

Aquarea T-CAP Mono-bloc J Generation 1 phase / 3 phase. Heating and Cooling - MXC R32

Aquarea, an innovative new low-energy system based on Air to Water heat pump technology

Aquarea warms your home effectively and efficiently, even with extreme outdoor temperatures. Aquarea can also cool space in summer and bring hot water all year round.

Aquarea T-CAP is the range for retrofit and new builds, keeping Total Capacity even at extremely cold ambient.

The Mono-bloc system: It is only an outdoor unit. The installation doesn't require refrigerant connections, as the unit is directly connected to the heating and/or hot water circuits.

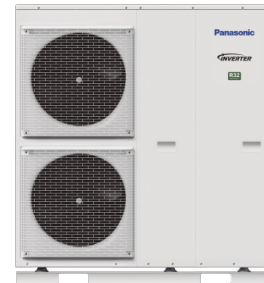
Energy efficiency: A+++ in heating at 35°C / ?A? water pump with variable speed / Built-in flow meter.

Flexibility: Built-in magnetic water filter.

Comfort: Constant capacity and operation range down to -20°C / 65°C water outlet temperature.

Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).

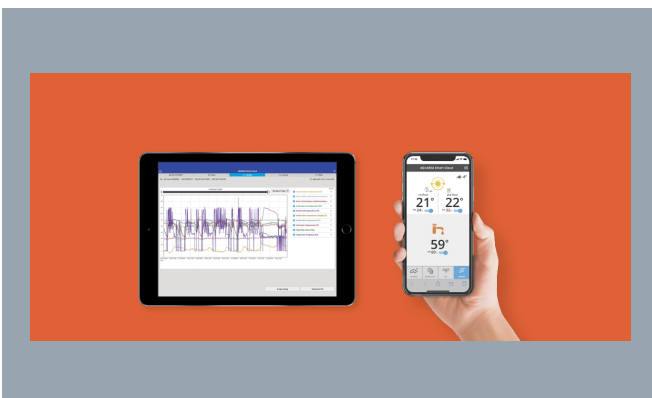
Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.



Range of fan coil units provide a higher level and performance

The fan coil range consists of a compact ducted range ideal for residential and commercial use and one model with high static pressure for commercial applications.

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Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

[FOR INSTALLERS / MAINTENANCE](#)



Aquarea T-CAP Mono-bloc J Generation R32

For retrofit and new builds, Aquarea T-CAP is the ideal solution for those installations where the output capacity is demanding.

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Aquarea T-CAP Mono-bloc J Generation 1 phase / 3 phase. Heating and Cooling - MXC R32		SINGLE PHASE
		12 kW
Outdoor unit		WH-MXC12J6E5
Heating capacity (A +7°C, W 35°C)	kW	12,00
COP (A +7°C, W 35°C)		4,80
Heating capacity (A +7°C, W 55°C)	kW	12,00
COP (A +7°C, W 55°C)		3,05
Heating capacity (A +2°C, W 35°C)	kW	12,00
COP (A +2°C, W 35°C)		3,53
Heating capacity (A +2°C, W 55°C)	kW	12,00
COP (A +2°C, W 55°C)		2,42
Heating capacity (A -7°C, W 35°C)	kW	12,00
COP (A -7°C, W 35°C)		2,82
Heating capacity (A -7°C, W 55°C)	kW	12,00
COP (A -7°C, W 55°C)		2,00
Cooling capacity (A 35°C, W 7°C)	kW	12,00
EER (A 35°C, W 7°C)		2,90
Cooling capacity (A 35°C, W 18°C)	kW	12,00
EER (A 35°C, W 18°C)		3,95
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	η _s %	195 / 140
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,96 / 3,57
Heating average climate. Energy class (W 35°C / W 55°C)	A+++ to D	A+++ / A++
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	η _s %	256 / 171
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	6,47 / 4,34
Heating warm climate. Energy class (W 35°C / W 55°C)	A+++ to D	A+++ / A+++
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	η _s %	169 / 127
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,31 / 3,26
Heating cold climate. Energy class (W 35°C / W 55°C)	A+++ to D	A++ / A++
Outdoor sound power (Heat) (1)	dB(A)	65
Outdoor dimension (Height)	mm	1410
Outdoor dimension (Width)	mm	1283
Outdoor dimension (Depth)	mm	320
Outdoor net weight	kg	140
Refrigerant (R32) / CO2 Eq. (2)	kg / T	1,60 / 1,080
Water pipe connector	Inch	R 1¼
Pump (Number of speeds)		Variable Speed
Pump (Input power Min)	W	34
Pump (Input power Max)	W	110
Heating water flow (ΔT=5 K, 35°C)	L/min	34,4
Capacity of integrated electric heater	kW	6
Input power (Heat)	kW	2,50
Input power (Cool)	kW	4,14
Running and starting current (Heat)	A	11,6
Running and starting current (Cool)	A	19,1
Current 1	A	29,0
Current 2	A	26,0
Outdoor recommended fuse, supply 1	A	30
Outdoor recommended fuse, supply 2	A	30
Recommended cable size, supply 1	mm ²	3 x 4,0 or 6,0
Recommended cable size, supply 2	mm ²	3 x 4,0
Operation range - outdoor temperature (Heat)	°C	-20 ~ +35
Operation range - outdoor temperature (Cool)	°C	10 ~ +43
Water outlet (Heat) (3)	°C	20 ~ 65
Water outlet (Cool) (3)	°C	5 ~ 20

1) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7°C.

2) WH-MXC models are hermetically sealed.

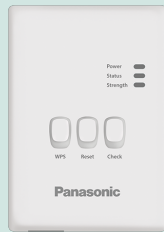
3) It is possible to set temperature by 65°C on remote controller. Normally, outlet water temperature is 60°C or lower. In case of ΔT setting with remote controller is 15°C and the outdoor ambient temperature is 5 to 20°C, outlet water temperature 65°C is possible.

*EER and COP calculation is based in accordance to EN14511.

Complementary products



PAW-3WYVLV-HW. 3 way valve for DHW Tanks.



CZ-TAW1. Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN.



PAW-A2W-RTWIRELES S. Wireless LCD room thermostat with weekly timer.



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



PAW-TD20C1E5 (Stainless Steel Tank)