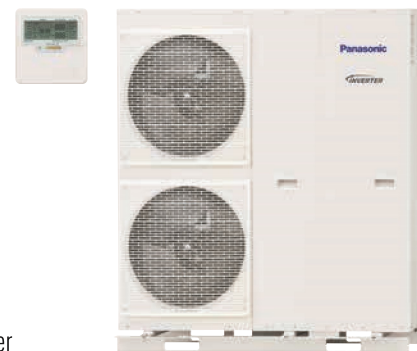


AQUAREA G GENERATION T-CAP MONO-BLOC SINGLE PHASE / THREE PHASE. HEATING AND COOLING - MXC



The MXC is ideal for residential properties which don't have an external boiler and require a maintained capacity level.

solar kit in order to increase efficiency and minimise the impact on the ecosystem. Finally, it is possible to connect a thermostat for even better heating or cooling control and management.

T-CAP stands for Total Capacity. This line-up is able to maintain the same nominal capacity even at -15°C without the help of an electrical booster heater. T-CAP is also able to provide extremely high efficiency, regardless of the outside temperature or the water temperature. The MXC adapts well in an existing installation with a boiler backup, and in a new application with underfloor heating, low temperature radiators or even fan-coil heaters. This range can also be connected to a

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 16kW, Single and Three Phase
- Maximum hydraulic module output temperature: 55°C
- Works at temperatures as low as -20°C
- Cooling temperature range 5 ~ 20°C

			Single Phase		Three Phase		
Outdoor Unit			WH-MXC09G3E5	WH-MXC12G6E5	WH-MXC09G3E8	WH-MXC12G9E8	WH-MXC16G9E8
Heating capacity at +7°C (heating water at 35°C)	kW		9.00	12.00	9.00	12.00	16.00
COP at +7°C (heating water at 35°C)	W/W		4.84	4.74	4.84	4.74	4.28
Heating capacity at +2°C (heating water at 35°C)	kW		9.00	12.00	9.00	12.00	16.00
COP at +2°C (heating water at 35°C)	W/W		3.59	3.44	3.59	3.44	3.10
Heating capacity at -7°C (heating water at 35°C)	kW		9.00	12.00	9.00	12.00	16.00
COP at -7°C (heating water at 35°C)	W/W		2.85	2.72	2.85	2.72	2.49
Cooling capacity at 35°C (cooling water at 7°C)	kW		7.00	10.00	7.00	10.00	12.20
EER at 35°C (cooling water at 7°C)	W/W		3.17	2.81	3.17	2.81	2.56
Energy Efficiency Class at 35°C			A++	A++	A++	A++	A++
Energy Efficiency Class at 55°C			A++	A++	A++	A++	A++
Sound pressure	Heating / Cooling	dB(A)	51 / 49	52 / 50	51 / 49	52 / 50	55 / 54
Sound power level	Heating / Cooling	dB	68 / 67	69 / 68	68 / 67	69 / 68	72 / 72
Dimensions	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Weight		kg	148	148	155	155	168
Refrigerant (R410A) ¹		kg / TCO ₂ Eq.	2.30 / 4.802	2.30 / 4.802	2.30 / 4.802	2.30 / 4.802	2.35 / 4.907
Water pipe connector			R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4
Pump	Number of speeds		7	7	7	7	7
	Input power (Min / Max)	W	32 / 102	34 / 110	32 / 102	34 / 110	38 / 120
Heating water flow (ΔT=5 K, 35°C)		l/min	25.8	34.4	25.8	34.4	45.9
Capacity of integrated electric heater		kW	3	6	3	9	9
Input Power	Heating	kW	1.86	2.53	1.86	2.53	3.74
	Cooling	kW	2.21	3.56	2.21	3.56	4.76
Running and Starting current	Heating	A	8.6	11.7	2.8	3.8	5.7
	Cooling	A	10.2	16.5	3.4	5.3	7.2
Current 1		A	25.0	29.0	14.7	11.9	15.5
Current 2		A	13.0	26.0	13.0	13.0	13.0
Recommended Fuse		A	30 / 30	30 / 30	16 / 16	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	5 x 1.5 / 5 x 1.5
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
	Heating	°C	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55	25 ~ 55
Water outlet	Heating	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20
	Cooling	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20

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-3WVVLV-SI	3 way valve

Accessories

PAW-BTANK50L	Buffer tank 50L
PA-AW-WIFI-1TE	Wifi interface
PAW-AZW-BIV	Bivalent control
PAW-FILTER	Filter
PAW-AZW-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-MXC 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/GB_en/downloads/others.