrost  P conditions (30°C ambient temperature)  [°C] 0°C -20°C 0°C -20°C [W] 6,200 3,200 8,600 4,700 [W] 3,700 1,700 6,500 3,500  [W] 5,400 7,500 [W] 3,200 5,700  [[W] 3,200 5,700  [[kg] 485 500 [[kg] 435 455  [cc] 854 1,116 [[kW] 11.5 15.1 [[hrs] 2,000 2,000	[-]         R452A           [-]         Hot gas defrost           (°C)         0°C         -20°C         0°C         -20°C         0°C           [W]         6,200         3,200         8,600         4,700         10,000           [W]         3,700         1,700         6,500         3,500         8,300           [W]         5,400         7,500         8,7         7,2           [W]         3,200         5,700         7,2           [m³/h]         1,500         2,610         5/4           [kg]         485         500         5/4           [kg]         435         455         50           [cc]         854         1,116         1,1           [kW]         11.5         15.1         15           [kw]         1,000         2,000         2,000         2,000

#### U800 Multi | U1000 Multi



#### Uno

# U800 Multi | U1000 Multi

The redesigned Uno range of units are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in medium to heavy trucks. The Uno features Zanotti's innovative direct coupling design between the engine and the compressor, and utilise Daikin's expertise in design for reliability and performance. Their high cooling performance, energy efficiency and extended maintenance intervals minimise the total cost of ownership, while meeting the most stringent emission, material waste, and noise pollution regulations.

U800 Multi and U1000 Multi are designed as nose-mount, installed on the front wall of the box, with multiple configurations of evaporators and fans to meet the requirements of a wide range of vehicle types and applications. The electronics enabled advanced diagnostics and two-way telematics including remote monitoring and control. A robust interface in the cabin can be installed in the vehicle DIN slot or mounted on the dash, allowing real-time monitoring and control of unit performance to ensure goods are maintained at precisely the right temperature throughout the trip.

#### **Key Features:**

 $\checkmark$ 

Multiple temperature zones in the same vehicle  $\checkmark$ 

Designed for high reliability with a custom Yanmar engine

Innovative powertrain design enabling high performance and energy efficiency

Reduced fuel consumption and noise

 $\checkmark$ Extended maintenance intervals

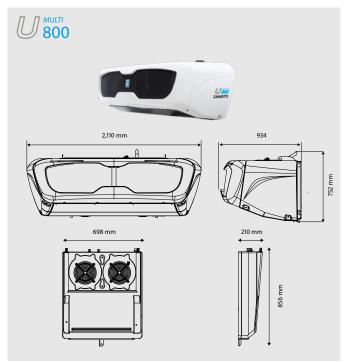
All-new electronics compatible with two-way telematics

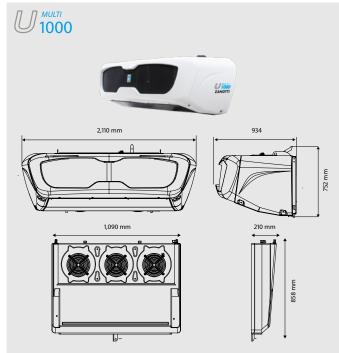
2-year standard warranty, extendable up to 5 years



The all-new Uno cabin controller is modern technology in a robust build.

#### U800 Multi | U1000 Multi





		U800	Multi	U1000	Multi	
General						
Refrigerant	[-]			52A		
Defrost	[-]		Hot ga	s defrost		
System net cooling capacity under A	ΓP conditions (3	0°C ambient temperatu	ire)			
	[°C]	0°C	-20°C	0°C	-20°C	
Road mode	[W]	7,970	4,140	9,800	5,400	
Stand-by mode	[W]	6,050	3,075	8,700	4,500	
Heating capacity						
Road mode	[W]	7,30	00	8,50	00	
Stand-by mode	[W]	4,9	00	7,600		
Airflow rate						
Airflow rate at 100kPa static pressure	[m³/h]	2x 1,	680	2x 2,	520	
Weight						
Split road and stand-by	[kg]	50	0	505		
Monoblock road-only	[kg]	46	0	465		
Evaporator	[kg]	35 :	x 2	40 x 2		
Diesel engine						
Displacement	[cc]	1,11	16	1,11	16	
Rated power output	[kW]	13.	2	13.	.2	
Maintenance interval	[hrs]	2,0	00	2,00	00	
Road compressor						
Displacement	[cc]	32	5	39	0	
Chand by somewhare						
Stand-by compressor	5 30 2					
Displacement	[m³/h]	14.	.4	21.	.4	

#### **Uno Undermount**

# UN120 | UN120 Multi

Uno Undermount models are independently powered with a diesel engine, and available in various capacities to efficiently transport temperature-controlled products in heavy trucks. The units feature Zanotti's innovative direct coupling design between the engine and the compressor.

UN120 and UN120 Multi are undermount units designed to be installed under the box. UN120 Multi features additional evaporators to enable transport of products with different temperature requirements in separate zones. A driver-friendly interface in the cabin enables them to monitor and modify performance to ensure it is kept at precisely the right temperature throughout the trip.

#### Key Features:

 $\checkmark$  $\checkmark$  Multiple temperature zones in the same vehicle (Multi model only)

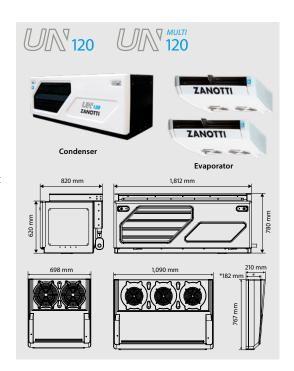
Designed for high reliability with a custom Yanmar engine

Innovative powertrain design enabling high performance and energy efficiency

Reduced fuel consumption and noise

✓ Telematics-compatible

2-year standard warranty



		UN	N120	UN120	Multi	
General						
Refrigerant	[-]		R45	52A		
Defrost	[-]		Hot gas	defrost		
System net cooling capacity under AT	TP conditions (	30°C ambient temperat	cure)			
	[°C]	0°C	-20°C	0°C	-20°C	
Road mode	[W]	11,500	6,200	10,600	5,700	
Stand-by mode	[W]	8,200	4,200	7,500	3,900	
Heating capacity						
Road mode	[W]	10,	.000	9,5	00	
Stand-by mode	[W]	7,	100	6,7	700	
Airflow rate						
Airflow rate at 100kPa static pressure	[m³/h]	4	500	2x 2	520	
7 iii now rate at room a static pressure	[/.11]	1,			,320	
Weight						
Condensing unit road and stand-by	[kg]	5	510	510		
Condensing unit road-only	[kg]	4	175	475		
Evaporators	[kg]	4	40	40 x 2		
Diesel engine						
Displacement	[cc]	1,	116	1,1	16	
Rated power output	[kW]	1.	3.2	13	.2	
Maintenance interval	[hrs]	2,	000	2,0	00	
Road compressor						
Displacement	[cc]	3	90	39	90	
Stand-by compressor						
Displacement	[m³/h]		1.4	21		









# Exigo E1500

Daikin Exigo E1500 is the reflection of our legacy in innovation, reliability, and transport refrigeration expertise. E1500 is the pinnacle of diesel-powered refrigeration, built on an electric-ready platform.

#### Exigo offers minimum total cost of ownership and maximum peace of mind

- > Full variable speed achieving lower fuel consumption than fixed speed units
- > Electric architecture providing 15kW true capacity both on the road and the grid
- > Highest cooling power of the category in frozen applications
- > Ease of unit operation with high resolution graphical user interface
- > Ease of fleet management via advanced telematics, compatible across platforms
- > Daikin components with proven reliability and lightweight design (over 100kg lighter)
- > Low-noise as standard, PIEK available
- > Reduced maintenance downtime with 3,000h service interval as standard
- > 2-year warranty, telematics and maintenance coverage included as standard
- > EMEA sales and service network backed by Daikin



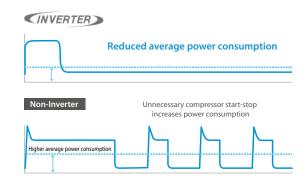
High resolution graphical user interface



Advanced telematics included as standard







Inverter reduces power and fuel consumption by eliminating unnecessary compressor start-stop

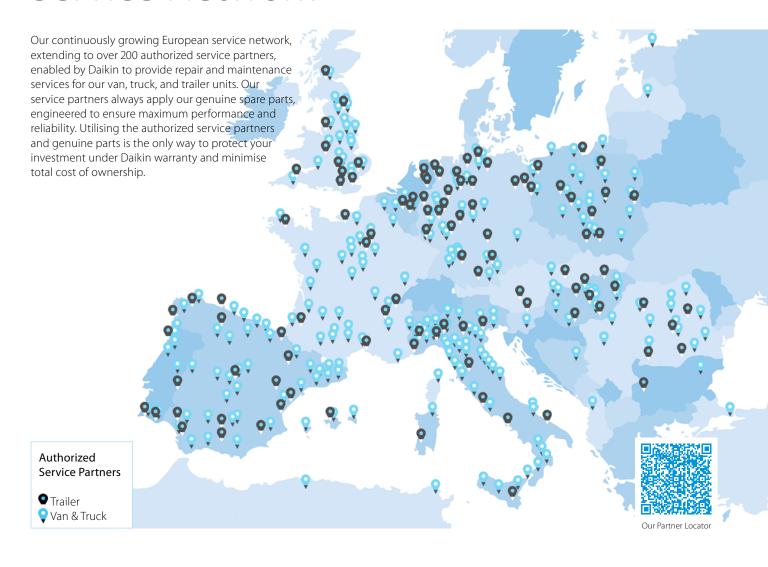
Specifications	
Cooling capacity 30/0°C (W) - Road & Grid	14,900
Cooling capacity 30/-20°C (W) - Road & Grid	9,200
Heating capacity -20/+2°C (W) - Road & Grid	10,500
Air Flow rate evaporator at max pulldown (m³/h)	5,500
	Custom scroll compressor   economizer   inverter
Compressor	Variable speed
Variable speed components	Compressor   Evaporator fans   Condenser Fans
PCB	Daikin
Temperature zones	Single
Refrigerant	R-452A
Total net weight (kg)*	730
Unit Dimensions W x H x D (mm)	2,072 x 2,227 x 440
Sound Pressure Level dB(A) at PIEK condition*	65
Connectivity	Telematics as Standard with 2-Year Contract Included
Maintenance	Maintenance as Standard with 2-Year Contract Included
Pharma	Certicold GDP certification
Connectivity	Telematics with 2-year contract included
Maintenance	Maintenance with 2-year contract included

<sup>\*</sup> provisional data





# Service Network



# Service Contracts

Our vision in Daikin Transport Refrigeration is to support the entire lifecycle of our customers' products. All our transport refrigeration units come standard with a two-year warranty. With the launch of Daikin Exigo trailer refrigeration unit, we are introducing the following additional service contracts.

#### Maintenance Plan

Exigo comes standard with a two-year maintenance plan, covering the scheduled service intervals at national service providers. After the first two years, the contract is renewable on an annual basis.

#### **Extended Warranty**

Exigo international parts & labor warranty can be extended on an annual basis after the first two years of standard warranty. The Extended Warranty contract requires Telematics and Maintenance Plan to be also selected.

#### 24/7 Breakdown Support

Our European call center will help arrange breakdown service regardless of time, location or language. This service is also included as standard for the first two years, renewable annually.

#### Stand By Me

Exigo customers will have access to the Daikin Stand By Me portal which simplifies contract management and renewal for fleet managers.



# **Telematics**

Daikin Telematics help trailer fleet managers gain greater insight and control over their fleet remotely. The back-end of our system is supported by an EU-based provider highly experienced in commercial vehicle telematics providing connectivity across EMEA. Exigo comes standard with two-year telematics and renewable annually afterwards.

The telematics framework is designed with the customer in mind, providing utmost flexibility by being configurable for third-party fleet management software. The included telematics portal provides state-of-the-art visibility and control of each unit in the fleet.

☑ Live location monitoring on map

Remote HMI display and control

Error messages with push notification

☑ Geofence alarm and low-noise programming

**▼** Remote unit diagnostics



Service Contracts	Zanotti Van & Truck Range (First 2 years)	Daikin Exigo (First 2 years)	Daikin Exigo (Annual Renewal)
Warranty EMEA parts and labor warranty coverage	Included	Included	Optional Extended Warranty (requires) Telematics and
Telematics EMEA coverage and fleet management portal access		Included	Maintenance Plan) Optional
Maintenance Plan National scheduled preventative maintenance		Included	Optional
<b>24/7 Breakdown Support</b> Call center support in main European languages		Included	Optional



If you are a user or installer it is important you can **interact with our systems** in the easiest way, from **anywhere you are**. For any user our interfaces create **peace of mind** that their system is running in the best possible way.

Depending on the type of user and application Daikin develops controls and cloud services to ensure the best experience.

- > For home owners it means **app and voice control** of their home comfort.
- > For hotel owners it means easy and stylish **personal control for guests**, with an integration in hotel booking software for central control
- > For technical managers it means **cloud access** to all sites, with the possibility to benchmark, optimize performance
- > For installers it means **easy transfer of settings during commissioning**, remote retrieval of errors and preventive alerts to save time on maintenance or interventions

Our controls enable you to **connect with your customer**, save time, improve your comfort intelligently and reduce energy bills.











# Remote monitoring







home**hub** 



# Control Systems

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# **Control solutions summary**

Daikin offers various control solutions adapted to the requirements of even the most demanding commercial application.

- > Basic control solutions for those customers with few requirements and limited budget
- > Integrating control solutions for those customers who would like to integrate Daikin units into their existing BMS system
- Advanced control solutions for those customers who expect Daikin to deliver a mini BMS solution, including advanced energy management

Shop	Unit c	ontrol		Integratir	ng control		Advanced control			
		21			, (a) (a) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		Intelligent Controller	Intelligent Manager	N 1 23	M. J.
	BRP069*	BRC1H52 W/S/K	RTD-20	EKMBPP1	KLIC DI V2	EKMBDXB	DCC601A51	DCM601B51	DGE601A51	DGE602A51
	Smartphone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s)	1 iTM for 64 indoor unit(s) (groups) (1)	Up to 512 units with extension modules via Daikin Cloud Plus	Max 64 units via Daikin Cloud Plus
Automatic control of A/C	•	•	•	•	•	•	•	•	•	•
Limit control possibilities for shop staff	•	•	•	•	•	•	•	•	•	•
Create zones within the shop			•				•	•	•	•
Interlock with eg. Alarm, PIR sensor			•				• (limited)	•	•	•
Integration into smart home systems	• (5)									
Integrate Daikin units into existing BMS via Modbus			•	•		•				
Integrate Daikin units into existing BMS via KNX					•					
Integrate Daikin units into existing BMS via HTTP								•		
Monitor energy consumption	• (3)	• (3)						•	•	•
Advanced energy management								•	•	•
Allows free cooling								•		
Voice control	• (4)									
Integrate Daikin products cross pillars into Daikin BMS								•		
Integrate third party products into Daikin BMS								•	•	•
Online control	•							• (2)	•	•
Manage multiple sites									•	•

<sup>(1) 7</sup> iTM plus adapters (DGE601A52 and DGE601A53) can be added to have 512 indoor groups and 80 outdoor (systems) | (2) Through own IT set-up (not Daikin cloud server) | (3) Not available on all indoors | (4) Only for BRP069C51, connection to Google Assistant and Amazon Alexa | (5) Only for BRP069C51, contact your local sales representative for an overview of available services.

Hotel	Unit control	Integratii	ng control	Advanced control				
	21-				finding of Manager		H	
	BRC1H52 W/S/K	RTD-20	KLIC DI V2	DCM010A51	DCM601B51	DGE601A51	DGE602A51	
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)	Up to 512 units with extension modules via Daikin Cloud Plus	Max 64 units via Daikin Cloud Plus	
Hotel guest can control & monitor basic functionalities from his room	•							
Limit control possibilities for hotel guests	•	•	•	•	•	•	•	
Interlock with window contact		•			•	•	•	
Interlock with key-card		•			•	•	•	
Integrate Daikin units into existing BMS via Modbus		•						
Integrate Daikin units into existing BMS via KNX			•					
Integrate Daikin units into existing BMS via HTTP				•				
Integrate Daikin unit control in hotel booking software				•				
Oracle Opera PMS				•				
Monitor energy consumption					•	•	•	
Advanced energy management					•	•	•	
Integrate Daikin products cross pillars into Daikin BMS					•			
Integrate third party products into Daikin BMS					•	•	•	
Online control					•	•	•	

(1) 7 iTM plus adapters (DGE601A52 and DGE601A53) can be added to have 512 indoor groups and 80 outdoor (systems)

Office	Unit control	Int	Integrating control			Advanced control				
	21		LonWorks Interface	BACnet Interface	intelligent Controller	Intelligent Manager		H 1		
	BRC1H52 W/S/K	EKMBDXB	DMS504B51	DMS502A51	DCC601A51	DCM601B51	DGE601A51	DGE602A51		
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 outdoors (2)	1 unit for 32 indoor unit(s) (groups)	1 iTM for 64 indoor unit(s) (groups) (1)	Up to 512 units with extension modules via Daikin Cloud Plus	Max 64 units via Daikin Cloud Plus		
Automatic control of A/C	•	•	•	•	•	•	•	•		
Centralised control for management		•	•	•	•	•	•	•		
Local control for office staff	•				•	• Through web	•	•		
Limit control possibilities for office staff	•	•	•	•	•	•	•	•		
Integrate Daikin units into existing BMS via Modbus		•								
Integrate Daikin units into existing BMS via HTTP						•				
Integrate Daikin units into existing BMS via LonTalk			•							
Integrate Daikin units into existing BMS via BACnet				•						
Energy consumption read out	• (3)					•	•	•		
Monitor energy consumption						•	•	•		
Advanced energy management						• (5)	•	•		
PPD software to distribute used kWh/indoor unit				• (4)		•	•	•		
Integrate Daikin cross pillar products into Daikin BMS						•				
Integrate third party products into Daikin BMS						•	•	•		
Online control							•	•		
Manage multiple sites							•	•		

(1) 7 iTM plus adapters (DGE601A52 and DGE601A53) can be added to have 512 indoor groups and 80 outdoor (systems) | (2) Extension (DAM411B51) needed to have up to 256 indoor unit(s) (groups), 40 outdoors | (3) Not available on all indoor units | (4) via DAM412B51 option | (5) via DCM002A51 option

Infrastructure cooling	Unit	Integrating	Advanced
	-21-		foots in Sent Manager
	BRC1H52W/S/K	RTD-10	DCM601B51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	•	•	•
Back-up operation	•	•	•
Duty rotation	•	•	•
Limit control possibilities in the technical cooling room	•	•	•
If room temperature above max., then show alarm & start standby unit.		•	•
If an error occurs, an alarm will be shown.	•	•	•
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	•	Via WAGO I/O

(1) 7 iTM plus adapters (DGE601A52 and DGE601A53) can be added to have 512 indoor groups and 80 outdoor (systems) | (2) Infrastructure cooling functions only compatible with indoor units connected to RZQG\*/RZAG\* outdoor units. | (3) See option list of indoor unit



The Onecta App is for those who live their life on the go and who want to manage their Daikin system from their smartphone.



# onecta

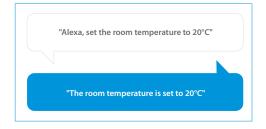
#### Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.



Example of using the voice control via Google Assistant



Scan the QR code to download the app now











#### Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

- Schedule room temperature and operation mode
- Enable holiday mode to save costs



#### Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ✓ Change room and domestic hot water temperature
- ✓ Turn on powerful mode to boost hot water production



#### Monitor

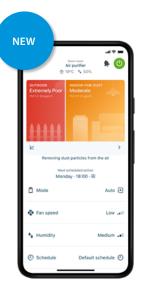
Receive a thorough overview of how the system is performing and how much energy it consumes.

✓ Check the status of the heating system

Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode.

The app functionality is only available if both the Daikin system and the app have a reliable internet



# Now with Indoor & Outdoor Air Quality Information on fingertips

The new Daikin Air Purifiers MCK70Z & MC80Z are now integrated with Daikin Onecta App. In our mission to inform consumers everything related to their indoor and outdoor air quality, the app now also lets consumers monitor the outdoor air quality. This means that control of good indoor air quality is available easily on the fingertips through the smartphones.

For more information on our new Onecta App Integrated Daikin Air Purifiers, please refer to the Residential Air Quality Chapter



#### Individual control systems



# Possible Onecta Connections

#### For heating

	OUTDOOR		I	NDOOR	connection to Onecta			
					WLAN	LAN		
ASHP	Daikin Altherma 3 H HT	EPRA14/16/18D*	F	ETVH/X/Z16-E7	standard	optional: BRP069A62		
			ECH,O	ETSH(B)/X(B)16-E7				
			W	ETBH/X16-E7				
	Daikin Altherma 3 H MT	EPRA08/10/12E*	F	ETVH/X/Z12-E	standard	optional: BRP069A62		
			ECH,O	ETSH(B)/X(B)12-P-E				
			W	ETBH/X12-E				
	Daikin Altherma 3 R MT	ERRA-EV*	F	ELVH/X/Z-E	standard	optional: BRP069A62		
			ECH,O	ELSH/X(B)-E				
			W	ELBH/X-E				
	Daikin Altherma 3 R	ERGA-E*	F	EHVH/X/Z-E	standard	optional: BRP069A62		
			ECH,O	EHSH(B)/X(B)-P-E				
			W	EHBH/X-E				
	Daikin Altherma 3 R	ERLA11/14/16D*	F	EBVH/X/Z-D	optional: BRP069A78 or BRP069A71	optional: BRP069A62		
			ECH,O	EBSH(B)/X(B)-D				
			W	EBBH/EBBX-D				
	Daikin Altherma 3 R	ERLA03DV	F	EHFH/Z03-S18D3V	*	optional: BRP069A62 or BRP069A61		
	Daikin Altherma 3 H	EPGA-DV7	F	EAVH/X/Z-D7	*	optional: BRP069A62 or BRP069A61		
			W	EABH/X-D7				
	Daikin Altherma 3 M	EBLA09/11/14/16D(7)			optional: BRP069A78	optional: BRP069A62		
		EDLA09/11/14/16D						
	Daikin Altherma 3 M	EBLA04/06/08E			standard	optional: BRP069A62		
		EDLA04/06/08E						
	Daikin Altherma R HT	ERR/SQ-AV1/Y1		EKHBRD-DV/Y17	*	×		
HYBRID	Daikin Altherma R Hybrid	EVLQ-CV3		EHYHBH-AV32	*	optional: BRP069A62 or BRP069A61		
			Boiler	EHYKOMB33AA2/3				
	Daikin Altherma H Hybrid	EJHA-AV3	Boiler	EHY2KOMB28/32A A	×	optional: BRP069A62 or BRP069A61		
GS/WS	Daikin Althern	na 3 GEO		EGSAH/X-(U)D9W	×	standard		
	Daikin Alther	ma 3 WS		EWSA-D	×	standard		
сомв.	Daikin Altherma	therma 3 C Gas W D2CND-A1/A4			optional: DRGATEWAYAA			
				D2TND-A4				

In case both WLAN and LAN options are possible, we advice to choose WLAN if possible as the WLAN adaptors offer more possibilities (e.g. remote MMI update, more remote installer settings)

#### For RA

	Model #	WLAN	User settings	Field settings
Ururu Sarara	FTXZ-N	optional - BRP069B42	basic	no
Daikin Emura	FTXJ-M*	standard - included in the box	basic	no
	FTXJ-A*	integrated	all	yes
	FTXTJ-A*	integrated	all	yes
Stylish	FTXA-A/B*	integrated	basic	no
-	FTXTA-C*	integrated	all	yes
	FTXA-C*	integrated	all	yes
Perfera	FTXM-R	integrated	basic	no
	FTXTM-S	integrated	all	yes
	FTXM-A	integrated	all	yes
	FTXTM-S	integrated	all	yes
Comfora	FTXP-M*	optional - BRP069B45	basic	no
	FTXP-N*	integrated	all	yes
Sensira	FTXF-D	optional - BRP069B45	basic	no
	FTXF-E	optional - BRP069C47	all	yes

#### For Daikin Air Purifiers

Model #	WLAN
MCK80Z/ZB	integrated
MCK70W/BFW & MCKZOH/BFH	integrated

#### For VRV

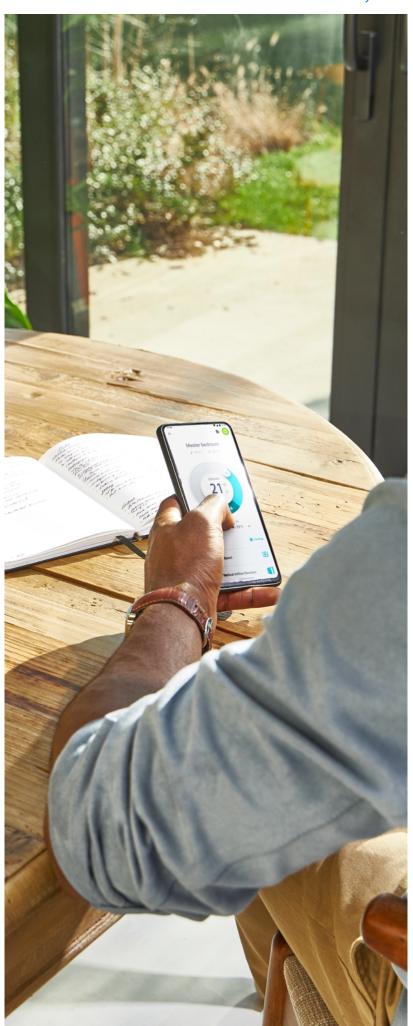
	Model #	WLAN
VRV 5 indoor units	FXFA-A	Optional:
	FXZA-A	BRP069C51 (1)
	FXDA-A	
	FXSA-A	
	FXMA-A	
	FXHA-A	
	FXUA-A	
	FXAA-A	

<sup>(1)</sup> Must be combined with BRC1H52W/S/K

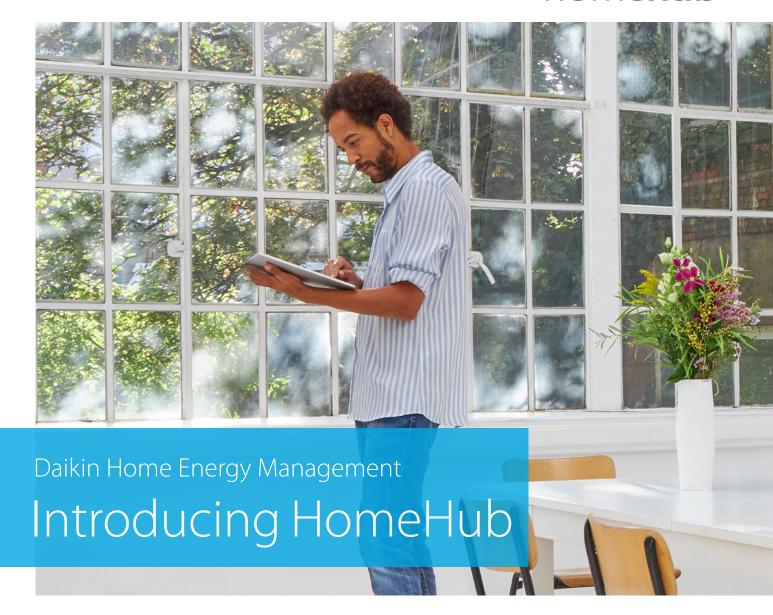
#### For Sky Air

	Model #	WLAN							
Sky Air	FDXM-F9	Optional							
	FFA-A9	BRP069C81 (1)							
	FBA-A(9)								
	FDA125A								
	ADEA-A								
	FAA-B								
	FHA-A(9)								
	FUA-A								
	FVA-A								
	FNA-A9								
	FCAG-B	Optional							
	FCAHG-H	BRP069C82 (2)							
	FDA200-250A	Optional BRP069C82 (3)							

<sup>(1)</sup> Only possible in combination with wired or wireless remote control |
(2) EWHARI is required if autocleaning panel & Onecta is connected; Cannot be combined with KRP4A53; Only possible in combination with wired or wireless remote control | (3) Cannot be combined with KRP4A51 and KRP2A51



# homehub



# **Daikin HomeHub**

(reference EKRHH)

is a centralised controller for residential applications.

NEW

Daikin HomeHub can, depending on the user's needs, support two different modes:

#### ✓ As a controller:

HomeHub is the main controller intended to optimize the energy consumption of a Daikin Altherma or Multi+ (DHW) heat pump in combination with a PV system.

#### ✓ As an interface:

 HomeHub is used to control our Daikin Altherma heat pump from a home automation or energy management system through a local interface

#### Basic specifications:

- Daikin P1-P2 connectivity
- > LAN connectivity for features upgrades and Modbus IP
- > Modbus RTU connectivity
- Configuration, control and feedback through the MMI of the Daikin Altherma or Multi+ (DHW) tank

## With this first release, three use cases are launched:

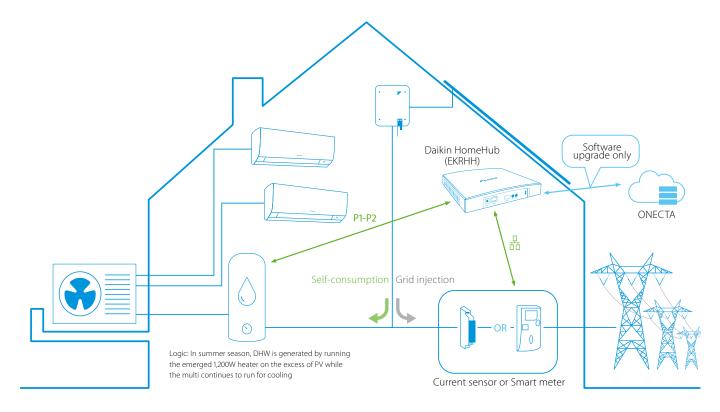
- > Use Case 1: PV self-consumption for Daikin Altherma
- > Use Case 2: PV self-consumption for Multi+ (DHW)
- > Use Case 3: Modbus RTU/IP for Daikin Altherma

## Use Case 1: PV self-consumption for Daikin Altherma

PV self-consumption for Daikin Altherma is optimizing the energy consumption of the heat pump by using the energy generated by the PV panels. This is achieved by using the solar energy, which would normally be injected into the grid, to heat up the domestic hot water or to buffer energy in space pre-heating or pre-cooling.

## Use Case 2: PV self-consumption for Multi+ (DHW)

This use case shows similarity with use case 1 for Daikin Altherma. However, the excess of energy is in this case directly supplied to the emerged booster heater of the DHW tank. This will accelerate the generation of DHW at a low cost.



## Use Case 3: Modbus RTU/IP for Daikin Altherma

This use case integrates Daikin Altherma units in a home automation or energy management system through Modbus IP/RTU. The interface provides comfort and energy features.

For a full list of the interface features, please consult the installation manual of the HomeHub.



We are just starting in 2023, more to follow soon!



From the professional portal, installers can activate the remote monitoring allowing them to supervise your installation on multiple parameters, from their location. They will get an automatic notification in case there is something wrong with the installation. By changing certain settings, they can improve your comfort immediately. Save time and get a better support, thanks to these new features.

#### How to access?

Through Stand By Me Pro portal.

#### What to expect

Remote monitoring and servicing of split products, after consent from the end user.

- > Control your customer's unit and change settings.
- > Read out temperature, energy consumption and error code.

# Daikin Win-Win Win-Win Customer

## Solving a simple issue without broken parts



## Solving a complex issue which needs ordering and replacing broken parts



## Visualization

Overview per product, showing the selected parameters



# **Adding Markers**

Up to 5 markers can be placed and customized



#### **Parameter Panel**

Easily select the required parameters and change colours



# Exporting (Image/CSV)

Export the data of a selected period in CSV or as an image



#### Madoka wired remote controller

# Madoka

The beauty of simplicity.







User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- > Sleek and elegant design
- > Intuitive touch-button control
- > Three display options: standard, detailed and **new symbolic view**
- > Three colours to match any interior
- > Compact, measures only 85 x 85 mm
- > Advanced settings **copy function** and commissioning via smartphone
- > CO<sub>2</sub> concentration visualisation







# Madoka Assistant



# Simplifies the advanced settings such as schedule or set point limitation

- ✓ Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- ✓ Easy and quick commissioning
- ✓ Featuring Bluetooth® low energy technology

#### Easy setting of schedules



#### Advanced user settings



Bluetooth strength indication



Field settings



#### BRC1H52W / BRC1H52S / BRC1H52K

## Madoka wired remote controller for Sky Air and VRV









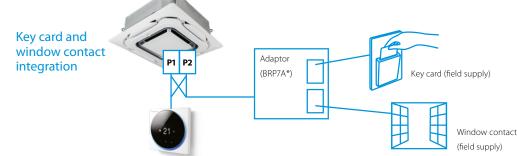
#### A complete redesigned controller focussed to enhance user experience

- > Sleek and elegant design
- > Intuitive touch-button control
- > Three display options: standard, detailed and symbolic view
- > Direct access to basic functions (on/off, set point, mode, target values, fan speed, louvres, filter icon & reset, error & code)
- > Three colours to match any interior
- > Compact, measures only 85 x 85 mm
- > Real time clock with auto update to daylight saving time

#### Hotel application features

- > Energy saving through key card, window contact integration and set point limitation (BRP7A\*)
- > Flexible setback function ensures room temperature remains within comfortable limits to ensure guest comfort







#### Madoka Assistant: Advanced settings can be easily done via your smartphone

#### A range of energy-saving functions that can be selected individually

- > Temperature range restriction: Save on energy by setting the low temperature limit in cooling mode and the high temperature limit in heating mode (1)
- > Setback function
- > Adjustable presence detector and floor sensor (available on the Round Flow and Fully Flat
- > Automatic temperature reset
- > Auto off timer

#### Kilowatt-hour consumption tracking (2)

The kWh indicator displays indicative power consumption for the last day/month/year.

#### Other functions

- > Three user access levels: Basic user, Advanced and Installer to match user requirements and prevent
- > Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- > Mark frequently used menu's as favourites for direct
- > Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/ mid-season)
- > Menu settings can be individually locked or restricted
- > The outdoor unit can be set to quiet mode and power consumption limit control by schedule (3)
- > Real-time clock that updates automatically for daylight saving



#### Cost-effective solution for infrastructure cooling applications

After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime. Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.

(1) Also available in auto cooling/heating changeover mode (2) For Sky Air FBA, FCAG and FCAHG pair combinations only (3) Only available on RZAG\*, RZASG\*, RZQG\*, RZQSG\*

#### BRC1HHDW / BRC1HHDS / BRC1HHDK

# Madoka wired remote controller for Daikin Altherma 3 heat pumps



#### A new generation of user interface, redesigned and intuitive







# Intuitive control with a premium design:

The smooth curves of the Madoka controller offer a sleek, refined shape which is distinguished by its striking blue circular display. Presenting a clear visual reference with large easy to read numbers, the controller features are accessed through three touch buttons, which combine intuitive control with easy adjustability for an enhanced user experience.

# Three colours to match any interior design:

No matter your interior design, Madoka will match it. Silver gives an additional touch to stand out in any interior or application, while Black is an ideal match for darker, stylish interiors. White offers a sleek, modern look.

# Easily set operation parameters:

Setting and finetuning your controller is simple and helps you attain higher energy savings and more comfort. The system enables you to select the space operation mode (heating, cooling or automatic), set the desired room temperature and control the domestic hot water temperature.

#### Easy Update via Bluetooth:

It is strongly recommended that the user interface has the latest software version. To update the software or check if updates are available, you need a mobile device and the Madoka Assistant app. This app is available from Google Play and the Apple Store.

# www.daikin.eu/madoka

#### **EKRUCB\***

# Wired remote control for Heating

#### Control

- Manage space heating, cooling, domestic hot water and among others, booster mode
- User-friendly remote control with contemporary design
- > Easy to use with direct accessibility to all main functions

#### Comfort

- An additional user interface can include a room thermostat in the space to be heated
- > Easy commissioning: intuitive interface for advanced menu settings
- \* only in combination with EKRTETS

#### General features

Several languages possible depending on the model, including: English, German, Dutch, Spanish, Italian, French, Greek, Russian, etc.

#### **Applicable Daikin units**

- > Daikin Altherma R (F/W)
- Daikin Altherma M
- › Daikin Altherma R Hybrid
- > Daikin Altherma GEO
- > Domestic hot water heat pump



# **Applicable Daikin units**









			BRC1HHDW/S/K	EKRUCB*	EKRUHML*	DOTROOMTHEAA
Daikin Altherma 3 H HT (F/W)	14-16-18 kW	EPRA14-18D7 + ETV/B*-E7	•			
Daikin Altherma 3 H HT ECH2O	14-16-18 kW	EPRA14-18E + ETS*-E7	•			
Daikin Altherma 3 H MT (F/W)	8-10-12 kW	EPRA08-12E + ETV/B*-E	•			
Daikin Altherma 3 H MT (ECH2O)	8-10-12 kW	EPRA08-12E + ETS*-E	•			
Daikin Altherma 3 R (F/W)	4-6-8kW	ERGA-E* + EHV/B*-E	•			
Daikin Altherma 3 R ECH2O	4-6-8kW	ERGA-E* + EHS*-E	•			
Daikin Altherma 3 R (F/W)	11-14-16 kW	ERLA-D* + EBV/B*-D	•			
Daikin Altherma 3 R ECH2O	11-14-16 kW	ERLA-D* + EBS*-D	•			
Daikin Altherma 3 M	4-6-8-9-11- 14-16 kW	E(B/D)LA-E/D*	•			
Daikin Altherma R Hybrid	5-8 kW	EVLQ-CV3		•		
Daikin Altherma H Hybrid	4 kW	EJHA-AV3			•	
Daikin Altherma 3 GEO	6-10 kW	EGSA(H/X)-D9W	•			
Daikin Altherma 3 C Gas W	12-35 kW	D2CND-A1A/A4A				•

# Individual room control system for temperature adjustment of heating and cooling systems





#### General features

- > Improve energy efficiency of the home
- > Universally deployable and scalable
- > Easy and intuitive installation, operation and maintenance
- > Cost effective and convenient for the end-user

#### Comfort

With the help of an electronic room-by-room control system, users can regulate the temperature individually in each room.

In addition to the warmth output of the actual heating surfaces, the room temperature control system also takes all other heat sources into account, such as sunshine, warmth from lights or people, and other sources of warmth, such as a fireplace or a tiled stove. On the basis of a continuous comparison of the target and current temperatures, the room temperature control system opens and closes the individual heating circuits by way of electrical valve actuators.

# - 22.5°

# Wired digital thermostat EKWCTRDI1V3

The setting of the desired room temperature and the operation, can be performed comfortably via a rotary control with rotary-push action and soft ratchet. The well-structured and language-neutral symbols of the display always clearly indicate all settings.



# Wired analog thermostat EKWCTRAN1V3

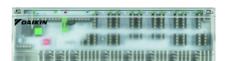
An optimum price-performance ratio is offered for rooms where only a very good temperature control is desired, without the comfort function of the display variant.



# Valve actuator EKWCVATR1V3

The Daikin Valve Actuator is a thermoelectric valve drive for opening and closing valves on heating circuit distributors of concealed heating and cooling systems.

#### System components



# Base station EKWUFHTA1V3

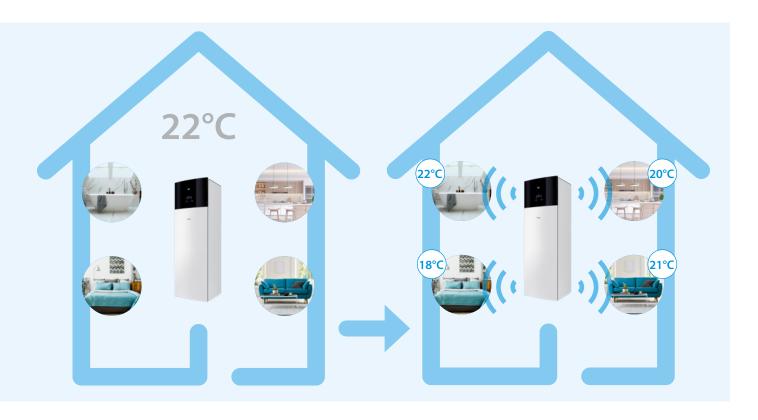
The Daikin Wired Base Station is the central connection unit of a room-by-room temperature control for the surface temperature adjustment of heating and cooling systems.

#### **Applicable Daikin units**

> Combinable to all Daikin Altherma units

# Individual wireless room controllers

Our individual wireless room controllers allow for a total flexibility in heating your home.



# Personalize your heating schedule

A traditional heating system allows you to control the temperature in only one room. With Daikin Home Controls you can choose the perfect temperature for each area separately.

# Wireless control for a better flexibility

Get rid of cables and have control from anywhere you are, thanks to the Onecta app.

Our wireless range of controllers makes your life easier. As soon as they are installed, you can program or control each room temperature from the intuitive app.



#### BRC1E53A

## User friendly remote control for Sky Air and VRV



Graphical display of indicative electricity consumption (Function available in combination with FBA-A, FCAG and FCAHG)

# A series of energy saving functions that can be individually selected

- > Demand control (1)
- > Temperature range limit
- > Setback function
- Presence & floor sensor connection (available on round flow and fully flat cassette)
- > kWh indication (2)
- > Set temperature auto reset
- > Off timer

Cost-effective solution for infrastructure cooling applications

> Only in combination with RZAG\* / RZQG\*

#### Other functions

- > Up to 3 independent schedules
- > Possibility to individually restrict menu functions
- > Choice of display between symbol or text
- > Real time clock with auto update to daylight saving time
- Built-in backup power for clock (up to 48 hours).
   Settings are always kept in case of power loss.
- Supports multiple languages:
   BRC1E53A: English, German, French, Dutch, Spanish,
   Italian, Portuguese

(1) Only available on RZAG\*, RZASG\*, RZQG\*, RZQSG\* I (2) For Sky Air FBA, FCAG and FCAHG pair combinations only

#### BRC1D52

# Wired remote control for Sky Air and VRV



BRC1D52

- > Schedule timer: Five day actions can be set
- > Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
- > User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- > Immediate display of fault location and condition
- > Reduction of maintenance time and costs

#### BRC4\*/BRC7\*

#### Infrared remote control



BRC4\*/BRC7\*

Operation buttons: ON/OFF, timer mode start/stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/test indication (2)

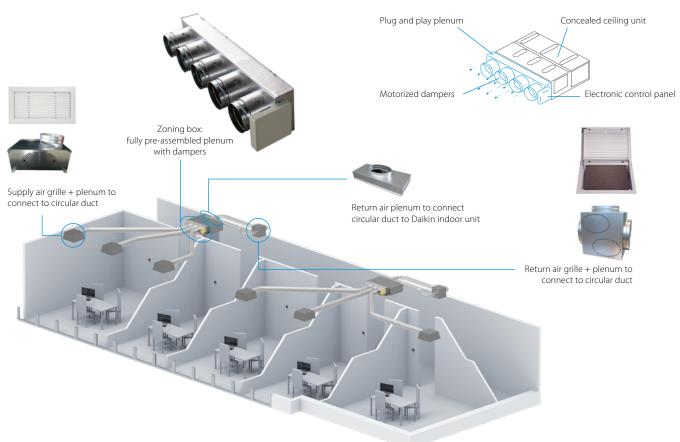
Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection/test operation (2)

- 1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXM, FBA
- 2. For FX\*\* units only
- 3. For all features of the remote control, refer to the operation manual

## Multi-zone controller

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones connected to one indoor unit via a centralised thermostat located in the main room and individual thermostats for each of the zones.





Compatib	il	ity			Sky/Air									ADEA-A FXDQ-A3 FXSQ-A																																			
					F	DXI	M-F9				FB/	A-A(	9)			Α	DEA	-A			FX	DQ	-A3							F	KSQ	-A																	
Numbe motorised damp		Reference	Dimensions H x W x D (mm)	Ø (mm)	25	35	50	60	35 5	50	60	71	100	125	140	71	100	125	15	20	25	32	40	50	63	15	20	25	32	40	50	63	80	100	125	140													
	AZE(Z/R)6DAIST07X	AZE(Z/R)6DAIST07XS2																								•	•	•	•																				
	_	AZE(Z/R)6DAIST07S2	300 x 930 x 454 300 x 1,140 x 454 300 x 1,425 x 454						•	•																				•	•																		
	3	AZE(Z/R)6DAIST07XS3																								•	•	•	•																				
		AZE(Z/R)6DAIST07S3							•	•																				•	•																		
	,	AZE(Z/R)6DAIST07S4							•	•																				•	•																		
6		AZE(Z/R)6DAIST07M4									•	•				•																•	•																
Standard plenum	5	AZE(Z/R)6DAIST07M5		200							•	•				•																•	•																
	Ĺ	AZE(Z/R)6DAIST07L5		200									•	•	•		•	•															Ш	•	•														
	6	AZE(Z/R)6DAIST07M6	300 x 1,638 x 454				Ш	_		_	•	•				•																•	•		Ш														
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	7	AZE(Z/R)6DAIST07L7	515 x 1,425 x 454					_					•	•	•		•	•																•	•														
	Ľ	AZE(Z/R)6DAIST07XL7						_		_																							Ш		Ш	•													
	8	AZE(Z/R)6DAIST07L8						_	_	_	_		•	•	•		•	•															Ш	•	•														
	_	AZE(Z/R)6DAIST07XL8			L		Ш	4	4		_															L							Ш		Ш	•													
	2	AZEZ6DAIBS07XS2																									•	•	•				Ш		Ш														
	Ĺ	AZEZ6DAIBS07S2	250 x 930 x 454	250 x 930 x 454								l	l								_	•	•	_																			•	•				ш	
		AZEZ6DAIBS07XS3							_	_	_	_																•	•	•																			
	3	AZEZ6DAIBS07S3						_	•	•																				•	•				ш														
		AZEZ6DAIBS07M3						_	_	_	•	•				•																•	•		Ш														
		AZEZ6DAIBS07S4	250 x 1,140 x 454					_	•	•	_																			•	•				Ш														
Medium plenum	4	AZEZ6DAIBS07M4		250 x 1,140 x 454		_			_	_	_	•	•				•																•	•															
		AZEZ6DAIBS07L4		200				_	_	_	_		•	•	•		•	•																•	•														
		AZEZ6DAIBS07S5						_	•	•	_																			•	•				Ш														
and the same	5	AZEZ6DAIBS07M5	250 x 1,425 x 454					_	_	_	•	•				•																•	•																
	-	AZEZ6DAIBS07L5						_	4	_	_	_	•	•	•		•	•				_											Ш	•	•														
		AZEZ6DAIBS07XL5						_	_	_	_																								Ш	•													
		AZEZ6DAIBS07M6						_	_	_	•	•				•																•	•		Ш														
	6	AZEZ6DAIBS07L6	250 x 1,638 x 454		_			_	4	_	_	_	•	•	•		•	•															Ш	•	•														
		AZEZ6DAIBS07XL6						4	4	4	_	_										-											Ш	Ш	Ш	•													
Slim plenum	2	AZE(Z/R)6DAISL01S2	210 x 720 x 444		•	•		_	4	4	_								•	•	•	•											Ш		Ш														
	3	AZE(Z/R)6DAISL01S3		200	·	•	Ш	4	4	4	4	_							•	•	•	•											Ш	ш	Ш	_													
	4	AZE(Z/R)6DAISL01M4	210 x 930 x 444				Ш	4	4	4	_	_										_	•	•			_						Ш		Ш														
	5	AZE(Z/R)6DAISL01L5	210 x 1,140 x 444				•	•																	•																								

(1) Z models are reversible; R models are heating only

<sup>(2)</sup> Medium Ceiling Void reversible units can be blocked to heating only via AZX6MCS module

#### **Controls**

#### 3 controller versions are available to choose from: Colour, touch or simplified



AZCE6BLUEZEROCB (Wired)

#### Bluezero - main thermostat

> Intuitive graphical, colour touch screen for controlling multiple zones



AZCE6LITECB (Wired) AZCE6LITERB (Wireless)

#### Lite - zone thermostat

> Simplified thermostat with touch buttons for temperature control



AZCE6THINKRB (Wireless)

#### Think - zone thermostat

> Graphic touch button with low-energy e-ink screen for controlling single zones





AZX6WSC5GER

Webserver for remote control

- > Cloud based remote control of multizoning kit(s)
- > Configuration and control of zones (temperature, operation mode, ...)
- > Access via webportal, or Android/IOS application
- > Supports Ethernet and WIFI
- > AZX6WSPHUB:
  - > For installation on DIN rail
  - > 32 zoning boxes can be controlled
- > AZX6WSC5GER:
  - > For installation in the unit
  - > Controls one zoning box



AZX6WSPBAC



AZX6KNXGTWAY

#### **BACnet or KNX gateway**

- > Allows ON/OFF control of each zone
- > Control of temperature for each zone
- > Status indication of operation mode
- > One gateway needed per system

# **Options and modules**



AZX6CABLEBUS15 (15 m)





ON/OFF zone module

> On/Off of the zone through voltage free contact



Heating only module

> Locks medium reversible multizoning kit to heating only

# **Grilles and plenums**

#### Supply air grilles and plenums



RDHV040015BKX

#### Wall type supply grille

> With horizontal and vertical adjustable flaps



RLQV040015BKX

#### Ceiling type supply grille

- > With horizontal flaps angled at 15°
- > Vertical flaps can be adjusted manually



Plenum for supply grille

- > To connect circular ducts to discharge grille
- > Insulated, galvanised steel
- > Diameter 250mm

#### Return air grilles and plenums





#### Return air grille with integrated filter

> Filters particles from the air



Plenum for return grille

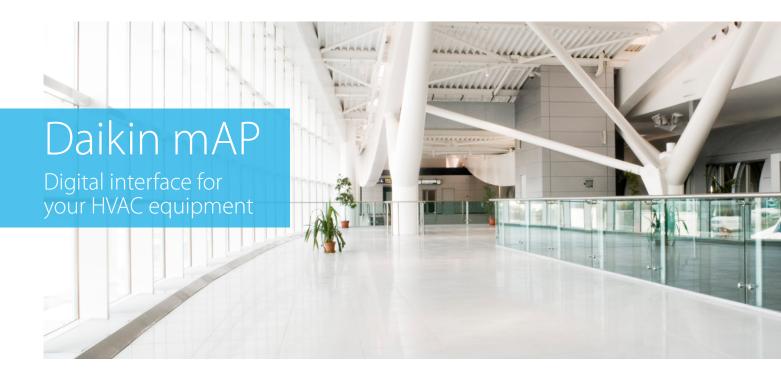
- > To connect 1 up to 4 circular ducts to the return air grille
- > Diameter 250mm



AZCEZDAPR07\*

#### Plenum for return air

- > To connect 1 up to 4 circular ducts to the Daikin concealed ceiling units
- > Diameter 250mm
- > Different sizes (XS, S, M, L, XL) to fit the indoor unit



The Daikin mAP is the brand-new Digital HMI solution for all Daikin Applied products, designed to let end-users and technician operate easily and effectively from their smartphone or tablet while performing field activities.

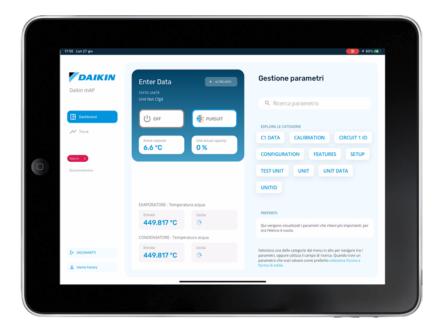


# Daikin mAP

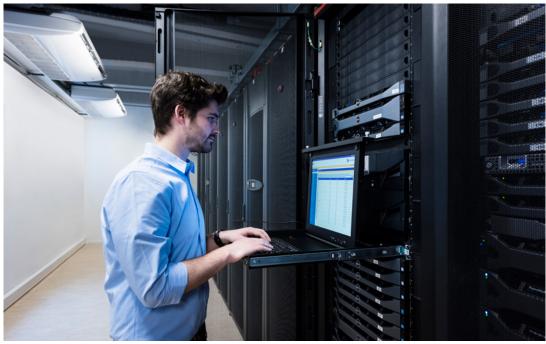
#### NEW

# Digital Interface

The Daikin mAP is the brand-new Digital HMI solution for all Daikin Applied products, designed to let end-users and technician operate easily and effectively from their smartphone or tablet while performing field activities.









#### Control

Change settings and control parameters with more flexibility.

- ☑ Up to 4 user levels with different privileges
- ✓ Improved unit access security



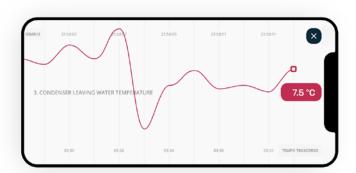
#### Select

Explore and search for a specific unit parameter.

- ✓ Search bar to easily find the desired parameter
- Select & change and pin in the dashboard your preferred parameters

#### Monitor

Start a live monitoring and trending of your preferred parameters



- Background monitoring for a non-stop operations
   Export and share monitoring data in .CSV file
   Up to 20 live trends and monitoring

#### Centralised remote controller

Centralised control of the Sky Air and VRV system can be achieved via 2 user friendly compact remote controllers. These controls may be used independently or in combination with:

1 group = several (up to 16) indoor units in combination

1 zone = several groups in combination.

A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).

#### DCS302C51

#### Centralised remote control



Providing individual control of 64 groups (zones) of indoor units.

- > a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- > a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- > zone control
- > group control
- > malfunction code display
- > maximum wiring length of 1,000m (total: 2,000m)
- > air flow direction and air flow rate of HRV can be controlled
- > expanded timer function

#### DCS301B51

#### **Unified ON/OFF control**



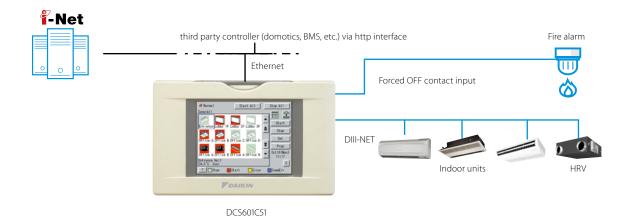
Providing simultaneous and individual control of 16 groups of indoor units.

- > a maximum of 16 groups (128 indoor units) can be controlled
- > 2 remote controls in separate locations can be used
- > operating status indication (normal operation, alarm)
- > centralised control indication
- > maximum wiring length of 1,000m (total: 2,000m)

#### DCS601C51



#### Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



#### Languages

- > English
- > French
- › German
- > Italian
- > Spanish
- > Dutch
- > Portuguese

#### **System layout**

- > Up to 64 indoor units can be controlled
- Touch panel (full colour LCD via icon display)

#### Control

- Individual control
   (set point, start/stop,
   fan speed)
   (max. 64 groups/indoor units)
- > Set back shedule
- > Enhanced scheduling function (8 schedules, 17 patterns)
- > Flexible grouping in zones
- > Yearly schedule
- > Fire emergency stop control
- > Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- > Heating optimization
- > Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- > Simple navigation

#### Monitoring

- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- > Indoor units operation mode
- > Indication filter replacement

#### **Cost performance**

- > Free cooling function
- > Labour saving
- > Easy installation
- Compact design: limited installation space
- > Overall energy saving

#### Open interface

 Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option DCS007A51)

#### **Connectable to**

- > VRV
- > HRV
- > Sky Air
- > Split (via interface adapter)

#### DCC601A51

# Advanced Centralised controller

- Intuitive and user-friendly interface
- Flexible concept for stand alone applications
- Total solution thanks to integration of 3rd party equipment

#### **Local solution**

- > Offline centralised control
- > Stylish optional screen fits any interior

#### System layout





#### **Total solution**

- > Total solution thanks to a large integration of Daikin products and 3rd party equipment
- > Connect a wide range of units (Split, Sky Air, VRV, Ventilation, Biddle air curtains)
- > Simply control your entire building centrally
- > Increased customer shopping experience by better management of your shop comfort level

#### User friendly touch control

- Stylish Daikin supplied optional screen for local control fits any interior
- > Intuitive and user-friendly interface
- > Full solution with simple control
- > Easy commissioning

#### Flexible

- > Pulse/digital inputs for 3rd party equipment such as kWh meters, emergency input, window contact, ...
- > Control up to 32 indoor units per controller and 320 units per site

(1) only available in combination with certain indoor units



#### **Functions overview**

		Local solution
Languages		Depends on local device
System layout	N° of connectable indoor units	32
	Multiple sites control	
Monitoring & control	Basic control functions (ON/OFF, mode, filter sign, setpoint, fan speed, ventilation mode, room temperature,)	•
	Remote control prohibition	•
	All devices ON/OFF	•
	Zone control	
	Group control	•
	Weekly schedule	•
	Yearly schedule	
	Interlock control	•
	Set point limitation	
	Visualisation of energy use per operation mode	
Connectable to	DX split, Sky Air, VRV	•
	Modular L Smart, VAM, VKM ventilation	•
	Air curtains	•

For available Daikin Cloud Service options refer to the option list



## Mini BMS

## with full integration across all product pillars

DCM601B51

#### Intelligent Manager

Price competitive mini BMSCross-pillar integration of Daikin products

Integration of third party equipment

## Download the WAGO selection tool from my.daikin.eu

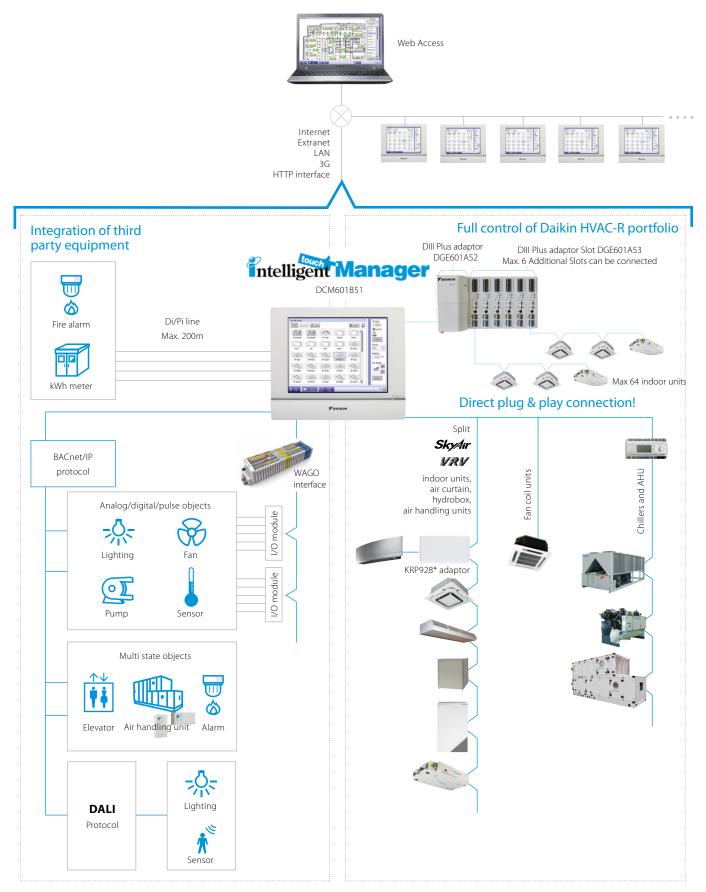
- > Easy selection of WAGO materials
- > Material list creation
- > Time savino
- Includes wiring schemes
- Contains commissioning/preset data for iTM







#### System overview



#### Intelligent Manager

#### User friendliness

- > Intuitive user interface
- Visual lay out view and direct access to indoor unit main functions
- > All functions direct accessible via touch screen or via web interface
- Simplified electrical wiring, only one power supply & one connection wiring required

#### Smart energy management

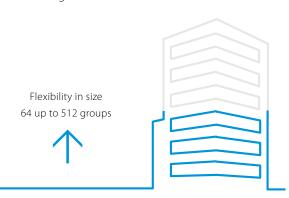
- > Monitoring if energy use is according to plan
- > Helps to detect origins of energy waste
- > Powerful schedules guarantee correct operation throughout the year
- Save energy by interlocking A/C operation with other equipment such as heating
- > Peak Power Cut off Control: Activating this feature in schedule function allows users to operate the outdoor unit in 4 settings i.e. 100%,70%, 40% and 0%

#### **Flexibility**

- > Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
- > BACnet protocol for 3rd party products integration
- > I/O for integration of equipment such as lights, pumps... on WAGO modules
- > Modular concept for small to large applications
- Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

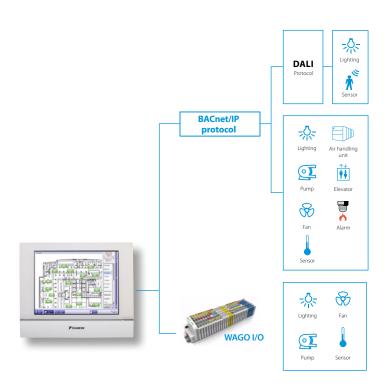
#### Easy servicing and commissioning

- Remote refrigerant containment check reducing on site visit
- > Simplified troubleshooting
- Save time on commissioning thanks to the pre-commissioning tool
- > Auto registration of indoor units









#### **Functions overview**

#### Languages

- > English
- > French
- › German
- > Italian
- > Spanish
- > Dutch
- > Portuguese

#### Management

- > Web access via html 5
- Power Proportional Distribution (option)
- Operational history (malfunctions, ...)
- > Smart energy management
  - monitor if energy use is according to plan
- detect origins of energy waste
- > Setback function
- > Sliding temperature

#### **WAGO Interface**

- Modular integration of
   3rd party equipment
- Large variety of input and outputs available. For more details refer to the options list

#### Open http interface

 Communication to any third party controller (domotics, BMS, etc.) is possible via http open interface (http option DCM007A51)

#### **System layout**

 Up to 512 unit groups can be controlled (ITM + 7 iTM Plus adapters)

#### Control

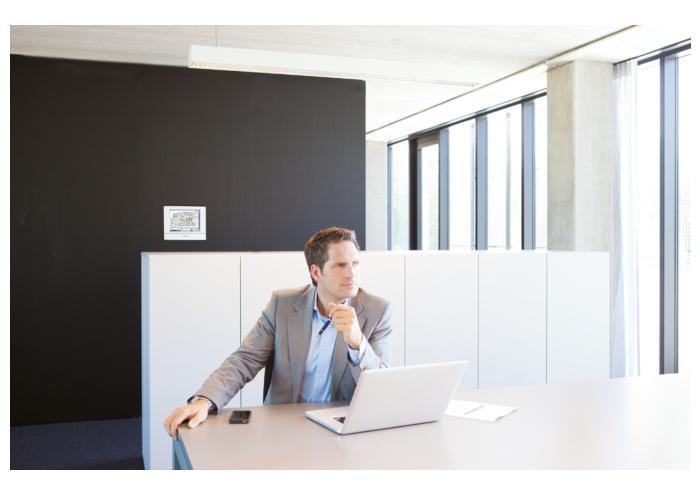
- Individual control (512 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- > Interlock control
- > Setpoint limitation
- > Temperature limit
- Schedule function to activate quiet operation mode on outdoor unit

#### **DALI** integration

- > Control and monitor the lights
- Easier facility management: receive error signal when light or light controller has a malfunction
- Flexible approach and less wiring needed, compared to classic light scheme
- Easier to make groups and control scenes
- Connection between intelligent Touch Manager and DALI through WAGO BACnet / IP interface

#### Connectable to

- > DX Split, Sky Air, VRV
- > HRV
- Chillers (via MT3-EKCMBACIP controller)
- Daikin AHU (via MT3-EKCMBACIP controller)
- > Fan coils
- > LT and HT hydroboxes
- > Biddle Air curtains
- > WAGO I/O
- > BACnet/IP protocol
- Daikin PMS interface (option DCM010A51)





#### Introduction to



## Daikin Cloud Plus

Daikin Cloud Plus is a cloud-based remote control and monitoring solution for Daikin commercial HVAC installations. Using enhanced control, monitoring and predictive logic, Daikin Cloud Plus provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

## The ultimate control over your indoor climate and air quality

- > Save energy & reduce costs
- > Enhance comfort & satisfaction
- > Smart control from anywhere
- > Ensure healthy indoor environment
- Maximize uptime (remote prediction, monitor & diagnose)
- > Integrates easily with building systems

## Supporting your business and helping you succeed

- > Maximize comfort and satisfaction of your staff, customers, tenants, ...
- > Save energy & reduce costs
- > Facilitate your sustainability goals
- > Cost effective control and energy monitoring of HVAC and other facility systems such as lighting
- $\,{}^{\backprime}$  Limits the necessity for on-site interventions
- > Minimizes downtime and engineer call outs

#### Benefits

#### Easy control of multiple sites

- ▼ Remote control and manage sites remotely
- Floor plan control per site
- Multi-site access
- **▼** Permission based access

#### Save energy & meet sustainability goals

- ✓ Monitor energy consumption trends
- ✓ Smart control of systems to save energy
- ✓ Insights to improve HVAC system performance
- **▼** Reduced costs
- ✓ Contribute to carbon neutrality

#### Connectivity and integration possibilities

- ✓ Simple to advanced edge controllers
- **✓** Various interfaces
- ✓ Advanced security

#### Manage, monitor and control indoor climate from anywhere

- ✓ Limits the necessity for on-site control
- Minimizes downtime and engineer call outs
- Optimized maintenance
- ✓ Monitoring of indoor air quality

#### From one to ∞ sites



### Main applications

#### Light commercial and commercial systems



retailers





Hotels



Offices



Schools



Healthcare

#### Ranges

VRV and Sky Air, air curtains. Integration through I/O. BACnet available in 2024.

- > Direct integration with lights and other facility systems using Daikin Cloud Plus as master of the building
- > Integration with BMS, Daikin Cloud Plus as part of the system





## Cloud application interface

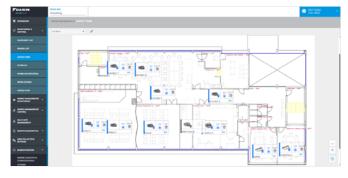


Dashboard

Equipment List

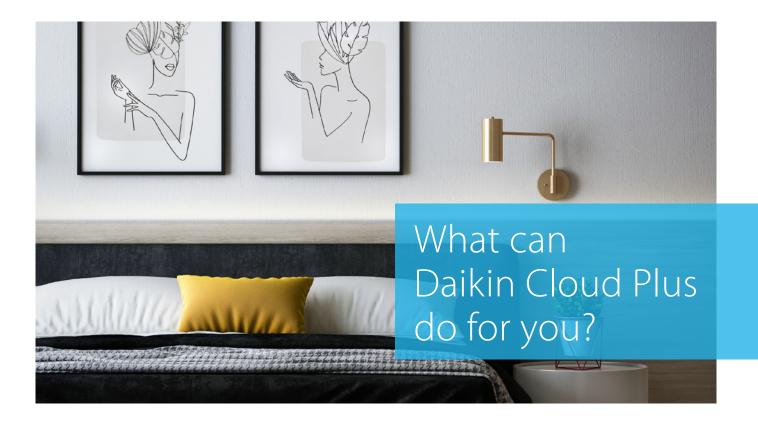


**Energy Consumption** 



Layout View

<sup>\*</sup> Features depend on unit compatibility and region.
Images are indicative and might change if the product evolves.



## Were you aware that HVAC systems account for as much as 40% of the total energy consumption in buildings?

- > Daikin Cloud Plus logs historical data and allows you to monitor, compare HVAC consumption
- Daikin Cloud Plus allows you to integrate with energy meters so you can monitor not only HVAC but also other energy consumers (facility, gas, water, ...)
- Daikin Cloud Plus allows you to configure and control the system smarter to save energy with restrictions, "if this than that" rules, schedules, etc.

## Are you interested in tracking the progress of sustainability goals or the sustainability policies you put into action?

- Daikin Cloud Plus allows you to monitor, analyse and compare HVAC energy consumption
- Daikin Cloud Plus allows you to remote control and manage new cooling or heating related policies (e.g. heating setpoint of 1° lower)

## How do you ensure maximum comfort and minimal interruptions of cooling and heating?

- Daikin Cloud Plus can predict failures to anticipate and prevent unplanned downtime of the heating or cooling
- Daikin Cloud Plus real-time system error notifications to ensure a direct response in case something goes wrong
- Daikin Cloud Plus logs all events in the system and visualized the temperature evolutions
- Daikin Cloud Plus remote system access to indoor and outdoor unit operational data reduces engineering visits on site

## How to manage and remote control one or multi-site building estate and apply uniformization in climate control?

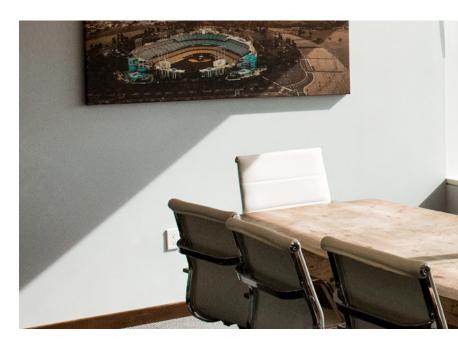
- Daikin Cloud Plus allows you to monitor, manage and control multiple sites from anywhere
- > Daikin Cloud Plus allows to compare multiple sites

#### How give peace of mind about indoor air quality?

- Daikin Cloud Plus integrates with IAQ sensors and can take automated actions or provide warnings where needed
- Daikin Cloud Plus allows to monitor and analyse the indoor air quality in order to take necessary actions

#### How to control my other systems at the facility?

- Daikin Cloud Plus provides possibilities to integrate with other facility systems as a stand-alone system, such as integration with lighting system
- Daikin Cloud Plus provides possibilities to integrate with other facility managment systems like BMS or BEMS



## Main features



#### Remote Control, Demand Control and Scheduling

Control and monitor the climate of your buildings at any time, from anywhere. From a web browser, it is possible to adjust your units' parameters, including temperature setpoints, fan speeds, heating or cooling operation modes and much more. All these parameters can be scheduled for maximum convenience during weekdays, weekends, holidays, office hours, opening hours, etc. Schedules are stored on the controller so the units are functioned as scheduled despite the internet connection. Additionally, units can be positioned in a visual floor plan to make it easier to locate an unit and change the setpoints remotely. Demand control reduces the peak consumption with minimal impact on comfort by predicting future needs and adjusting the operational capacity of the units accordingly.



#### **Energy Monitoring**

Get detailed visualization and export energy data of your buildings. Powerful graphs, comparisons and visualisations are available to help you assess the performance and potential improvements to reduce excessive energy and lower your energy costs. Next to detailed energy data of HVAC systems, it is possible to add external meters to measure consumption of lighting and water systems.



#### Interlocking

Smart rules can be integrated to optimize the operation of your units by setting specific triggers and scheduling necessary actions when these conditions happen. Through "if this, then that" principle, both the comfort of users and the efficiency of units can be optimized. For example, a rule can be: "If a window is open, then after 5 minutes, turn off the air-conditioner". Furthermore, the system enables setting restrictions remotely. For example, a user can only change the temperature between certain limits, which gives users control over their comfort while restricting extreme settings.



#### Multi-site Management

Get a map view of all your sites with status alerts, benchmark and compare sites to one another. From the map view, you can get direct access to each site to monitor and control the site remotely. This helps to reduce site visits and get insights that lead to opportunities for reducing operational costs while maintaining great comfort levels.



#### **Building Integration**

Not only HVAC but other facilities in the buildings can be controlled from the central platform. For example, the lighting system can be included in schedules and integrated with interlocking to have one single point of control and optimize energy efficiency for your buildings.



#### **Alarm History & Email Notification**

Get detailed overview of alarms relating to your sites and real-time status of the alarms. Receive alarms notification email with access to alarm details on Daikin Cloud Plus platform.



#### **Power Consumption Distribution**

Proportional distribution of power consumption allows you to calculate the consumption for specific areas in your buildings. For example, you can calculate how much power is used by a tenant on a certain floor. For this function, energy meters are required.



#### **Remote Field Settings**

Field settings of outdoor units can be adjusted remotely. This allows technicians and building operators to adjust, configure and monitor outdoor units from a distance, reducing the need to be at the location, save time and costs associated with travel, labour and maintenance, increase efficiency and overall performance.





#### Site History

Trace schedule trigger units or manual actions that were done on the units and sites. Past events, changes, and adjustments, enabling you to identify trends, gauge performance improvements, and strategize for the future. By drawing from historical data, you'll make informed decisions, adapt strategies, and drive continuous enhancements, revolutionizing your HVAC management approach.



#### **Prediction & Email Notification**

Early fault predictive algorithms help to prevent major failures. Based on the alarm and operational data, unit-specific prediction logic allows you to preventively, see whether a unit could run into issues. Prediction logic alarms will be generated in this case, allowing early warnings and ensuring smooth operation.



#### **Operational Data Access**

Effortlessly monitor, analyse, and fine-tune HVAC parameters remotely, enabling you to make informed decisions on the go. Real-time access to operational data, performance metrics, and energy usage empowers you to adjust settings, troubleshoot anomalies, and maintain peak efficiency, all while minimizing the need for physical intervention. Operational data can be downloaded for further analysis and periodical reporting.



#### Indoor & Outdoor Unit Analysis

Dive into comprehensive insights into each unit's performance, energy consumption, and environmental impact. Seamlessly compare data across units, pinpointing inefficiencies and optimizing your system's overall effectiveness. With a holistic view of indoor and outdoor units, you'll achieve unprecedented levels of operational harmony and energy savings.

#### Use cases



#### For retailers

- Remote control and monitoring of all units in different shops from a centralized platform
- Testing and validating parameters and standardizing settings for shops
- > Energy visualizations and export
- > Remote control over lightings



#### For hotels

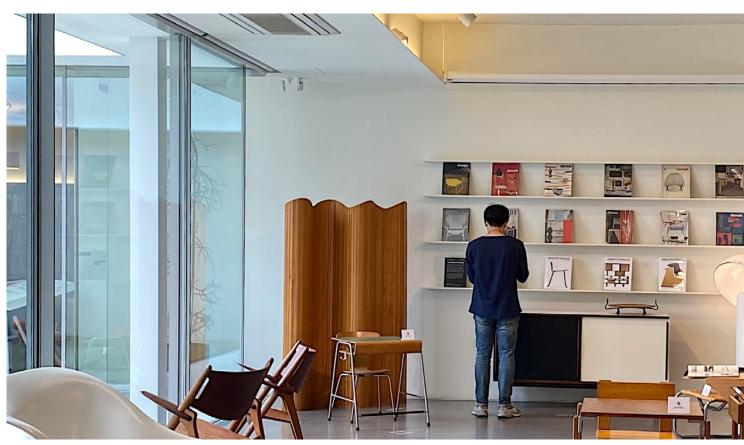
- Setting temperature ranges for rooms to avoid extreme settings by guests
- > Energy monitoring
- Scalability made easier thanks to standardized system settings

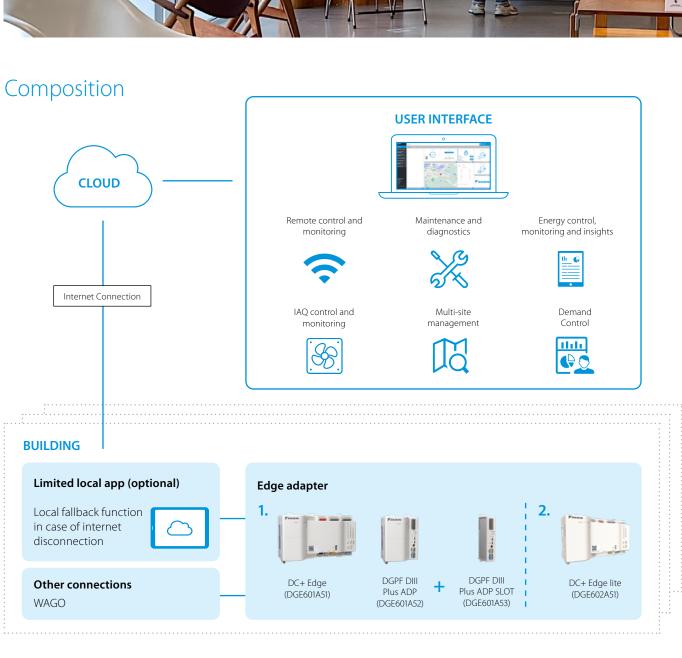


#### For offices

- Setting temperature ranges for office areas to avoid extreme settings by staff
- data per tenant of different office areas
- Estimation of energy consumption and setting the right pricing for each tenant
- Scheduling and restrict controls to avoid energy waste and save energy costs

<sup>\*</sup> Features depend on unit compatibility and region. Images are indicative and might change if the product evolves.







## Controllers & accessories

Controllers and their connections

#### Controller Features

				DGE601A51 (Edge)	DGE602A51 (Edge lite)
		DIII	port	2	1
			(Indoor unit connection / port)	64	64
		Ethernet	Internet	1	1
		Luiemet	2nd LAN port (BACnet)	1(N.A. yet)	0
	I/F	RS485	WAGO	1	0
Controller		ADP Contact	For DIII NET Plus ADP	1	0
specification			(Maximum expansion)	6	
			Di/Pi	8	4
		Contact	Do	3	2
	Number of connection	mber of DIII management points	Standard	128	64
			Maximum with ADP	512	-
		Total management points	Including AC and other facilities	1,000	76

#### Daikin Applied Europe

## Control Solutions

#### Intelligent Manager

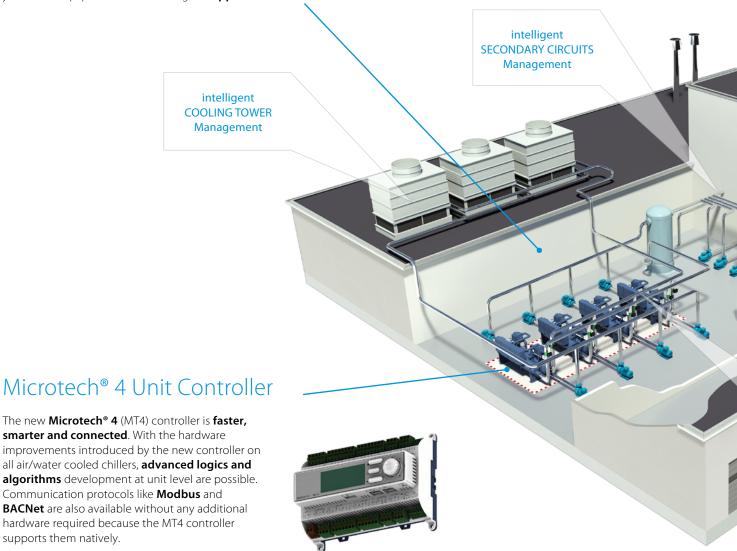
The intelligent Chiller Manager is a factory-engineered control solution to manage a chiller plant room. It is responsible for the **optimal sequencing and staging** of Chillers, Heat Pumps and Multipurpose units even in a **mixed plant configuration** and in both Heating and Cooling modes.

The extended control solution integrated the management of Cooling Towers and manifolded Pumps for air and water cooled chiller plant.

By reaching higher plant performance and efficiency levels, the intelligent Chiller Manager is the best and qualified solution for your HVAC equipment in a wide range of **Applications**.

#### Key Benefits

- > High performance
- Lower energy & Maintenance Costs
- Increase reliability & lifetime
- > Remote control and monitoring through Daikin on Site
- > No additional installation required





#### Daikin on Site

Daikin on Site is the unique solution for remote monitoring and smart maintenance. It allows a complete remote operation of every unit with different users and levels of access.

Daikin on site is fully compatible with All Daikin Applied Europe products and it can integrate **third-party products** like **IoT devices** (i.e. IAQ sensors).

Daikin has developed two offers called Daikin on Site: Partner and Daikin on Site: Premium.



**REPORTING** 

ALARM TROUBLESHOOTING

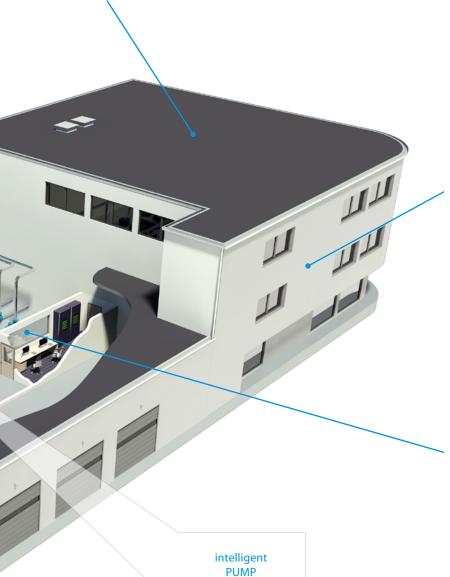
ENERGY ANALYSIS

REFRIGERANT LEAKAGE DETECTION



## Building management system Integration

With MT4 unit the communication protocols such as **Modbus** and **BACNet** are available directly from the controller and activated from Factory when ordered or through the after-sales channel.



Management

## Performance Monitoring

With MT4, advanced algorithms implementation in the unit controller are possible, such as the **Performance Monitoring** (Option 186).

This **sensor-less algorithm** calculates the unit cooling capacity by using refrigerant pressure and temperature readings. Electrical power is calculated either from compressor VFD power and fan, or directly measured through optional energy meter. As a standard, **no extrahardware is required.** 



#### Factory-engineered system control to manage a chiller plant room

Thus optimising its performance and increasing its reliability by:

- > Optimal start-up, sequencing & staging of chillers
- > Matching chiller capacity to load demand

#### iCM's main functionalities:

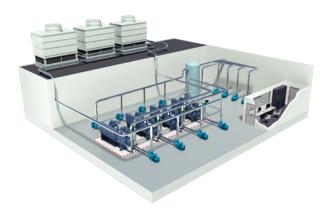
#### **Availability**

Determines whether chillers are available or not, based on:

- > Inputs from the chiller unit controllers
- > Modbus communication status
- > Pump status

#### Sequencing

Optimises the order in which available chillers are turned on and off depending on operating hours, energy efficiency, etc.



#### Why choose iCM?

- > Optimise performance
- > Increase reliability
- > Reduce energy costs
- > Reduce maintenance costs
- > Factory-engineered and tested
- > Remote control and monitoring. From one-time commissioning to real-time commissioning

#### **Staging**

Calculates energy-optimal stage-up/stage-down of the chiller by determining the increased capacity demand by capacity control, compensation of temperature and rotation. This function aims at providing the most energy-efficient combination of chillers on a continuous basis.

#### **Stopping Last Chiller/Recycling**

Captures a rise in demand when the last chiller is staged down, by operating the pump dedicated to the next ON chiller at a minimum VFD frequency.

#### **Min/Max Operating Chiller Setting**

Ensures that the number of operating chillers always stays within a certain range, regardless of changes in demand.

#### **Primary Pump control**

Primary evaporator and condenser pump control for dedicated and manifolded pumps thanks to iPM panel

#### **Secondary Pump Control**

Control of up to 12 secondary circuits thanks to iSM panel extension

#### **Cooling Tower Optimization**

Control and Optimization of Cooling Tower systems thanks to iCT extension modules.

#### **Remote Connection through Daikin on Site**

24/7 monitoring and control of iCM plants through Daikin on Site cloud service.

> Daikin is the best qualified partner to optimise the operation of a Daikin chiller plant room.

#### Remote control and monitoring possibilities (valid for both Standard and Customised versions)

- > Connectivity to Daikin's remote monitoring and control system (www.daikinonsite.com)
  - for remote monitoring and service providing Internet connection to the main controller
- > Integration with general BAS/BMS offered through BACnet or Modbus Modules based on BACnet/IP or Modbus RTU/RS-485 protocols
- > Built-in HMI, Remote HMI, Web HMI and daikinonsite.com are available for control and configuration

## Integrated logics for Plant Management



#### **Control strategies**

Advanced control strategies can be chosen to optimise units life time and the energy efficiency of a chillers plant:

- by sequencing it is decided which unit must start or stop
- by staging the unit shares the load based on a threshold specified by the user

#### **Control options**

iCM can manage:

- > Up to 16 units Heating/Cooling mode, with iCM expanded kit
- > Up to 8 units Heating/Cooling mode
- Special control options such as:
   VPF, Demand Limit, Rapid Restart
   are managed by iCM in a multiple unit system
- > Heat recovery option management
- > Free cooling option management
- Manifolded pumps management (evaporator/condenser) –
   iPM control panel is required
- Cooling tower system management iCT control panel is required
- Secondary circuits management iSM control panel is required

#### What are the main differences between Master/Slave and iCM?

For Daikin unit equipped with MT4, iCM are set of functions embedded directly in the unit controller. In addition for those applications not covered by the embedded functions, iCM customized are also available.

While Master/Slave can manage systems composed by units model of the same type, iCM can manage cooling, heating and plants made of different kind of units

Feature	Master/Slave	New iCM
Number of chillers	UP TO 2	UP TO 16
Plants with All Chillers	same models	YES
Plants with all Heat Pumps	same models	YES
Plants with Multipurpose	YES	YES
Mix of Chillers (max 2 circuits) + Multipurpose	NO	YES
Mix of Chillers + Heat Pumps	NO	YES
Chillers with Heat Recovery	NO	YES
Chillers with free cooling	NO	YES
Units with modulable capacity control	YES	YES
Units with step capacity control	YES	YES

## Product line-up

#### Intelligent Manager

#### iCM as unit option 184 (up to 16 with iCM expanded kit):

- > Up to 8 daikin chillers
- > Mixed systems (Chiller + heat pumps or chillers + multipurpose)
- > Heating/cooling operating modes
- > Heat recovery and Free cooling management
- > Units with modulable and step capacity control

#### **Intelligent Pump Manager:**

- > Up to 5 dedicated or manifolded pumps (evaporator or condenser)
- > Up to 10 dedicated or manifolded pumps (evaporator or condenser)

#### **Intelligent Cooling Tower Manager:**

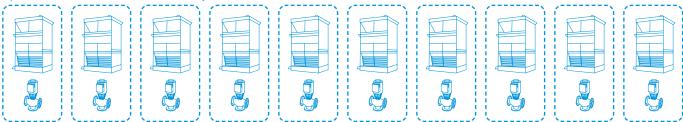
> Up to 10 manifolded cooling towers (available with Pump Manager at the condenser side)

#### intelligent Secondary Circuits Manager:

> Up to 8 pumps divided in up to 4 pump groups (up to 3 ism can be connected for a total of 12 pump groups and 24 secondary pumps)



Up to 10 COOLING TOWER MANAGER (only available with PUMP MANAGER at the condensor side)



Up to 3 INTELLIGENT SECONDARY MANAGER (each iSM can control up to 4 pump groups and up to 8 pumps)



## Individual Modbus interfaces

#### RTD-RA

 Modbus interface for monitoring and control of residential indoor units

#### DAIKIN MODBUS ADAPTOR SIMPLE (EKMBPP1)

- > Modbus interface for monitoring & control of Sky air, VRV & ventilation units.
- > Smart grid control for Sky air indoor units.

#### **RTD-10**

- > Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
  - Modbus
- Voltage (0-10V)
- Resistance
- > Duty/standby function for server rooms

#### **RTD-20**

- > Advanced control of Sky Air, VRV, VAM/VKM and air curtains
- > Clone or independent zone control
- > Increased comfort with integration of CO<sub>2</sub> sensor for fresh air volume control
- > Save on running costs via
  - pre/post and trade mode
- set point limitation
- overall shut down
- PIR sensor for adaptive deadband

#### RTD-HO

- Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
- > Intelligent hotel room controller

#### RTD-W

 Modbus interface for monitoring and control of Daikin Altherma Flex Type, VRV HT hydrobox and small inverter chiller

#### NEW Daikin HomeHub EKRHH

- > Modbus RTU/IP interface for Daikin Altherma 3
- Integrate the Daikin Altherma 3 air-to-water heat pump in a home automation or energy management system

#### DCOM-LT/MB

 Modbus interface of Daikin Altherma air-to-water heat pumps, hybrid heat pumps and ground source heat pumps

#### DCOM/LT-IO

> Voltage & resistance control in addition to Modbus



#### Overview functions











Main functions	RTD-RA	EKMBPP1	RTD-10	RTD-20	RTD-HO
Dimensions H x W x D mm	80 x 80 x 37.5	100 x100 x 20		100 x100 x 22	
Key card + window contact					✓
Set back function	✓				✓
Prohibit or restrict remote control functions (setpoint limitation,	)	✓	✓	<b>√**</b>	✓
Modbus (RS485)	✓	✓	✓	<b>✓</b>	✓
Group control	√(1)	✓	✓	✓	✓
0 - 10 V control			✓	<b>✓</b>	
Resistance control			✓	✓	
IT application	✓		✓		
Heating interlock			✓	<b>✓</b>	
Output signal (on/defrost, error)			✓	<b>√***</b>	✓
Retail application				<b>✓</b>	
Partitioned room control				<b>✓</b>	
Air curtain		<b>√**</b> *	<b>√***</b>	<b>✓</b>	

(1): By combining RTD-RA devices

Control functions	RTD-RA	EKMBPP1	RTD-10	RTD-20	RTD-HO
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
Fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				
Smart Grid Control		M			

Smart and control					
Monitoring functions	RTD-RA	EKMBPP1	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
Fan	M	M	M	M	M
Louver	M	M	M	M	M
RC temperature		M	M	M	M
RC mode		M	M	M	M
N° of units		M	M	M	M
Fault	M	M	M	M	M
Fault code	M	M	M	M	M
Return air temperature (Average/Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M



		A. C. C. C. C. C. C. C. C. C. C. C. C. C.
Main functions		RTD-W
Dimensions	HxWxD mm	100x100x22
On/off prohibition		✓
Modbus RS485		✓
Dry contact control		✓
Output signal (operation error	r)	✓
Space heating / cooling opera	ition	✓
Domestic hot water control		✓
Smart Grid control		
Control functions		
On/Off Space heating/cooling		M,C
Set point leaving water temper		M,V
Room temperature setpoint		M
Operation mode		M
Domestic Hot water ON		
Domestic Hot Water reheat		M,C
Domestic Hot Water reheat se	tpoint	
Domestic Hot Water storage		M
Domestic Hot Water Booster s	etpoint	
Quiet mode		M,C
Weather dependent setpoint	enable	M
Weather dependent curve shi	ft	M
Fault/pump info relay choice		
Control source prohibition		M
Smart grid mode control		
Prohibit Space heating/coolin	g	
Prohibit DHW		
Prohibit Electric heaters		
Prohibit All operation		
PV available for storage		
Powerful boost		
Monitoring functions		
> On/Off Space heating/cooli	ng	M,C
> Set point leaving water tem		M
> Room temperature setpoint	t	M
› Operation mode		M
Domestic Hot Water reheat		M

Smart Grid control	
Control functions	
On/Off Space heating/cooling	M,C
Set point leaving water temperature (heating / cooling)	M.V
Room temperature setpoint	M
Operation mode	M
Domestic Hot water ON	
Domestic Hot Water reheat	M,C
Domestic Hot Water reheat setpoint	myc
Domestic Hot Water storage	M
Domestic Hot Water Booster setpoint	
Ouiet mode	M.C
Weather dependent setpoint enable	M
Weather dependent curve shift	M
Fault/pump info relay choice	
Control source prohibition	M
Smart grid mode control	
Prohibit Space heating/cooling	
Prohibit DHW	
Prohibit Electric heaters	
Prohibit All operation	
PV available for storage	
Powerful boost	
Monitoring functions	
On/Off Space heating/cooling	M,C
> Set point leaving water temperature (H/C)	M
> Room temperature setpoint	M
> Operation mode	M
> Domestic Hot Water reheat	M
> Domestic Hot Water storage	M
› Number of units in the group	M
Average leaving water temperature	M
> Remocon room temperature	M
› Fault	M.C
› Fault code	M
› Circulation pump operation	M
> Flow rate	
> Solar pump operation	
› Compressor status	M
› Desinfection operation	M
> Setback operation	M
› Defrost/ start up	M
› Hot start	
› Booster Heater operation	
> 3-Way valve status	
> Pump running hours accumulated	M
Compressor running hours accumulated	
Actual leaving water temperature	M
Actual return water temperature	M
Actual DHW tank temperature (*)	M
Actual refrigerant temperature	Wi
Actual outdoor temperature	M
<u> </u>	\
M: Modbus / R: Resistance / V: Voltage / C: control   *: only when r	oom is occupied / ^^: setpoint limitation / (*) if available



Control functions	EKRHH
Leaving water main heating or cooling setpoint	✓
Operation mode	✓
Space heating/cooling ON/OFF	✓
Room thermostat control heating or cooling setpoint	✓
Room thermostat ON/OFF	✓
Quiet mode ON/OFF	✓
DHW reheat set point	✓
DHW reheat ON/OFF	✓
DHW powerful mode ON/OFF	✓
Weather dependent mode and offset	✓
SG operation mode	✓
Power limit during recommended on / buffering	✓
General power limit	✓
Monitoring functions	
Error code	✓
Circulation pump running	✓
Compressor running	✓
Backup heater running	✓
Disinfection operation	✓
Defrost/startup/hot start	✓
Operation mode	✓
Leaving water temperature PHE/BUH	✓
Return water temperature	✓
Domestic hot water temperature	✓
Ambient temperature	✓
Liquid refrigerant temperature	✓
Flowrate	✓
Room temperature	✓
Heat pump power consumption	✓
DHW operation / space heating operation	✓
Leaving water temperature lower and upper limit	✓

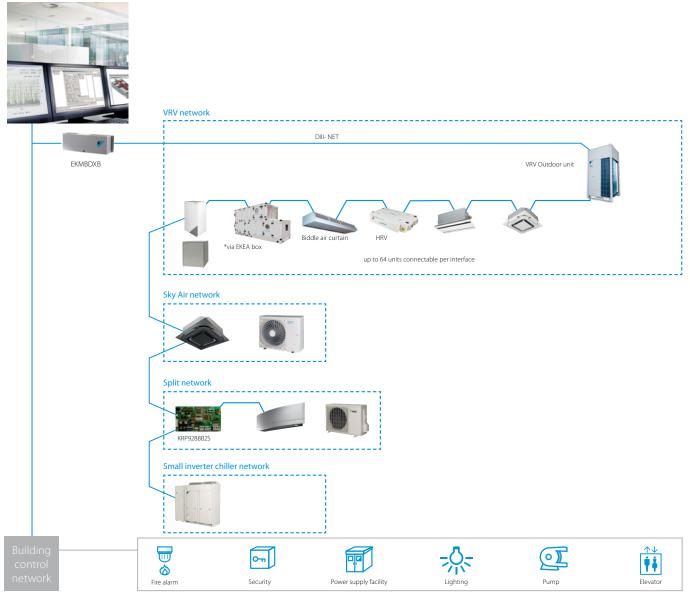
#### **EKMBDXB**

#### **DIII-net Modbus interface**

Integrated control system for seamless connection between Split, Sky Air, VRV and small inverter chillers and BMS systems

- > Communication via Modbus RS485 protocol
- > Detailed monitoring and control of the VRV total solution
- > Easy and fast installation via DIII-net protocol
- > As the Daikin DIII-net protocol is being used, only one modbus interface is needed for a group of Daikin systems (up to 10 outdoor units systems).

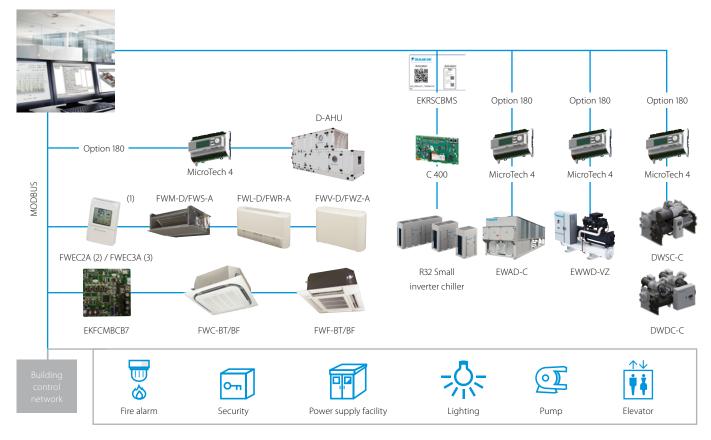




			EKMBDXB7V1
Maximum number of connectable indoor	units		64
Maximum number of connectable outdoor units			10
Communication	DIII-NET - Remark		DIII-NET (F1F2)
	Protocol - Remark		2 wire; communication speed: 9,600 bps or 19,200 bps
	Protocol - Type		RS485 (modbus)
	Protocol - Max. Wiring length	m	500
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation			Indoor installation
Power supply	Frequency	Hz	50
	Voltage	V	220-240

#### **Modbus interface**

#### Integrate chillers, fan coil units and air handling units in BMS systems via modbus protocol



<sup>(1)</sup> The communication module is integrated in the controller (2) Connection to FWV-D, FWL-D & FWM-D (3) Connection to FWV-D, FWL-D, FWM-D and to FWZ-A, FWR-A, FWS-A

#### Integrate Refrigeration units in BMS systems via modbus protocol

#### BRR9A1V1

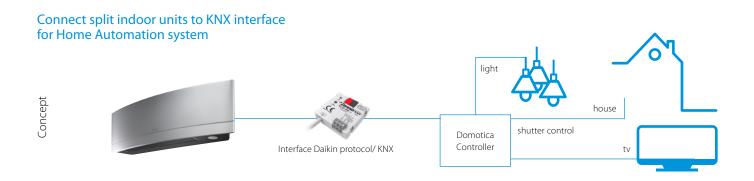


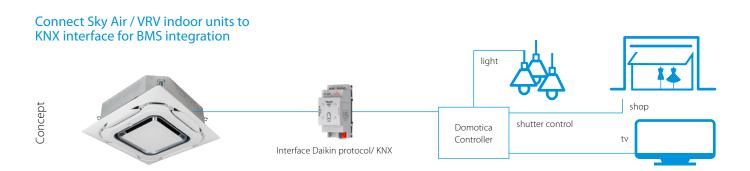
 $<sup>\</sup>hbox{* For all connectable indoor units and Biddle air curtains please refer to the Conveni-pack pages in this catalogue}\\$ 

#### KLIC-DDV3 KLIC-DI\_V2

#### **KNX** interface

#### Integration of Split, Sky Air and VRV in HA/BMS systems





#### KNX interface line-up

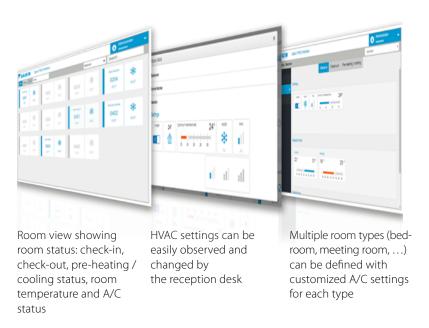
The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scene' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

#### KNX interface for KLIC-DDV3 size 45x45x15mm KLIC-DI\_V2 size 90x60x35mm Split Sky Air Basic control On/Off Mode Auto, heat, dry, fan, cool Auto, heat, dry, fan, cool Auto, heat, dry, fan, cool Temperature Fan speed levels 3 or 5 + auto 2 or 3 2 or 3 Stop or movement Swing or fixed positions (5) Stop or movement Advanced functionalities Error management Communication errors, Daikin unit errors Scenes Auto switch off Temperature limitation Initial configuration Master and slave configuration

#### DCM010A51

#### **PMS Interface**

# Hotel interface connecting Daikin HVAC Property Management Systems



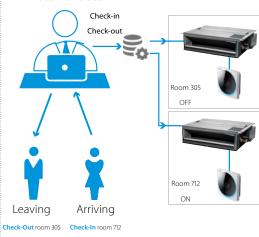
#### **Features**

- User-friendly interface for easy front desk support in hotels, conference centers, ...
- Compatible with Oracle Opera PMS (formerly known as Micros Fidelio)
- Automated push of indoor unit settings based on the Opera PMS Check-In and Check-Out commands
- Energy saving thanks to the possibility to limit temperature setpoint
- Up to 5 customized operation profiles based on weather conditions
- Available in 23 languages
- Up to 2,500 units / rooms can be managed
- The Daikin PMS is using the FIAS protocol, designed by Oracle, to interface with the Property Management System.

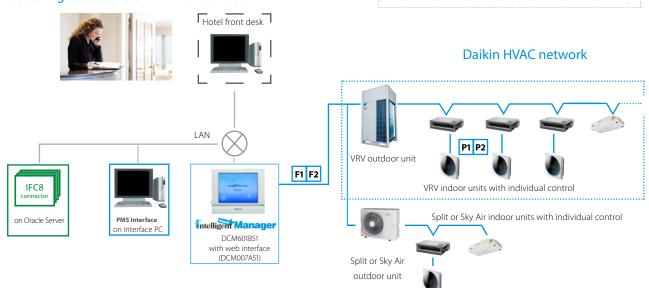


- On check-in the HVAC for the room is automatically switched on
- On check-out the HVAC for the room is automatically switched off.
- Increased hotel customer experience by pre-heating / cooling of booked rooms

#### Hotel front desk



#### Simplified configuration of Daikin PMS interface

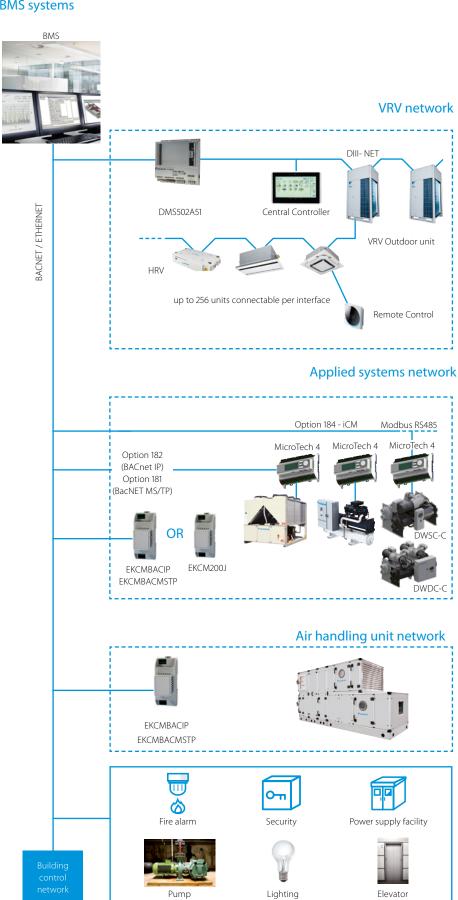


#### DMS502A51 / EKACBACMSTP / EKCMBACIP / EKCMBACMSTP

#### **BACnet Interface**

Integrated control system for seamless connection between VRV, applied systems, air handling units and BMS systems

- > Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet)
- > Unlimited site size
- > Easy and fast installation
- PPD data is available on BMS system (only for VRV)

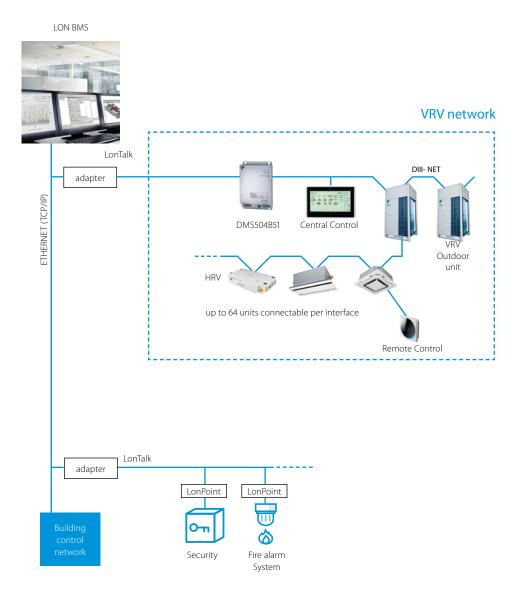


#### DMS504B51

#### **LonWorks Interface**

Open network integration of VRV monitoring and control functions into LonWorks networks

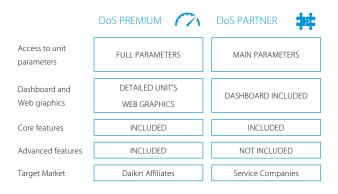
- Interface for Lon connection to LonWorks networks
- Communication via Lon protocol (twisted pair wire)
- > Unlimited sitesize
- > Quick and easy installation



## Daikin on Site (DoS)

#### ▼ Remote service levels

Level	Delivery
Alerts and web application	<ul> <li>24/7/365 automated alarm and event monitoring by customer themselves</li> <li>Automated notification via email to customers</li> <li>Access to Daikin on Site web application</li> </ul>
Active monitoring	<ul> <li>Remote alarm analysis and diagnostics by Daikin Affiliate Experts</li> <li>Smart mobilization of authorized service personnel</li> </ul>
Connected Service Plan	<ul> <li>Remote alarm analysis and diagnostics by Daikin Affiliate Experts</li> <li>Smart mobilization of authorized service personnel</li> <li>Complemented with a Daikin Service Plan</li> </ul>



#### **▼** Features & Compatibilities

Main Feature List	PARTNER	PREMIUM				
Datapoints	up to 200	up to 500				
History	1-year	10-years				
Reporting	✓	✓				
API access	Internal Use	Internal Use				
Core Features						
Map & KPI		✓				
Remote Alarm Notification	✓	✓				
Alarm Dashboard	✓	✓				
Datapoint List	✓	✓				
Web Graphics		✓				
Dashboard	✓	✓				
Trend Viewer	✓	✓				
Scheduler	✓	✓				
Web Access	✓	✓				
Advanced features						
Leak Detection		✓				
Trend Analysis		✓				
Predictive maintenance		✓				
Optimization		✓				

#### **▼** Quotation and order process

> An monthly access fee is invoiced to affiliates for each connection. For additional info, contact DENV **fqs.servicebusiness@** 

#### daikineurope.com

- > Invoicing starts as of activation of a connection by the affiliate DoS key-user.
- > Dos Partner is based on yearly fee.
- > Dos Premium is based on monthly fee.
- > Affiliates offer local annual contracts into the market, based on the above proposed levels.
- > To access the DEMO PLANT, please contact

#### fgs.servicebusiness@daikineurope.com

#### **▼** For whom

- > Daikin on Site is a multi-feature platform. It has the ambition to be a collaborative platform for all people managing the operation and maintenance of the chiller plants and/or AHUs.
- > DoS Premium → Direct Service Business for Affiliates
- > Include advanced features
- > DoS Maint → Service partners or Facility managers
- > Specific products for Service Partners

#### **▼** Benefits

- > Peace of mind, with control over operation and maintenance budgets.
- Control and measuring: remote site assessment, relevant dashboards, access to real-time and historical data from anywhere, whenever needed.
- > Optimal performance: team-up with Daikin's expertise, quick alarm resolution, remote service and software updates.
- > Energy efficiency: enhanced control (remote control and master-slave), energy metering
- Available as standalone (access only) or fully integrated in Daikin's Service Plans.

#### **▼** Practicals

- > No hardware investment required.
- > Easy commissioning.
- > Annual access fee per connection (pay per use).
- > Unlimited users per connection allowed.
- $\,{}^{\backprime}$  Different access roles for operators, trained service and Daikin.
- > Internet and data privacy secure.

#### **✓** Connectivity

#### Chillers MT3 & MT4 controlled chillers





- > Chiller software is 'DoS ready'.
- > No extra hardware required.

Find the overall DoS software release planning in the compatibility list on **www.mydaikin.eu** 

> New chillers: delivered from factory 'DoS ready'.

Installed base:

> Chiller software update is required; see compatibility list on **www.mydaikin.eu.** 

#### AHU - MT3 controlled



> Uses IP port of controller to connect to LAN or modem.

#### Chillers MT2 controlled



- > Unique device for any MTII controlled Unit.
- > New features, as the possibility to control additional sensors.
- > Possibility to connect the unit with BMS of the customer.



ALC DC8

ALC DC8 EU.SB.5000081

Unified version of Gateway to connect chillers controlled by MTII (Carel pCO<sub>2</sub>-pCO3-pCO5) to DoS.

Supersede existing models: EU.SB.5000052 EU.SB.5000001 EU.SB.5000004

#### iCM embedded - Chiller plant manager





- > ICM is DoS-ready.
- > No extra hardware required.
- > Uses IP port of controller to connect to LAN or modem.

Look for iCM documentation on my.daikin.eu

#### Measurement and Monitoring kit for targeted energy audit



- > M&M is DoS-ready.
- > No extra hardware required.
- Uses IP port of controller to connect to LAN or modem.

Look for sales index 'target energy audit'.

A compatibility table is available on Daikin Extranet.

If you do not find it, then fqs.servicebusiness@daikineurope.com and fqs.technicalsupport@daikineurope.com will assist you.

The table provides information of required hardware, software and monitoring features for each chiller model.

#### **▼** Roles and access levels



Plant Dashboard	Plant Dashboard
Data points	Data points
Alarms	Alarms
Web graphic	Web access
History	Web graphic
Schedulers	History
Documentation	Schedulers
	Documentation



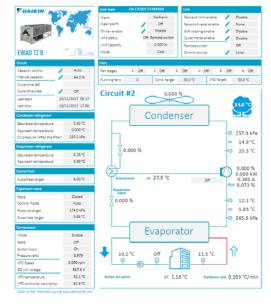
Plant Dashboard	
Data points	<i>.</i>
Alarms	
Web access	
Web graphic	
History	
Schedulers	
Documentation	

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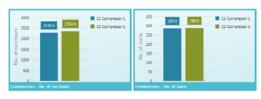
Plant Dashboard	
Data points	<i>.</i>
Alarms	
Web access	
Web graphic	
Upgrade	
Schedulers	
Tasks	
Documentation	
Plant settings	

#### **▼** Few screenshot examples (more on Daikin on Site)



Circuit overview – real-time data

For maintenance check and diagnostics.



Pre-engineered dashboards for each user role. Easy customizable by each user.



Plant overview, with real-time data

Full insight in the plant operation for commissioning and optimization.



Historical data: select parameters, select period, zoom,  $\dots$  Full insight in the equipment operation for diagnostics and optimization.

#### Periodic reports

2 3

> Heat recovery ventilation unit Modular L -ALB\*

1.04 STORAGE

4

- Install with pre-heater ALD07LEPH01 (left) or ALD07REPH01 (right).
- Install with CO2 sensor ALC00UC2S01

Left connection: ALB-RA

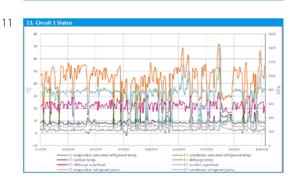
















Periodic reports on the unit for the last 1 and 6 months.

- Data displayed: 1. Overall unit status
- 2. Component status and recommendations
- 3. Unit status 4. Compressor running hours
- 5. Compressor starts
  6. Compressor starts and working hours
- 7. Compressor capacity 8. Condenser status (per circuit) 9. Evaporator status (per circuit)
- 10. Evaporator pump Run hours 11. Circuit status

- 12. Alarm history
  13. Energy consumption per day and accumulated

More info on: https://my.daikin.eu/denv/en\_US/home/service-and-solutions.html Sharepoint for Reports download: https://denv.sharepoint.com/sites/DaikinonSiteReporting

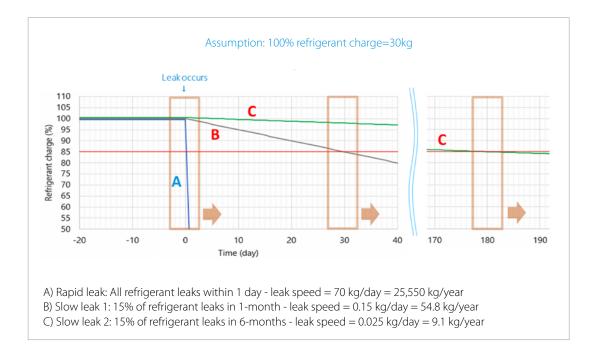
#### Leak detection function on DoS

#### **✓** Description

Through an extensive analysis of working data of the unit, a Machine Learning algorithm will detect potential gas losses by notifying the Operator. The algorithm can detect losses that are in a range of 0-15% of the total amount of gas.

Automatically available on DoS PREMIUM plants  $\rightarrow$  Tz units equipped with liquid temperature sensor. In case of potential slow leakages, it notifies the operator raising an Alarm.

Through a dedicated section the Operator can see the status of the Unit and if the probability of a gas leakage.



#### ✓ Available informations on dashboard

- > Last Check: indicates when the algorithm performed for the last time.
- > Cx Status: indicates if there are leakages or not in the circuit.
- > Cx Leak occurrences: indicates how many times the algorithm detected a possible leakage
- > Cx Avg prob of Leakage: indicates the probability to have leakages
- > Cx Messages: indicates in case of no data availability if the algorithm performed or not



# IEQ Sensor

# Our New Indoor Environmental Quality Sensor









# Indoor Air Quality Matters

# ✓ Indoor Air Quality

Indoor Air Quality (IAQ) refers to the quality of the air in indoor environments, which affects building's occupants during their everyday lives. When designing HVAC systems for residential buildings, schools, offices, or light commercial buildings, many things must be considered. While it is important to meet the cooling and heating demand, we should also consider aspects such as ventilation, air filtration, and indoor air quality.

Did you know that breathing indoor air, whether it is at home, at the office, or in a hotel room, can be much more polluted than outdoor air? Remember that 90% of our life is spent indoors, and indoor air quality can be 2 to 5 times worse than outdoor air.

# ✓ Indoor Air Quality components

Indoor Environment Quality (IEQ) is broader than IAQ, and includes lighting, noise, and electromagnetic fields.

#### 1. Ventilation

Ensures the provision of fresh and clean air

#### 2. Energy recovery

Delivers energy savings by transferring heat and moisture between airflows

#### 3. Air processing

Ensures clean and healthy air by filtering out pollen, dust, and odours that are harmful to our health

#### 4. Humidification

Ensures the desired moisture level in the conditioned space

## **✓** Ventilation

Ventilation systems ensure optimal climate conditions by providing a fresh, healthy, and comfortable environment for buildings of all sizes, as well as for different applications.

In a completely closed room, air cannot easily enter or leave, causing air pollutants to accumulate which could affect the health of the people who use the room. Ventilation is essential for diluting and removing these air pollutants.

A well-maintained ventilation system with an adequate air-exchange rate have been demonstrated to be an effective solution to protect people from contaminants, including viruses.



# Monitoring Indoor Air Quality

Nowadays, most things that surround us can be monitored and tracked, even Indoor Air Quality (IAQ). Monitoring and tracking IAQ values can help us to understand how our surrounding environment affects our well-being, and then take action to improve the quality of the environment in which we live, whether this is our homes, the office, a restaurant, schools, or shops.

# Features

The Daikin IEQ Sensor measures your well-being by tracking indoor air quality values, environmental comfort, and electromagnetic pollution. It is available with 12 sensors and 15 parameter measures, and connects through your Wi-Fi network or via NB-IoT technology.

## **▼** Complete Standalone Installation

The Daikin IEQ Sensor does not have to be paired with another product, for an extremely easy and completely standalone installation that takes about a minute. The device can be powered up with microUSB power supply (included). The material code is AIRSENSEPROPLUS.

## ✓ Caelum Monitoring Platform

The device connects to Caelum, Daikin's monitoring platform, at www.daikiniaq.com. This enables you to easily monitor Indoor Air Quality levels and create regular reports based on the data detected by the sensor. You can even use the platform to show your indoor air quality levels to your visitors.

## ✓ Mobile App

The configuration app is available as Daikin AirSense on both the App Store and Play Store. Once installed on your mobile device and logged in, scan the QR code on the IEQ sensor and the app will guide you through the entire configuration process. Once your sensor is configured, you will have access to the entire set of functions from your mobile.

#### **▼** Connectivity

The IEQ sensor ensures perfect integration with Daikin on Site and Daikin Cloud Service, Daikin's remote monitoring and smart maintenance platform. It gives you perfect control over the entire heating, ventilation and air conditioning system installed in your building. You can use interlock function between IAQ sensor and AHUs.

#### ✓ Available ReFilter tools

## **Product Hierarchy**

- > Material Product hierarchy: Accessory
- > Material name: AIRSENSEPROPLUS
- > Business Pillar: SERVICES

## ✓ Green Building Certification

Installing the Daikin IEQ sensor can help you achieve better sustainability ratings and green building projects certified with LEED and WELL certification thanks to Indoor Environmental Quality credits.

#### ▼ Video wall

The video wall is a great tool to have a general overview of the measurements conducted by the device. This screen can be shared with the occupants of the buildings to show in each moment the Indoor Air Quality status.

#### **▼** Communication capability

**NB-IoT:** This technology can reach devices in areas where reception is poor or difficult to reach. Complete standalone installation. This is a perfect solution for service purposes where access to local Wi-Fi is not allowed or not available.

Wi-Fi: Easy and complete standalone installation.

## Daikin IEQ Sensor kit

The IEQ sensor kit comes in a carton box containing the following items:

- › Power Supply plug
- > USB Micro USB Cables
- > Wall fixing kit
- > Quick installation guides



#### NB-IoT or WiFi?

Communication is either Wifi or NB-IoT network (mobile network). The NB-IoT services is available in the following 18 countries: Austria, Belgium, Czech Republic, Denmark, Estonia, Germany, Greece, Hungary, Ireland, Italy, the Netherlands, Norway, Portugal, Romania, Spain, Switzerland, United Kingdom. NB-IoT services carry a fee (invoiced after the first year of usage).



## **✓** Sensor characteristics

#### Fine Dust (PM10/PM2.5)

Range: 0 to 1,000  $\mu$ g/m3 Precision: (from 0  $\mu$ g/m3 to 100  $\mu$ g/m3):  $\pm$ 15  $\mu$ g/m3 Precision: (from 100  $\mu$ g/m3 to

1,000  $\mu$ g/m3):  $\pm$ 15% Resolution: 1  $\mu$ g/m3

## **Temperature**

Range: -40 °C to 85 °C

Precision:  $\pm 1$  °C (between 0 °C and 65 °C)

Resolution: 0.1 °C

## Humidity

Range: 0 to 100% RH Precision: ±3% RH Resolution: 0.1% RH

### **Ambient Light**

Range: 0 lux to 120,000 lux Precision: ±10% Resolution: 0.1 lux

#### Air Pressure hPa

Range: 300 to 1,100 mbar (hPa) Precision: 0.1 mbar (hPa) Resolution: 0.1 mbar (hPa)

### **Electrosmog**

LF Range: 0 - 20,000 nT - Range: 5 Hz - 120 Hz Precision: ±5% - Resolution: 25nT

HF Range: 0 to -10 V/m - Range: 50 MHz - 300 GHz

Precision: ±10% - Resolution: 0.1 V/m Measurements performed on 3 axes

## CO2

Range: 0 to 5,000 ppm

Precision: ±30 ppm (between 0 and 1,000 ppm)

±3% (over 1,000 ppm) Resolution: 1 ppm

#### TVOC

Range: 0 ppb to 1,187 ppb Resolution: 1 ppb

Precision: ±10%

## Air quality

Range: 0 to 500 Precision: ±15% Resolution: 0.1

#### **Sound Pressure**

Range: 28 to 120 dBspl Frequency: from 50 Hz to 20 KHz Precision: ±1 dBspl Resolution: 0.1 dBspl

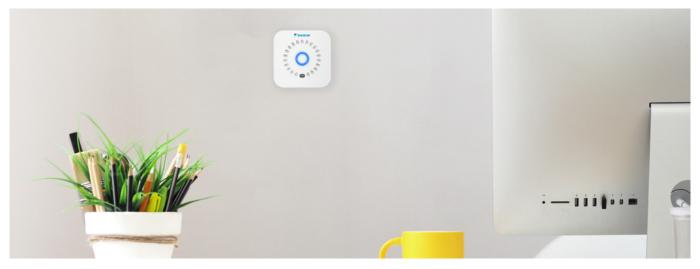
#### CO,e

Range: 400 to 6,000 ppm

Precision: 20% Resolution: 1 ppm

# Wi-Fi networks & signal intensity (2.4GHz band)/(PM10-PM2.5)

Detects Access Point n° in band 2.4Ghz and overall signal level (from 0 to -100 dBm)



## **EKPCCAB4**

# **Daikin Configurator Tool + Software**

Simplified commissioning: graphical interface to configure, commission and upload system settings

## Simplified commissioning

The Daikin configurator for VRV is an advanced software solution that allows for easy system configuration and commissioning:

- > Less time is required on the roof configuring the outdoor unit
- Multiple systems at different sites can be managed in exactly the same way, thus offering simplified commissioning for key accounts
- > Initial settings on the outdoor unit can be easily retrieved







Retrieve initial system settings







#### **K.RSS**

# Wireless room temperature sensor for Sky Air and VRV

## Flexible and easy installation

- Accurate temperature measurement thanks to flexible placement of the sensor
- > No need for wiring
- > No need to drill holes
- > Ideal for refurbishment



## Connection diagram Daikin indoor unit PCB (FXSQ example)



## **Specifications**

			Wireless room temperature sensor kit (K.RSS)		
			Wireless room temperature receiver	Wireless room temperature sensor	
Dimensions		mm	50 x 50	ø 75	
Weight		g	40	60	
Power supply			16VDC, max. 20 mA	N/A	
Battery life			N/A	+/- 3 years	
Battery type			N/A	3 Volt Lithium battery	
Maximum range		m	10		
Operation range		°C	0~	50	
Communication	Type		R	F	
	Frequency	MHz	868	8.3	

> Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

## **KRCS\***

# Wired room temperature sensor for Sky Air and VRV



- Accurate temperature measurement, thanks to flexible placement of the sensor
- Specific model code for each indoor unit can be found in the option tables

## **Specifications**

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

# **ADAPTER PCBs**

# Simple solutions for unique requirements Concept and benefits

> Low cost option to satisfy simple control requirements
> Deployed on single or multiple units

Split Sky Air V

> Deployed	on single or multiple	units	Split	Sky Air	VRV
	(E) KRP1B* adapter for wiring	> Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper > Powered by and installed at the indoor unit		•	•
	KRP2A*/KRP4A* Wiring adapter for electrical appendices	> Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via F1 F2) > Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via P1 P2) > Alarm indication/ fire shut down > Remote temperature setpoint adjustment > Cannot be used in combination with a central controller		•	•
	SB.KRP58M2	<ul> <li>Low noise and demand control option for RZAG-N* and RZASG-M* series.</li> <li>Obligatory mounted plate EKMKSA2 needs to be ordered separately</li> </ul>		•	
1011	KRP58M51	<ul> <li>Low noise and demand control option for RZA-D series.</li> <li>Includes obligatory mounted plate EKMKSA3</li> <li>Obligatory mounting plate EKMKSA3 needs to be ordered separately</li> </ul>		•	
	<b>DTA104A*</b> Outdoor Unit External Control Adapter	<ul> <li>Individual or simultaneous control of VRV system operating mode</li> <li>Demand control of individual or multiple systems</li> <li>Low noise option for individual or multiple systems</li> </ul>			•
RESE	<b>DCS302A52-9</b> Unification adapter for computerized control	> Enables unified display (operation/malfunction) and unified control (ON/OFF) from BMS system > Must be used together with Intelligent Touch Controller or intelligent Touch Manager > Cannot be combined with KRP2/4* > Can be used for all VRV indoor models			•
	<b>KRP928*</b> Interface adapter for DIII-net	> Allows integration of split units to Daikin central controls	•		
	KRP980* Adapter for split units without an S21 port	<ul> <li>Connect a wired remote control</li> <li>Connect to Daikin central controls</li> <li>Allow external contact</li> </ul>	•		
	KRP413* Wiring adapter normal open contact / normal open pulse contact	> Switch off auto restart after power failure > Indication of operation mode / error > Remotely start / stop > Remotely change operation mode > Remotely change fan speed	•		

Some adapters require an installation box, refer to the option lists for more information

# **Accessories**

EKRORO	0	> External ON/OFF or forced off > Example: door or window contact
EKRORO 3		> External ON/OFF or forced off > F1/F2 contact > Example: door or window contact
KRC19-26A	Planers	<ul> <li>Mechanical cool/heat selector</li> <li>Allows switching over an entire system between cooling/heating/fan only</li> <li>Connects to the A/B/C terminals of the unit</li> </ul>
BRP2A81	EB4568(A)	Cool/heat selector PCB     Required to connect KRC19-26A to a VRV IV outdoor unit

# Individual and centralised controls

BRC1D*	BRC1E*	BRC1H*	DCS301B51	DST301B51	DCS302C51	DCS601C51
		•				
•	•	•				
•	•		•	•		
					•	
						•
	BRC1D*	BRC1D* BRC1E*	BRC1D* BRC1E* BRC1H*	BRC1D* BRC1E* BRC1H* DCS301B51	BRC1D* BRC1E* BRC1H* DCS301B51 DST301B51  • • • • • • • • • • • • • • • • • • •	BRC1D* BRC1E* BRC1H* DCS301B51 DST301B51 DCS302C51

<sup>(1)</sup> recommended as wider (more stable mounting)

# **Intelligent Tablet Controller - DCC601A51**

		ntelligent Controller	
	_	Options for local control	
Wired screen for local control	AL-CCD07-VESA-1	•	
Commissioning tool		•	
Software update tool		•	

# Standard protocol interfaces - DMS502A51

		BACnet Interface
DIII-net expansion board (2 ports), connects up to 128 additional indoor units	DAM411B51	•
Digital pulse inputs (12) for PPD functionality	DAM412B51	•

# **Intelligent Chiller Manager**

		Intelligent Manager
Differential Pressure Sensor 4-20 mA 0-160 kPa	EKQDP2M016	•
Differential Pressure Sensor 4-20 mA 0-250 kPa	EKQDP2M020	•
Differential Pressure Sensor 4-20 mA 0-400 kPa	EKQDP2M040	•
Differential Pressure Sensor 4-20 mA 0-600 kPa	EKQDP2M060	•
ModBus RTU communication module	EKCM200J	•
BACnet IP communication module	EKCMBACIP	•

# Intelligent Touch Manager - DCM601B51

		Intelligent Manager
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Only one adaptor can be connected (for more units, use DIII Plus Adaptor Slots)	DGE601A52	•
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Up to 6 Adaptor Slots can be added to a DIII Plus Adaptor	DGE601A53	
iTM plus adapter – Allows connection of an additional 64 indoor units/groups. Up to 7 adapters can be connected	DCM601A52	•
iTM PPD software – Allows distribution of used kWh by indoor units connected to the iTM	DCM002A51	•
TM HTTP interface - Allows communication to any third party controller via http interface	DCM007A51	•
TM Energy navigator – Energy management option	DCM008A51	•
TM BACnet Client option – Enables integration of third party devices to the iTM via the BACnet/P protocol. (This is not a gateway and cannot replace DMS502A51)	DCM009A51	•
Property Management System (PMS) interface option - Enables to connect to third party PMS systems	DCM010A51	Oracle Opera PMS

## WAGO interface options for intelligent Touch Manager

#### Required or optional WAGO base modules

Module type	Model code	Specifications	
24 V DC power supply	787-712	100 to 240 V AC —> 24 V DC, 2.5 A	Required
Communications unit (Bus coupler)	WGDCMCPLR2	RS-485, Max:115.2kbps, not programmable	Required
Connector (1)	750-960		Required
Terminator module	750-600		Required
Power supply module	750-613	IN: 24 V DC, OUT: 5 V DC	Optional

#### Supported WAGO I/0 modules

I/0 module type	Model code	Specifications	N° of contacts
	750-400	No-voltage contact input	2
Di	750-432	Contact rating: 24 V DC / 4.5 mA"	4
	750-430	No-voltage contact input Contact rating: 24 V DC / 2.8 mA	8
D-	750-513/000-001	No-voltage contact output Contact rating: 230 V AC / 30 V DC, 2 A	2
Do	750-504	No-voltage contact output Contact rating: 24 V DC / 0.5 A	4
	750-454	Rated at 4 to 20 mA: 12-bit resolution	2
A ·	750-455	Rated at 4 to 20 mA: 12-bit resolution	4
Ai	750-479	Rated at -10 to 10 V: 13-bit resolution	2
	750-459	Rated at 0 to 10 V: 12-bit resolution	4
	750-554		2
Λ -	750-555	Rated at 4 to 20 mA: 12-bit resolution	4
Ao	750-560	Rated at -10 to 10 V: 10-bit resolution	2
	750-559	Rated at 0 to 10 V: 12-bit resolution	4
	750-461/020-000	NTC20K thermistor	2
	750-461	D: 100 /DTD	2
	750-460	Pt 100/RTD	4
Theoretistes	750-461/000-003	D+ 1000 /DTD	2
Thermistor	750-460/000-003	Pt 1000/RTD	4
	50-461/000-004	Ni 100/RTD	2
	750-461/000-005	N:3000 TV:300 /DTD	2
	750-460/000-005	Ni1000 TK6180/RTD	4
Pi	750-638	Minimum pulse width: 1 ms	2

<sup>(1)</sup> This connector must be attached to a communications unit that is connected to the RS485 port (2-pin) of the iTM unit.

<sup>(2)</sup> To connect intelligent Touch Manager to the Daikin Cloud Service, the loT gateway (EU.SB.5000072) and AC/DC converter (999175A) is needed.

# **Power supply**

## T1 = 3~, 220V, 50Hz V1 = 1~, 220-240V, 50Hz

**VE** = 1~, 220-240V/220V, 50Hz/60Hz\*

 $V3 = 1\sim, 230V, 50Hz$ 

VM = 1~, 220~240V/220~230V, 50Hz/60Hz

W1 =  $3N\sim$ , 400V, 50Hz Y1 =  $3\sim$ , 400V, 50Hz

#### inch mm 1/4" 6.4 mm 3/8 1/2 12.7 mm 5/8 15.9 mm 3/4 19.1 mm 7/8" 22.2 mm 1 1/8 28.5 mm 34.9 mm 1 5/8 41.3 mm 1 3/4 44.5 mm 2″ 50.8 mm

54 mm

66.7 mm

2 1/8

2 5/8"

Conversion table refrigerant piping

# F-gas regulation

Any refrigeration system that contains fluorinated greenhouse gases is in scope of the F-gas regulations. For fully/partially pre-charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels and in the notes underneath the specification tables in this catalogue. For non pre-charged equipment (including, but not limited to racks): its functioning relies on fluorinated greenhouse gases. The F-gas regulations do not apply to systems that contain only natural refrigerants such as propane or carbon dioxide.

# **Measuring conditions**

## Air conditioning

1) Nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m
2) Nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m

#### Refrigeration

ZEAS	Chil	ling	Evaporating temp10°C; outdoor temp. 32°C; Suction SH10°C	
	Freezing		Evaporating temp35°C; outdoor temp. 32°C; Suction SH10°C	
Conveni-Pack	Mix Air conditioning and refrigeration operating mode		Indoor temp. 27°CDB/19°CWB; outdoor temp. 32°CDB; piping length:7.5m; level difference: 0m; refrigeration side: Evaporating temp10°C; outdoor temp. 32°CDB; Suction SH: 10°C	
	Mix heating and refrigeration operating mode (Heating recovery 100% mode)		Indoor temp. 20°C; outdoor temp. 7°CDB,6°CWB; advertised refrigerant load (Evaporating temp -10°C; Suction SH: 10°C); piping length:7.5m; level difference: 0m	
Booster unit			Evaporating temp35°C; outdoor temp. 32°C; suction SH 10K; saturated temp. to discharge pressure of booster unit -10°C	
CCU/SCU	Medium temperature application		Medium temperature application: Outside ambient temp. 32°C; Evaporating temp. = -10°C and 10K superheat;	
	Low temperature application		Low temperature application: Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature	
Zanotti	Uni-Block, Bi-Block, Wineblock	High temperature	When normally running: +10°C / +30°C	
		Medium temperature	When normally running: 0°C / 30°C	
		Low temperature	When normally running: -20°C / +30°C	
	CU (one, twin, and more compressor(s))	Medium temperature	Outside ambient temp. 32°C; Evaporating temp. = -10°C and 20°C suction gas temperature	
		Low temperature	Outside ambient temp. 32°C; Evaporating temp. = -35°C and 20°C suction gas temperature	

## **Applied systems**

Air cooled	Cooling only		Evaporator: 12°C/7°C	Ambient: 35°CDB
	llast.		Evaporator: 12°C/7°C	Ambient: 35°C
	Heat	bump	Condenser: 40°C/45°C	Ambient: 7°CDB/6°CWB
Water cooled	Cooling only		Evaporator: 12°C/7°C	
			Condenser: 30°C/35°C	
	Heating only		Evaporator: 12°C/7°C	
			Condenser: 40°C/45°C	
Condenserless chiller			Evaporator: 12°C/7°C	
			Condensing to	emperature: 45°C / liquid temperature: 40°C
Fan coil units	Cooling		Indoor temperature 27°CDB, 19°CWB; entering water temperature 7°C, water temperature rise 5K	
	Heating	2-pipe	Indoor temperature 20°CDB, 15°CW	/B; entering water temperature 45°C, water temperature drop 5K
		4-pipe	Indoor temperature 20°CDB, 15°CW	B; entering water temperature 65°C, water temperature drop 10K
Air Handling Units			Temperature and humidity conditions: Extract air 22°C / 50%; Fresh air -10°C / 90%	

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks). The sound power level is an absolute value indicating the "power" which a sound source generates. For more detailed information please consult our technical databooks.

<sup>\*</sup> For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

# Benefits

#### We care icons



#### Auto-cleaning filter

The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.



#### Inverter technology

Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.



#### 2 area motion detection sensor

Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 2 directions: left and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting.



#### 3 area motion detection sensor

Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 3 directions: left, front and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting and eventually switch off.



**Energy saving during operation standby**Current consumption is reduced by about 80 % when operating on standby.



## Night set mode

Saves energy, by preventing overcooling or overheating during night time.



This function decreases the power consumption so that other applicances that need large power consumption can be used. This function is also energy saving.

## Comfort



#### Comfort mode

The unit automatically changes the angle of the air discharge louvre depending on the mode. In cooling operation the air will be directed rather upwards to avoid cold draught, while in heating operation the air will be directed rather downwards to avoid cold feet.



#### Powerful mode

If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the powerful mode. After the powerful mode is turned off, the unit returns to the preset mode.



### Parctically inaudible

Practically inaudible: the unit runs so quietly, you will almost forget it is there.



Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neighbourhood. (with sound levels as low as 19dB(A)



## Outdoor unit silent operation

To ensure a quiet environment for the neighbourhood the user can lower the operation sound of the outdoor unit by 3 dB(A) via remote control



**Comfortable sleeping mode** Increased comfort function that follows a specific temperature fluctuation rhythm.



#### Draught prevention

When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed



#### Auto cooling-heating changeover

Automatically selects cooling or heating mode to achieve the set temperature.

#### Air flow



#### Ceiling soiling prevention

A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.



## **Vertical auto swing**Possibility to select automatic vertical moving of the air discharge

louvre, for uniform air flow and temperature distribution.



#### Auto fan speed Automatically selects the necessary fan speed to reach or maintain the set temperature

Individual flap control Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new



## room configuration. Optional closure kits are available as well.

Coanda effect - cooling The Coanda effect optimises the airflow in cooling mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



1 \*

**Coanda effect - heating**The Coanda effect optimises the airflow in heating mode. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



Saves power consumption in unoccupied rooms: when the room is empty, the unit switches to economy mode after 20 minutes and restarts when a person enters the room.



**Home leave operation**Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.



#### Fan only

The unit can be used as fan, blowing air without heating or cooling.



**Free cooling**By exploiting the low external air temperatures to cool the water, free cooling reduces the load on the compressors and decreases considerably the annual operating costs during the cold season.



**Presence and floor sensor**The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.



#### Solar panel

Take advantage of solar power. Easily connect your hot water storage to solar collectors on your roof.



**Indoor unit silent operation**To ensure a quiet environment for studying or sleeping the user can lower the operation sound of the indoor unit by 3 dB(A) via



#### Night quiet mode (multi outdoor units in cooling mode only)

Lowers the operation sound of the outdoor unit automatically at night. Installer has to make special setting on outdoor unit or wired remote controller, depending on model.



Fresh hot water
The structure of thermal store ensures optimal water hygiene and eliminates the risk of bacteria and legionella. Rest assured that your hot water is fresh and safe.



Quickly heats up your home when starting up your air conditioner. Set temperature is reached 20% faster than a regular air conditioner (pair only).



The heat plus function provides cosy heating by stimulating radiant heat for 30 minutes. Afterwards, the previous settings are again activated.



#### Floor warming

Optimises convection by distributing hot air from the bottom of



**Weather compensation function**The weather compensation function automatically compensates the heat loss of your home in heating mode when outdoor temperature suddenly drops.



#### 3-D Air flow

This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.



#### Horizontal auto swing

Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.



#### Fan speed steps

Allows to select up to the given number of fan speed.



When installed close to a heating device (e.g. fireplace or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house.



#### Intelligent thermal sensor

The intelligent thermal sensor determines the current room temperature and distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.

# Benefits

#### **Humidity control**



#### Ururu - humidification

Moisture is absorbed from the outdoor air and evenly distributed throughout the indoor areas.



#### Dry programme

Allows humidity levels to be reduced without variations in room temperature.

#### Sarara - dehumidification

Reduces indoor humidity, without affecting the room temperature, by mixing cool, dry air with warm air.

#### Air treatment



#### Flash Streamer<sup>3</sup>

Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air.



**Silver allergen removal and air purifying filter** Captures allergens such as pollen to ensure a steady supply of clean air.



#### Titanium apatite deodorizing filter

Decomposes bothersome odours of for example tobacco and



#### Air filter

Removes airborne dust particles to ensure a steady supply of clean air.

#### Remote control & timer



Can be set to start heating or cooling anytime on a daily or weekly basis.



#### Timer

Allows to preset the air conditioner to start/stop at a specified time.

Wired remote control to start, stop and regulate the air conditioner



**Infrared remote control**Infrared remote control with LCD to start, stop and regulate your indoor unit from a distance.



#### Centralised control

Centralised control to start, stop and regulate several indoor units from one central point.



## necto app

Control your indoor climate from any location via smartphone or tablet.



Voice control Control your unit with your voice.



from a distance.

Wired remote control

**Multi zoning**Allows up to 6 individual climate zones with one indoor unit.



#### 24 Hour timer

Timer can be set to start cooling/heating anytime during a 24-hour period.





#### Auto-restart

The unit restarts automatically at the original settings after power failure.



**Twin/triple/double twin application** 2, 3 or 4 indoor units can be connected to only a single outdoor unit even if they have different capacities. All indoor units operate within the same heating or cooling mode from one remote control.



## VRV for residential application

Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.



## Self-diagnosis

Simplifies maintenance by indicating system faults or operating anomalies.



**Multi tenant**The indoor unit's main power supply can be turned off when leaving the hotel or office building



#### Scroll compressor

Scroll compressor Scroll compressors consist of two scrolls, one is fixed while the other orbits eccentrically without rotating. Designed for small and medium capacities, they provide constant reliability and high efficiency throughout its service life.



#### Centrifugal compressor

Centrifugal compressors use an impeller and volute section to convert the velocity energy into pressure energy. Centrifugal compressors are designed with either optional variable speed drives (VFD) for superior part-load performance for single or dual compressor units, or with magnetic bearings and totally oil-free operation.



Infrastructure cooling
Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.



#### Multi model application

Up to 3 indoor units can be connected to a single outdoor unit, even if they have different capacities. All indoor units can individually be operated within the same heating or cooling mode



#### Multi model application

Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.



**Drain pump kit**Facilitates condensation draining from the indoor unit.



#### Swing compressor

Swing type compressors have a unified vane and roller with fewer moving parts producing low vibration and friction, achieve higher reliability and efficiency compared to conventionally rotary compressors.



#### Screw compressor

Single screw compressors consist of a main single screw and two gate rotors. Optimal performance through step less capacity control, they are designed for high capacities and optimal performances.



**Reciprocating compressor**The reciprocating type compressor consists of a cylinder, pistons and valves. The compression is accomplished by reciprocating movements of the piston in the cylinder.



**Guaranteed operation down to -20°C**Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.



#### Guaranteed operation down to -25°C

Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -25°C.

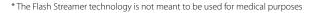


**Guaranteed operation down to -28°C**Daikin units are suitable for all climates, even withstanding severe winter conditions with an operation range down to -28°C



#### Guaranteed operation down to -30°C

Daikin units are suitable for all climates, even withstanding severe winter conditions with an operation range down to -30°C









# Decarbonisation of buildings made easy:

# Benefit from leading VRV 5 technology!

#### Adapts to any building

- > Extensive piping lengths & heights
- > 5 low sound steps down to 41 dB(A)

## Reduces the CO, footprint significantly

- > High, real life seasonal efficiency
- > Lower GWP refrigerant R-32

## Shîrudo Technology provides peace of mind

- > Easy installation of R-32 VRV in any size of room
- Factory-integrated refrigerant control measures avoids time-consuming studies
- > 3rd party certification according to the product standard IEC60335-2-40

## Widest R-32 portfolio to match any application

- > 11 indoor unit models in 96 variations
- > Plug & Play ventilation solutions from 150 up to 140,000 m<sup>3</sup>/h
- > Strong range of intuitive, cloud based controls

#### **Specialised advice** and support

- > Maximise BREEAM, LEED, ... scores thanks to VRV 5 and our expert support
- Online support software to ensure compliance with product standards

## Learn more by visiting www.daikin.eu/vrv5



Daikin Europe N.V participates in the Eurovent Certified Performance programme for Fan Coll Units and Variable Refrigerant Flow systems. Daikin Applied Europe S.p.A participates in the Eurovent Certified Performance programme for Liquid Chilling Packages, Hydronic Heat Pumps and Air Handling Units.

Check ongoing validity of certificate: www.eurovent-certification.com

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ECPEN24-500



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