

AQUAREA HT
BI-BLOC SINGLE PHASE /
THREE PHASE
HEATING ONLY - SHF



SEASONAL EFFICIENCY

PRODUCT READY FOR THE NEW ErP ECODESIGN REQUIREMENTS LOT 1

For a house with high temperature radiators (for example, cast iron radiators), the Aquarea High Temperature Solution is most suited as it provides output water temperatures of 65 °C even at -20 °C.

Aquarea HT is able to deliver water heated to 65 °C with the Heat Pump alone.

- Maximum hydraulic module output temperature: 65 °C
- Works down to -20 °C
- Maximum 30 m rise between the outdoor unit and the hydraulic module



WH-UH09DE5 WH-UH09DE8
 WH-UH12DE5 WH-UH12DE8

Technical focus

- **NEW!** Efficient control of room temperature based on the outdoor temperature, indoor temperature using the Aquarea Manager.
- Optional Smartphone control
- Range from 9 to 12 kW, Single and Three Phase

Aquarea Manager for all Aquarea.



PAW-A2W-RTWIRED: Wired LCD room thermostat with weekly timer.



PAW-A2W-RTWIRESLESS: Wireless LCD room thermostat with weekly timer.

Kit	Single Phase (Power to indoor)		Three Phase (Power to indoor)	
	KIT-WHF09DE5	KIT-WHF12DE5	KIT-WHF09DE8	KIT-WHF12DE8
Indoor unit	WH-SHF09D3E5*	WH-SHF12D6E5*	WH-SHF09D3E8*	WH-SHF12D9E8*
Outdoor unit	WH-UH09DE5	WH-UH12DE5	WH-UH09DE8	WH-UH12DE8
Heating Capacity at +7 °C with heating water at 35 °C	kW 9.17	11.58	9.00	12.00
COP at +7 °C with heating water at 35 °C	4.79	4.29	4.55	4.40
Heating Capacity at +2 °C with heating water at 35 °C	kW 8.90	11.48	9.00	12.00
COP at +2 °C with heating water at 35 °C	3.53	3.27	3.40	3.23
Heating Capacity at -7 °C with heating water at 35 °C	kW 9.78	11.91	9.00	12.00
COP at -7 °C with heating water at 35 °C	2.65	2.61	2.70	2.50
Heating Capacity at -15 °C with heating water at 35 °C	kW 9.02	11.20	9.00	12.00
COP at -15 °C with heating water at 35 °C	2.41	2.18	2.40	2.15
Heating Capacity at +7 °C with heating water at 65 °C	kW 9.00	12.00	9.00	12.00
COP at +7 °C with heating water at 65 °C	2.25	2.20	2.25	2.20
Heating Capacity at +2 °C with heating water at 65 °C	kW 9.00	10.30	9.00	10.30
COP at +2 °C with heating water at 65 °C	1.88	1.83	1.88	1.83
Heating Capacity at -7 °C with heating water at 65 °C	kW 8.90	9.60	8.90	9.60
COP at -7 °C with heating water at 65 °C	1.62	1.61	1.64	1.61
Heating Capacity at -15 °C with heating water at 65 °C	kW 7.80	8.00	7.80	8.00
COP at -15 °C with heating water at 65 °C	1.32	1.30	1.32	1.30
Indoor unit				
Dimensions / Weight	H x W x D	mm / kg	892 x 502 x 353 / 50	892 x 502 x 353 / 52
Water pipe connector			R 1 1/4	R 1 1/4
Pump	No. of Speed		3	3
	Input Power (Max.)	W	190	190
Heating water flow (ΔT=5 K, 35 °C)		l/min	25.8	34.4
Capacity of integrated electric heater		kW	3	6
Input Power		kW	1.98	2.73
Running and Starting current		A	9.5	13.0
Current 1 / Current 2 / Current 3		A	28.5 / 26.0 / -	29.0 / 26.0 / 13.0
Recommended Fuse		A		
Recommended power cable section		mm²		
Outdoor unit				
Sound pressure level / Sound power level		dB(A) / dB	49 / 53	50 / 53
Dimensions / Weight	H x W x D	mm / kg	1340 x 900 x 320 / 105	1340 x 900 x 320 / 105
Pipe diameter	Liquid / Gas	mm (Inch)	9.52 (3/8) / 15.88 (5/8)	9.52 (3/8) / 15.88 (5/8)
Refrigerant (R407C)		kg	2.99	2.99
Pipe length range		m	3 - 30	3 - 30
Pipe length for nominal capacity		m	7	7
Pipe length for additional gas		m	15	15
Additional gas amount (R407C)		g/m	70	70
l/D&O/D Height Difference		m	20	20
Operation range	Outdoor ambient	°C	-20 to 35	-20 to 35
Water outlet at -2/-7/-15		°C	25 - 65	25 - 65

Internet Control Ready INTERNET CONTROL	Output water 65 °C HIGH TEMP HEAT PUMP	High efficiency heating INVERTER+	Environmentally friendly refrigerant R407C	Down to -20 °C in heating mode OUTDOOR TEMPERATURE	Boiler connection RETROFIT	Solar panels connection SOLAR KIT	Domestic hot water DHW	Easy control by BMS CONNECTIVITY	5 year compressor warranty
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COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.

* Tentative specifications.