

## ECO G with water heat exchanger for chilled and hot water production

### Water heat exchanger (WHE) for hydronic applications.

WHE for ECO G system controlled by a timer remote control CZ-RTC5B.

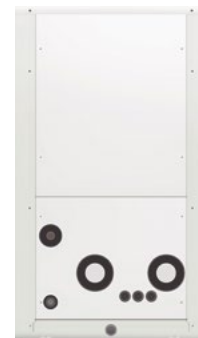
Energy-efficient capacity control is now ready.

Availability of easy vertical stacking allows installations in a limited space (up to 3 units)\*.

Stainless steel plate heat exchanger with anti-freeze protection control.

Change over between heating and cooling operation.

\* Stacking kit (PAW-3WSK) is necessary.



Hydrokit with A class water pump			PAW-500WP5G1	PAW-710WP5G1
Hydrokit without pump			PAW-500W5G1	PAW-710W5G1
Cooling capacity	kW		—	—
Cooling capacity [A +35 °C, outlet W 7 °C, inlet W 12 °C]	kW		50,0	67,0
EER [A +35 °C, outlet W 7 °C, inlet W 12 °C]	W/W		0,78	0,89
Heating capacity	kW		60,0	80,0
Heating capacity [A +7 °C, W 35 °C]	kW		60,9	81,2
COP [A +7 °C, W 35 °C]	W/W		1,15	1,18
Heating capacity [A +7 °C, W 45 °C]	kW		60,0	80,0
COP [A +7 °C, W 45 °C]	W/W		1,02	1,04
Heating capacity [A -7 °C, W 35 °C]	kW		48,2	50,8
COP [A -7 °C, W 35 °C]	W/W		0,80	0,80
Heating capacity [A -15 °C, W 35 °C]	kW		46,3	50,0
COP [A -15 °C, W 35 °C]	W/W		0,80	0,80
Refrigeration load Pdesign	kW		48,0	—
<b>Energy efficiency class at 35 °C<sup>1)</sup></b>			<b>A+</b>	<b>—</b>
<b>η<sub>s,h</sub> (LOT1)<sup>2)</sup></b>			<b>130,0%</b>	<b>128,0%</b>
Dimension	HxWxD	mm	1000 x 575 x 1110	1000 x 575 x 1110
Net weight		kg	155 (165 with pump)	160 (175 with pump)
Water pipe connector			Rp2 Female thread (50A)	Rp2 Female thread (50A)
Heating water flow [ΔT=5 K, 35 °C]	m <sup>3</sup> /h		10,32	13,76
Electric backup heater	kW		Not equipped	Not equipped
Flow switch			Equipped	Equipped
Water filter			Equipped	Equipped
Input power with A class water pump / without pump	kW		0,574 / 0,024	0,824 / 0,024
Maximum current with A class water pump / without pump	A		2,50 / 0,10	3,60 / 0,10
<b>Outdoor unit</b>			<b>U-20GE3E5</b>	<b>U-30GE3E5</b>
Sound power	Normal / Silent	dB(A)	80 / 77	84 / 81
Dimension	HxWxD	mm	2255 x 1650 x 1000	2255 x 2026 x 1000
Net weight		kg	765	880
Piping diameter	Liquid	Inch (mm)	5/8 (15,88)	3/4 (19,05)
	Gas	Inch (mm)	1-1/8 (28,58)	1-1/4 (31,75)
Pipe length range / Pipe length for nominal capacity		m	170 / 7	170 / 7
Elevation difference (in / out)		m	50 [OU above] 35 [OU below]	50 [OU above] 35 [OU below]
Refrigerant (R410A) / CO <sub>2</sub> Eq.		kg / T	11,50 / 24,00	11,50 / 24,00
Operating range	Heat Min ~ Max	°C	-21 ~ +24 (until outlet temperature 45)	-21 ~ +24 (until outlet temperature 45)
Water outlet temperature range	Cool Min ~ Max	°C	-15 ~ +15	-15 ~ +15
	Heat Min ~ Max	°C	+35 ~ +55	+35 ~ +55

1) Unit efficiency energy level: Scale from A+++ to D. 2) ErP test data. Seasonal space cooling / heating energy efficiency following COMMISSION REGULATION (EU) 813/2013.

Performance calculation in agreement with Eurovent. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height.

#### Accessories

**PAW-3WSK** Stacking kit for vertically stacking up to 3 WHE [4 pieces per Kit]

#### Technical focus

- Heating, cooling and DHW
- A class water pump included (only in P model)
- Installation up to 80 kW
- Free DHW from waste heat of engine
- Compatible with all centralized controllers
- Maximum distance between outdoor unit and WHE: 170 m
- Hot water outlet temperatures from 35 °C to 55 °C
- Chilled water outlet temperatures from -15 °C to +15 °C
- Minimum outdoor temperature in heating mode: -21 °C

