DAIKIN

BLUEVOLUTION

R-32

R-32 Mini Chillers

Air cooled mini inverter chiller and heat pump

Why choose

Daikin R-32 models?

Daikin is continuously leading in chiller technology, striving for innovation with the launch of the new generation of air cooled chillers and heat pumps with R-32 refrigerant, expanding more and more its Bluevolution range.

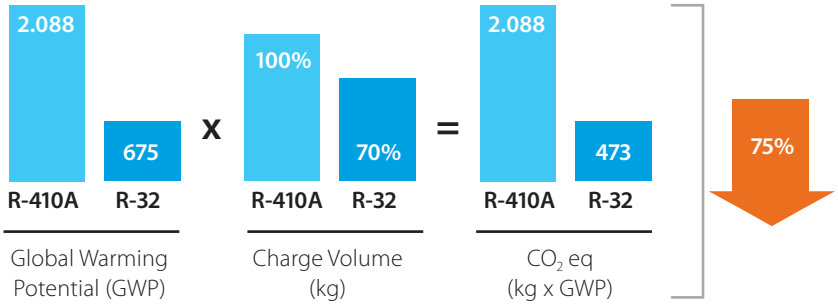
With the highest efficiency at both partial and full load, installers and building owners can give end users better results for all year round comfort – with lower noise levels and higher energy efficiency than ever before.
Thousands of sites around the world have relied on Daikin high efficiency products to reduce their running costs without compromising on climate comfort or performance.

With the new R-32 air cooled mini inverter chiller and heat pump, Daikin has once again improved the units performances, increasing the the energy efficiency and at the same time reducing our environmental footprint.

R-32 refrigerant

Environmental Impact

R-32 has zero ozone depletion potential (ODP=0)
- Lower Global Warming Potential (GWP): only a third of R-410A (R-410A GWP: 2.088; R-32 GWP: 675)
- Lower refrigerant charge compared to the R-410A units
- Reduced environmental impact: reduction of CO_2 equivalent up to 75%

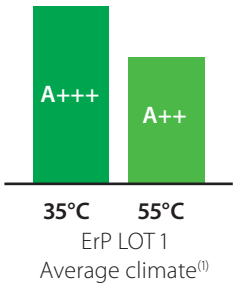


Safety

- R-32 is a single component refrigerant: easy to charge, to handle and recycle
- R-32 has a low flammability therefore it can be safely used in many applications
- R-32 has low toxicity

Energy Efficiency

R-32 products have higher energy efficiency: up to A+++



Cost Effectiveness

- Pricing stability of R-32 as lower GWP refrigerant is more likely to expect than for other F-gases with higher GWP

What is ODP?
The ODP or Ozone Depletion Potential is the potential for a single molecule of the refrigerant to destroy the ozone layer. The smaller the ODP value, the better the refrigerant is for the ozone layer and therefore the environment.

What is GWP?
Global Warming Potential (GWP) expresses the potential impact that a particular refrigerant would have on global warming if it were released into the atmosphere. It is a relative value which compares the impact of 1kg of refrigerant to 1kg of CO_2 over a period of 100 years. The lower the GWP value, the less harmful a refrigerant is for the environment.

What is CO_2 equivalent?
CO_2 equivalent is the impact on the Global Warming Potential compared to CO_2. CO_2 equivalent = GWP x kg

(1) In reference to EWA(Y)-D

Air cooled mini inverter chiller

- Inverter controlled swing compressor with refrigerant R-32
- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
- Application range cooling air side + 10°C to + 43°C
- Application range cooling water side + 5°C to + 22°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation

EWAA

Cooling Only					EWAA	011DV3P	014DV3P	016DV3P
Space cooling	A Condition 35°C	Pdc			kW	11,6	12,8	14,0
		ηs,c			%	229	226	221
SEER						5,79	5,71	5,59
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 exchanger	Type					Plate heat exchanger		
	Water volume				l	2		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler		
Compressor	Type					Hermetically sealed swing inverter compressor		
	Quantity					1		
Fan	Type					Propeller fan		
	Quantity					1		
	Air flow rate	Cooling	Nom.		m^3/min	70	85	
Sound power level	Cooling	Nom.			dBA	67,0	69,0	
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/GWP					R-32/675,0		
	Control					Electronic expansion valve		
	Circuits	Quantity				1		
Refrigerant charge	Per circuit				kg	3,80		
	Per circuit				TCO_2Eq	2,6		
Unit	Running current	Max			A	30,8		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/230		

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Air cooled mini inverter chiller

- Inverter controlled swing compressor with refrigerant R-32
- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
- Application range cooling air side + 10°C to + 43°C
- Application range cooling water side + 5°C to + 22°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation

EWAA

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	5,71	5,59
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 exchanger	Type					Plate heat exchanger		
	Water volume				l	2		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler		
Compressor	Type					Hermetically sealed swing inverter compressor		
	Quantity					1		
Fan	Type					Propeller fan		
	Quantity					1		
	Air flow rate	Cooling	Nom.		m^3/min	70	85	
Sound power level	Cooling	Nom.			dBA	67,0	69,0	
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/GWP					R-32/675,0		
	Control					Electronic expansion valve		
	Circuits	Quantity				1		
Refrigerant charge	Per circuit				kg	3,80		
	Per circuit				TCO_2Eq	2,6		
Unit	Running current	Max			A	14,0		
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400		

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB

Air cooled mini inverter chiller

- Inverter controlled swing compressor with refrigerant R-32
- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
- Application range cooling air side + 10°C to + 43°C
- Application range cooling water side + 5°C to + 22°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation
- Water piping heater tape (OP10) as standard for a better insulation
- of the hydraulic[3]

EWAA

Cooling Only					EWAA	011DV3P-H-	014DV3P-H-	016DV3P-H-
Space cooling	A Condition 35°C	Pdc			kW	11,6	12,8	14,0
	ηs,c				%	229	226	221
SEER						5,79	5,71	5,59
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 exchanger	Type					Plate heat exchanger		
	Water volume				l	2		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler		
Compressor	Type					Hermetically sealed swing inverter compressor		
	Quantity					1		
Fan	Type					Propeller fan		
	Quantity					1		
	Air flow rate	Cooling	Nom.		m^3/min	70	85	
Sound power level	Cooling	Nom.			dBA	67,0	69,0	
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/GWP					R-32/675,0		
	Control					Electronic expansion valve		
	Circuits	Quantity				1		
Refrigerant charge	Per circuit				kg	3,80		
	Per circuit				TCO_2Eq	2,6		
Unit	Running current	Max			A	30,8		
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/230		

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB; (3) EWAA-DVP3-H- has water piping heater tape (OP10) as standard

Air cooled mini inverter chiller

- Inverter controlled swing compressor with refrigerant R-32
- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
- Application range cooling air side + 10°C to + 43°C
- Application range cooling water side + 5°C to + 22°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation
- Water piping heater tape (OP10) as standard for a better insulation
- of the hydraulic[3]

EWAA

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	5,71	5,59
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 exchanger	Type					Plate heat exchanger		
	Water volume				l	2		
Air heat exchanger	Type					High efficiency fin and tube type with integral subcooler		
Compressor	Type					Hermetically sealed swing inverter compressor		
	Quantity					1		
Fan	Type					Propeller fan		
	Quantity					1		
	Air flow rate	Cooling	Nom.		m^3/min	70	85	
Sound power level	Cooling	Nom.			dBA	67,0	69,0	
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/GWP					R-32/675,0		
	Control					Electronic expansion valve		
	Circuits	Quantity				1		
Refrigerant charge	Per circuit				kg	3,80		
	Per circuit				TCO_2Eq	2,6		
Unit	Running current	Max			A	14,0		
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400		

(1)Cooling: EW 12°C; LW 7°C; ambient conditions: 35°CDB | (2)Cooling: EW 23°C; LW 18°C; ambient conditions: 35°CDB; (3) EWAA-DW1P-H- has water piping heater tape (OP10) as standard

Air cooled mini inverter heat pump

- Inverter controlled swing compressor with refrigerant R-32
- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
- Application range cooling air side + 10°C to + 43°C
- Application range cooling water side + 5°C to + 22°C
- Application range heating air side -25°C to +25°C
- Application range heating water side +9°C to +60°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation

EWYA

Heating & Cooling				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	5,79	5,71	5,59
Space heating	Average climate water outlet 35°C	General	SCOP		4,82	4,73	4,70	4,69
			Seasonal space heating eff. class		A+++			
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)
Heating 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				Variable (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	870			
		Width		mm	1.380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48,0	55,8	70,4	85,0
Sound power level	Cooling	Nom.		dBA	65,5	67,0	69,0	
Sound pressure level	Cooling	Nom.		dBA	44,0	47,7	50,8	51,0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	9 ~60			
Refrigerant	Type/GWP				R-32/675,0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3,80			
	Per circuit			TCO_2Eq	2,6			
Unit	Running current	Max		A	30,8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			

(1)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 45°C (Dt=5°C)

Air cooled mini inverter heat pump

- Inverter controlled swing compressor with refrigerant R-32
- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
- Application range cooling air side + 10°C to + 43°C
- Application range cooling water side + 5°C to + 22°C
- Application range heating air side -25°C to +25°C
- Application range heating water side +9°C to +60°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation

EWYA

Heating & Cooling				EWYA-D	009DW1P	011DW1P	014DW1P	016DW1P
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	5,79	5,71	5,59
Space heating	Average climate water outlet 35°C	General	SCOP		4,82	4,73	4,70	4,69
			Seasonal space heating eff. class		A+++			
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)
Heating 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				Variable (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	870			
		Width		mm	1.380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48,0	55,8	70,4	85,0
Sound power level	Cooling	Nom.		dBA	65,5	67,0	69,0	
Sound pressure level	Cooling	Nom.		dBA	44,0	47,7	50,8	51,0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	9 ~60			
Refrigerant	Type/GWP				R-32/675,0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3,80			
	Per circuit			TCO_2Eq	2,6			
Unit	Running current	Max		A	14,0			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			

(1)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 45°C (Dt=5°C)

Air cooled mini inverter heat pump

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- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
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- Application range cooling water side + 5°C to + 22°C
- Application range heating air side -25°C to +25°C
- Application range heating water side +9°C to +60°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation
- Water piping heater tape (OP10) as standard for a better insulation of the hydraulic(5)

EWYA

Heating & Cooling				EWYA-D	009DV3P-H-	011DV3P-H-	014DV3P-H-	016DV3P-H-
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	5,79	5,71	5,59
Space heating	Average climate water outlet 35°C	General	SCOP		4,82	4,73	4,70	4,69
			Seasonal space heating eff. class		A+++			
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)
Heating 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				Variable (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	870			
		Width		mm	1.380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48,0	55,8	70,4	85,0
Sound power level	Cooling	Nom.		dBA	65,5	67,0	69,0	
Sound pressure level	Cooling	Nom.		dBA	44,0	47,7	50,8	51,0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	9 ~60			
Refrigerant	Type/GWP				R-32/675,0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3,80			
	Per circuit			TCO_2Eq	2,6			
Unit	Running current	Max		A	30,8			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/230			

(1)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 45°C (Dt=5°C) | (5) EWYA-DV3P-H- has water piping heater tape (OP10) as standard

Air cooled mini inverter heat pump

- Inverter controlled swing compressor with refrigerant R-32
- R-32 refrigerant: reduced environmental impact and 30% less refrigerant charge needed
- Application range cooling air side + 10°C to + 43°C
- Application range cooling water side + 5°C to + 22°C
- Application range heating air side -25°C to +25°C
- Application range heating water side +9°C to +60°C
- Compact design with built-in hydraulic kit: no buffer tank required, standard inverter driven pump, expansion vessel, main flow sensor and switch included
- Easy installation and maintenance
- Separate MMI-2 controller for indoor installation
- Water piping heater tape (OP10) as standard for a better insulation of the hydraulic(5)

EWYA

Heating & Cooling				EWYA-D	009DW1P-H-	011DW1P-H-	014DW1P-H-	016DW1P-H-
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	5,79	5,71	5,59
Space heating	Average climate water outlet 35°C	General	SCOP		4,82	4,73	4,70	4,69
			Seasonal space heating eff. class		A+++			
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)
Heating 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				Variable (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	870			
		Width		mm	1.380			
		Depth		mm	460			
Weight	Unit			kg	147			
Water heat exchanger	Type				Plate heat exchanger			
	Water volume			l	2			
Air heat exchanger	Type				High efficiency fin and tube type with integral subcooler			
Compressor	Type				Hermetically sealed swing inverter compressor			
	Quantity				1			
Fan	Type				Propeller fan			
	Quantity				1			
	Air flow rate	Cooling	Nom.	m^3/min	63	70	85	
		Heating	Nom.	m^3/min	48,0	55,8	70,4	85,0
Sound power level	Cooling	Nom.		dBA	65,5	67,0	69,0	
Sound pressure level	Cooling	Nom.		dBA	44,0	47,7	50,8	51,0
Operation range	Air side	Cooling	Min.~Max.	°CDB	10~43			
		Heating	Min.~Max.	°CDB	-25~25			
	Water side	Cooling	Min.~Max.	°CDB	5~22			
		Heating	Min.~Max.	°CDB	9 ~60			
Refrigerant	Type/GWP				R-32/675,0			
	Control				Electronic expansion valve			
	Circuits	Quantity			1			
Refrigerant charge	Per circuit			kg	3,80			
	Per circuit			TCO_2Eq	2,6			
Unit	Running current	Max		A	14,0			
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/400			

(1)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 45°C (Dt=5°C) | 5) EWYA-DW1P-H- has water piping heater tape (OP10) as standard

R-32 Mini Chillers

NEW Air cooled mini inverter chiller and heat pump with low GWP R-32

A very compact air cooled unit, available both in cooling only (EWAA-DA) and heat pump configurations (EWYA-DA). Thanks to its extended range from 11-16 kW it's a green and efficient solution for all those residential applications requiring compact units for comfort cooling and heating.

› Environmental friendly R-32 refrigerant
› Control possible via app or voice command
› Compact - reduced foot print
› Seasonal efficiency up to A+++
› Maximum leaving water temperature up to 60°C
› Easy installation and maintenance

Find out more: www.daikin-ce.com/minichiller

DAIKIN AIRCONDITIONING CENTRAL EUROPE HandelsgmbH

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