

ECOi 2-Pipe with water heat exchanger for chilled and hot water production

Water heat exchanger (WHE) for hydronic applications.

WHE for ECOi systems controlled by a CZ-RTC5B timer remote control.

Energy-efficient capacity control with superior external static pressure 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-250WP5G1	PAW-500WP5G1
Hydrokit without pump		PAW-250W5G1	PAW-500W5G1
Cooling capacity (A 35 °C, W 7 °C)	kW	25,0	50,0
Heating capacity	kW	28,0	56,0
Heating capacity (A +7 °C, W 45 °C)	kW	28,0	56,0
COP (A +7 °C, W 45 °C)	W/W	2,97	3,10
Energy efficiency class at 35 °C¹⁾		A++	A++
$\eta_{s,h}$ (LOT1)²⁾		152,0%	152,0%
Dimension	HxWxD	mm	1000 x 575 x 1110
Net weight		kg	135 (140 with pump)
Water pipe connector			Rp2 Female thread (50A)
Heating water flow ($\Delta T=5$ K, 35 °C)	m ³ /h		5,16
Electric backup heater	kW		Not equipped
Flow switch			Equipped
Water filter			Equipped
Input power with A class water pump / without pump	kW		0,329 / 0,024
Maximum current with A class water pump / without pump	A		1,43 / 0,10
Outdoor unit		U-10ME2E8	U-20ME2E8
Sound pressure		dB(A)	56
Dimension	HxWxD	mm	1842 x 770 x 1000
Net weight		kg	210
Piping diameter	Liquid	Inch (mm)	3/8(9,52)
	Gas	Inch (mm)	7/8 (22,22)
Pipe length range / Pipe length for nominal capacity	m		170 / 7,5
Elevation difference (in / out)	m		50 (OU above) 35 (OU below)
Pre-charged pipe length / Additional gas amount (R410A)	m / g/m		0 < / Refer to manual
Refrigerant (R410A) / CO ₂ Eq.	kg		5,6 (need additional gas amount at site)
Operating range	Heat Min ~ Max	°C	-11 ~ +15 ³⁾
Water outlet temperature range	Cool Min ~ Max	°C	+5 ~ +15
	Heat Min ~ Max	°C	+35 ~ +45

1) Unit efficiency energy level: Scale from A+++ to D. 2) Seasonal space cooling / heating energy efficiency following COMMISSION REGULATION (EU) 813/2013. 3) With accessory low temperature kit -25 ~ +15 °C. Available only as a spare part.

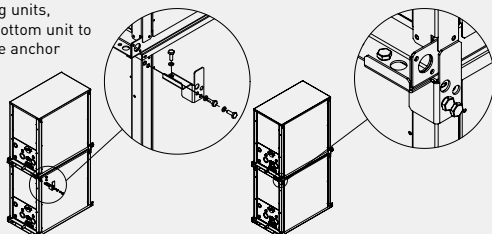
Performance calculation in agreement with Eurovent. Sound pressure measured at 1 m from the outdoor unit and at 1,5 m height.

Accessories

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

Stacking kit PAW-3WSK.

It is possible to stack up to 3 units. When stacking units, always anchor the bottom unit to the ground using the anchor holes.



Technical focus

- Heating, cooling and DHW
- A class water pump included (only in P model)
- Flexible modularity from 25 kW
- Better partial load vs standard chiller system
- Compatible with all centralized controllers
- Maximum distance between outdoor unit and WHE: 170 m
- Maximum hot water outlet temperature: 45 °C
- Minimum chilled water outlet temperature: 5 °C
- Outdoor temperature range in heating mode: -11 °C to +15 °C (with low temperature kit -25 °C*)

* Available as a spare part.

