

# Air cooled scroll inverter heat pump, split version

EWYT-CZI + EWYT-CZO



Ideal for limited space and no glycol installations



## Why choose Daikin chiller & heat pump range?



### Low environmental impact

The new R-32 Small Inverter Chiller provides the lowest direct and indirect CO<sub>2</sub> emissions levels. That makes it an environmentally friendly series, also thanks to the use of R-32, which is known for being a low GWP and sustainable refrigerant.



### Top class efficiency

This new series stands out for being able to provide the best efficiency levels in the market, both in cooling and heating mode, allowing substantial savings on energy bills.



### Leadership in R-32 technology

Daikin can count on the highest number of R-32 installations around the world. This not only means being the most experienced, but also being the most knowledgeable and reliable brand producing R-32 technology.



### Infinite application possibilities

The R-32 Small Inverter Chiller series has been designed to meet the needs of the widest possible range of applications, from process cooling applications, to residential, commercial and data centers applications. All that to provide customers with an extremely flexible solution to their needs.



### Optimized system solutions

The management of multiple units in parallel as well as the advanced control logics for optimizing the heating and cooling production and fulfil domestic hot water needs provide to this new series a full set of key features.



### Advanced connectivity

Complexity has been reduced by moving from hardware to software tools. Thanks to a newly designed Configuration App, it is possible to let the units of this series communicate with any external BMS.



### Compact design

The new R-32 Small Inverter Chiller comes in three different layouts, all providing a very compact footprint despite the cooling/heating capacity they can deliver. The new series represents a great solution for projects dealing with space issues.



### Widespread support network

Daikin customers, other than benefiting from the quality standards associated with the brand, they can benefit from Daikin's widespread network of installers and after sales support teams around the world.

# Daikin

technology  
at its best

## Full Inverter Technology

- > Daikin design DC-Inverter scroll compressors
- > Daikin design DC-Inverter fan
- > Ideal for colder climates: hydronic module for indoor installation eliminating the need for glycol

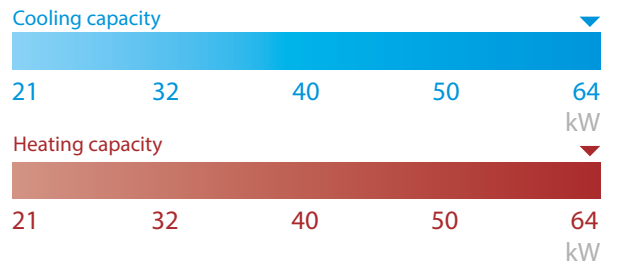
## Low environmental impact

**R-32**  
refrigerant



**68%** Lower GWP  
compared to R-410A

## Extended range



## Wide operating envelope



Hot water production  
**up to 60°C**  
for space heating or  
domestic hot water

Cooling from  
**-20°C up to 45°C**

**down to -20°C**  
ambient temperature both in  
cooling and heating mode for  
the most critical applications

## Achieving best performances



**Top Full Load and Part Load**  
efficiencies for Comfort and Process applications  
both in Cooling and Heating modes

- > EER up to 3,22
- > SEER up to 5,7
- > SEPR up to 8,48
- > COP up to 3,44
- > SCOP AW35 up to 4,19 **A++**

## Quiet operation



Down to

**76 dB(A)**

sound power, with the possibility of  
further reduction with quiet mode  
operation enabled

## Fast delivery to site



Large stock availability  
allowing immediate  
satisfaction of customer's  
needs

# Suitable for comfort & process applications

## Glycol free application for low temperature climates

Thanks to the possibility of installing the indoor unit in technical rooms, there is no need to use glycoled water even in cold climates

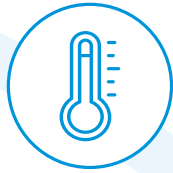


## Full safety measures for R-32 indoor installations

**Daikin way for integrated safety measure to minimize the room size:**

- › Extractor fan enabled by leak detector mounted as standard
- › Two independent output contacts for acoustic and visual alarms





## Working conditions

Heating guaranteed all year round and hot water production up to 60°C and cooling from -20°C up to 45°C in order to respond to all countries need intallations



## Full inverter technology

SEER up to 5,7 | SCOP up to 4,19 | SEPR up to 8,48

Great energy efficiency levels thanks to Daikin Inverter Driven Fans and Daikin Inverter Scroll Compressors



## Plant management & connectivity

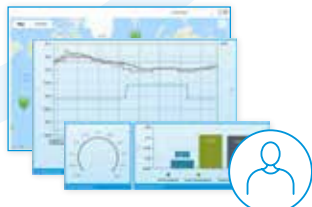
Master/Slave or Modbus RTU are standard to ensure a perfect plant Control



### Remote monitoring and system optimization with Daikin proprietary cloud platform Daikin on Site

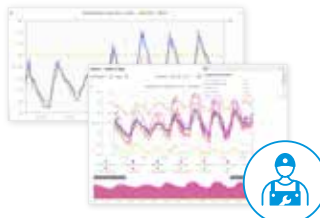
- › Predictive maintenance to prevent breakdowns
- › Visualize energy consumption to reduce energy costs
- › Monitor and control your building no matter where you are via the Daikin On Site
- › Remote diagnostic support to increase your system lifetime
- › Manage Multiple sites

#### Dashboards



OPERATOR

#### Diagnostics



SERVICE

#### Remote software upgrade



DAIKIN

# Heat pump EWYT-CZ split version series

Efficiency data				EWYT + EWYT	021CZI-A1 + 021CZO-A1	032CZI-A1 + 032CZO-A1	040CZI-A1 + 040CZO-A1	064CZI-A2 + 064CZO-A2
<b>Price (indoor + outdoor unit)</b>				€	<b>16.648,-</b>	<b>21.961,-</b>	<b>26.305,-</b>	<b>36.327,-</b>
Heating capacity	Nom.		kW	19,93	32,082	38,996	61,816	
Power input	Heating	Nom.	kW	5,81	9,32	11,73	19,21	
Cooling capacity	Nom.		kW	21,13	32,70	39,93	64,41	
Power input	Cooling	Nom.	kW	6,56	10,28	13,33	21,86	
COP				3,433	3,442	3,325	3,218	
EER				3,221	3,181	2,995	2,946	
SEER				5,41	5,70	5,36	5,34	
Space heating	Average climate water outlet 35°C	General	SCOP	4,19		4,18		4,01
						A++		

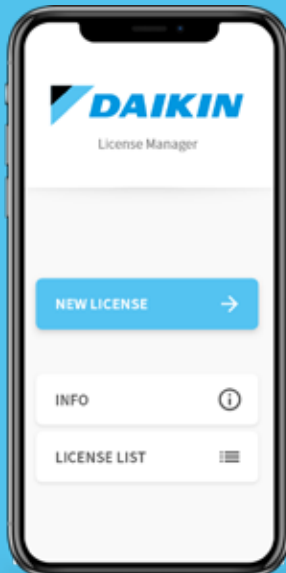
Indoor Unit				EWYT	021CZI-A1	032CZI-A1	040CZI-A1	064CZI-A2
<b>Price</b>				€	<b>5.683,-</b>	<b>6.698,-</b>	<b>7.909,-</b>	<b>8.778,-</b>
Casing	Colour				Ivory white			
	Material				Galvanized and painted steel sheet			
Dimensions	Unit	HeightxWidthxDepth	mm		700 x 1.120 x 830			
Weight	Unit			kg	133	144		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 level	Nom.			dBA	63	64,50		66

Outdoor Unit				EWYT	021CZO-A1	032CZO-A1	040CZO-A1	064CZO-A2
<b>Price</b>				€	<b>10.965,-</b>	<b>15.263,-</b>	<b>18.396,-</b>	<b>27.549,-</b>
Dimensions	Unit	HeightxWidthxDepth	mm	1.878 x 1.152 x 802	1.878 x 1.752 x 802		1.878 x 2.906 x 814	
Weight	Unit			kg	265	357	620	
Compressor	Quantity				1			2
	Type				Scroll compressor			
Refrigerant	Type				R-32			
	GWP				675			
	Charge	kg		7,30	9,50	9,80	16,60	
	Charge	TCO <sub>2</sub> Eq		4,928	6,422	6,635		11,255
Sound power level	Cooling	Nom.		dBA	76	79	80	83
Sound pressure level	Cooling	Nom.		dBA	59,60	62,20	63,20	65,40
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50 /400			


All the cooling performances (cooling capacity, unit power input in cooling and EER) are based on the following conditions: 12,0/7,0°C; ambient 35,0°C, unit at full load operation; operating fluid: water; fouling factor = 0. EN14511:2018  
 All the heating performances (heating capacity, unit power input in heating and COP) are based on the following conditions: 40,0/45,0°C; ambient 7,0°C, unit at full load operation; operating fluid: water; fouling factor = 0. EN14511:2018  
 SEER is calculated in accordance with the regulation No. 2281/2016 and standard EN14825 for information only.  
 The values of Low Temperature SCOP and η<sub>s</sub> are calculated in accordance with the Ecodesign regulation No. 813/2013 and the standard EN 14825-2018.

## Daikin License Manager


the mobile App to enable BMS communication protocols on the new Small Inverter Chiller




**1 SCAN**  
Frame the **Connectivity card** with your camera





**2 DOWNLOAD**  
Download the license for the Small Inverter Chiller unit controller



**3 CONGRATULATIONS**  
Your can now connect your Chiller to your BMS









# R-32 Small Inverter Heat Pump



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