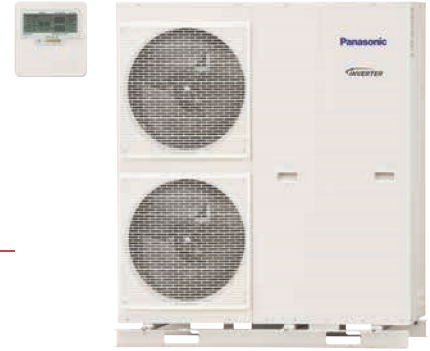


AQUAREA G GENERATION HT MONO-BLOC SINGLE PHASE / THREE PHASE. HEATING ONLY - MHF



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

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.

Technical focus

- Efficient control of room temperature based on the outdoor temperature, indoor temperature using the Aquarea Manager.
- Optional Smartphone control
- Range from 9 to 12kW, Single and Three Phase
- Maximum hydraulic module output temperature: 65°C
- Works at temperatures as low as -20°C

Outdoor Unit	Single Phase		Three Phase		
	WH-MHF09G3E5	WH-MHF12G6E5	WH-MHF09G3E8	WH-MHF12G9E8	
Heating capacity at +7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +7°C (heating water at 35°C)	W/W	4.64	4.46	4.64	4.46
Heating capacity at +2°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at +2°C (heating water at 35°C)	W/W	3.45	3.26	3.45	3.26
Heating capacity at -7°C (heating water at 35°C)	kW	9.00	12.00	9.00	12.00
COP at -7°C (heating water at 35°C)	W/W	2.74	2.52	2.14	2.52
Heating capacity at +7°C (heating water at 65°C)	kW	9.00	12.00	9.00	12.00
COP at +7°C (heating water at 65°C)	W/W	2.27	2.22	2.29	2.22
Heating capacity at +2°C (heating water at 65°C)	kW	9.00	10.30	9.00	10.30
COP at +2°C (heating water at 65°C)	W/W	1.89	1.84	1.89	1.84
Heating capacity at -7°C (heating water at 65°C)	kW	8.90	9.60	8.90	9.60
COP at -7°C (heating water at 65°C)	W/W	1.63	1.62	1.63	1.62
Energy Efficiency Class at 35°C		A++	A++	A++	A++
Energy Efficiency Class at 55°C		A++	A++	A++	A++
Sound pressure	dB(A)	51	52	51	52
Sound power level	dB	68	69	68	69
Dimensions	H x W x D	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Weight	kg	151	151	162	162
Refrigerant (R407C) ¹	kg / TCO ₂ Eq.	1.92 / 3.406	1.92 / 3.406	2.22	2.22
Water pipe connector		R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4
Pump	Number of speeds	7	7	7	7
	Input power (Min / Max)	W	—	—	—
Heating water flow (ΔT=5 K, 35°C)	l/min	25.8	34.4	25.8	34.4
Capacity of integrated electric heater	kW	3	6	3	9
Input Power	kW	1.94	2.69	1.94	2.69
Running and Starting current	A	9.3	12.8	3.0	4.1
Current 1	A	28.5	29.0	14.5	10.8
Current 2	A	13.0	26.0	13.0	13.0
Recommended Fuse	A	30 / 30	30 / 30	16 / 16	16 / 16
Recommended cable size, supply 1 & 2	mm ²	3 x 4.0 or 6.0 / 3 x 4.0	3 x 4.0 or 6.0 / 3 x 4.0	5 x 1.5 / 3 x 1.5	5 x 1.5 / 5 x 1.5
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet		°C	25 ~ 65	25 ~ 65	25 ~ 65

Accessories

PAW-TE18E3STD-UK	180L Standard Heat Pump Tank
PAW-TE30E3STD-UK	300L Standard Heat Pump Tank
PAW-TE18C2E3STD-UK	180L Standard Twin coil Heat Pump Tank
PAW-TE30C2E3STD-UK	300L Standard Twin coil Heat Pump Tank
CZ-TK1	Temperature sensor for 3rd party tank
PAW-3WYVLV-SI	3 way valve

Accessories

PAW-BTANK50L	Buffer tank 50L
PA-AW-WIFI-1TE	Wifi interface
PAW-A2W-BIV	Bivalent control
PAW-FILTER	Filter
PAW-A2W-RTWIRED	Room thermostat

COP classification is at 230V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1m from the outdoor unit and at 1.5m height. Heating sound pressure measured at +7°C (heating water at 55°C). Performance in agreement with EN14511. 1) WH-MHF models are hermetically sealed.



INTERNET CONTROL: Optional. 5 YEARS COMPRESSOR WARRANTY AND EXTENDED 7 YEARS COST OPTION: Exclusively for PRO Partners. MCS APPROVED PRODUCT: For full MCS approved product list please go to www.microgenerationcertification.org/consumers or www.aircon.panasonic.co.uk/CB_en/downloads/others.