



- A CLASS PUMP INCLUDED
- 4 WAY VALVE INCLUDED
- OPTIMIZED HEAT EXCHANGER
- 1,056 x 570 x 1,010 (H x W x D)
- WATER CONNECTIONS R2" F

The Panasonic solution for chilled and hot water production!

From 28 kW to 80 kW

Key benefits:

- No cascade installation up to 80 kW with GHP outdoor unit and 51.3 kW with ECOi
- Full line-up of outdoor units which can cover up to 80 kW heat demand
- Large choice of remote controls and interfaces
- 3.25 COP with water at 45°C and outdoor temperature of +7°C



With ECOi outdoor units

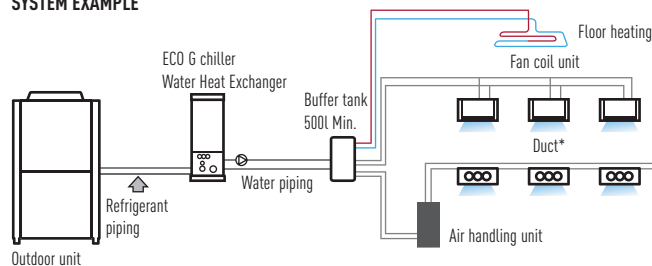
- Maximum hot water outlet temperature: 45°C
- Minimum chilled water outlet temperature: 5°C
- Outdoor temperature range in cooling mode: +5°C to +43°C
- Outdoor temperature range in heating mode: -11°C to +15°C

ECOi Water Heat Exchanger

Electrical VRF with Water Heat Exchanger

- With this easy to install Water Heat Exchanger unit, you can now cover projects up to 51 kW hot water demand or 44 kW on chilled application on a efficient way and cost effective.

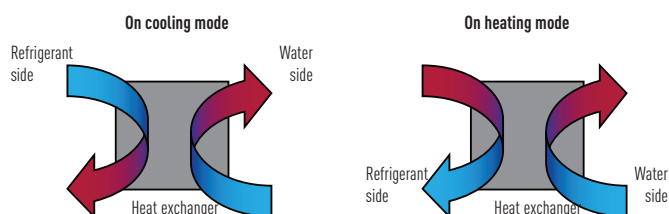
SYSTEM EXAMPLE



A Buffer Tank of minimum 500L is always needed.

New Electrical panel with new algorithm

- Optimized heat exchanger to increase drastically the efficiency
- Liquid receiver to outperform the functionality of the WHE
- Unique 4 way valve in order always have counterflow fluid circulation in heating and cooling fluid circulation on both sides of the cross flow. This optimizes efficiency!



Built in A class water pump with high efficiency and capacity

WHE	Power consumption	Water flow
S-250 / S-500	9 - 130W	4.3 / 8.6
S-710	12 - 310W	12.2

ECOi 2-PIPE WITH WATER HEAT EXCHANGER FOR CHILLED AND HOT WATER PRODUCTION

For hydronic Applications

Water Heat Exchanger for GHP and ECOi, dimensions reduced by 45 %. Operation and control by timer remote control CZ-RTC4. Energy-efficient capacity control. Stainless steel plate heat exchanger with anti-freeze protection control. Change-over between heating and cooling operation.

- A CLASS PUMP INCLUDED
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- OPTIMIZED HEAT EXCHANGER
- 1,010 X 570 X 960 (H x W x D)
- WATER CONNECTIONS R2" F



5 YEARS COMPRESSOR WARRANTY: Only for PRO partners.

Water Heat Exchanger*			PAW-250WX2E5	PAW-500WX2E5	PAW-710WX2E5
Nominal cooling capacity at 35 °C, water outlet 7 °C			25,0	50,0	67
Nominal heating capacity			28,0	56	75
Heating capacity at +7°C, heating water temperature at 45°C			28,0	56	75
COP at +7°C with heating water temperature at 45°C			3,25	3,10	3,32
Dimensions	H x W x D	mm	1,010 x 570 x 960	1,010 x 570 x 960	1,010 x 570 x 960
Net weight		kg	120	145	180
Water pipe connector			Rp2 Female Thread (50A)	Rp2 Female Thread (50A)	Rp2 Female Thread (50A)
A class pump			Included	Included	Included
Heating water flow (ΔT=5 K, 35°C)			m³/h	4,3	8,6
Capacity of integrated electric heater			kW	Not equipped	Not equipped
Input power			kW	0,01 + (min. 0,05 / max. 0,13 for water pump)	0,01 + (min. 0,19 / max. 0,31 for water pump)
Maximum current			A	0,07 + (min. 0,37 / max. 0,95 for water pump)	0,07 + (min. 0,85 / max. 1,37 for water pump)
Outdoor unit			U-10ME1E81	U-20ME1E81	U-12ME1E81 + U-14ME1E81
Sound pressure level			dB(A)	59	63
Sound power level			dB	73,5	77,5
Dimensions	H x W x D	mm	1,758 x 770 x 930	1,758 x 1,540 x 930	1,758 x 770 x 930 - 1,758 x 770 x 930
Net weight		kg	283	423	281 - 309
Piping connections	Liquid pipe	mm	22,22	28,58	25,40
	Gas pipe	mm	9,52	15,88	12,70
Refrigerant (R410A)			kg	6,3 *Need Additional charge at site	9,0 *Need Additional charge at site
Pipe length range			Max.	m	170
Pipe length for nominal capacity			m	7,5	7,5
Pipe length for additional gas			m	0 <	0 <
Additional charge (R410A)			g/m	Refer to manual	Refer to manual
Elevation difference (in/out)			m	50 (OD above) 35 (OD below)	50 (OD above) 35 (OD below)
Operation Range	Outdoor ambient	°C	-11 — +15 **	-11 — +15 **	-11 — +15 **
	Water outlet (at -2/-7/-15)²	°C	35 — 45	35 — 45	35 — 45

Rating Conditions: Cooling Indoor 27 °C DB / 19 °C WB. Cooling Outdoor 35 °C DB / 24 °C WB. Heating Indoor 20 °C DB. Heating Outdoor 7 °C DB / 6 °C WB.

DB: Dry Bulb; WB: Wet Bulb

** With accessory low temperature kit -25 -- +15°C

Performance calculation in agreement with Eurovent.

Sound pressure measured at 1 m from the outdoor unit and at 1.5-m height.



Technical focus

- Maximum distance between outdoor unit and Water Heat Exchanger: 170 m
- Maximum hot water outlet temperature: 45°C
- Minimum chilled water outlet temperature: 7°C
- Outdoor temperature range in cooling mode: +5°C to +43°C
- Outdoor temperature range in heating mode: -20°C to +15°C

Slim & Light design

Due to the unit's internal redesign, the width and weight are drastically reduced.

Installation space **45%** reduction

