

## 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.

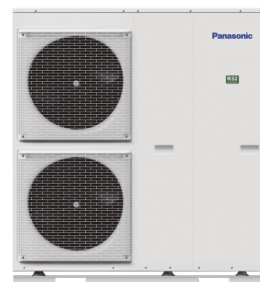
**Energy efficiency:** A+++ in heating at 35°C / "A" water pump with variable speed / Built-in flow meter.

**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).

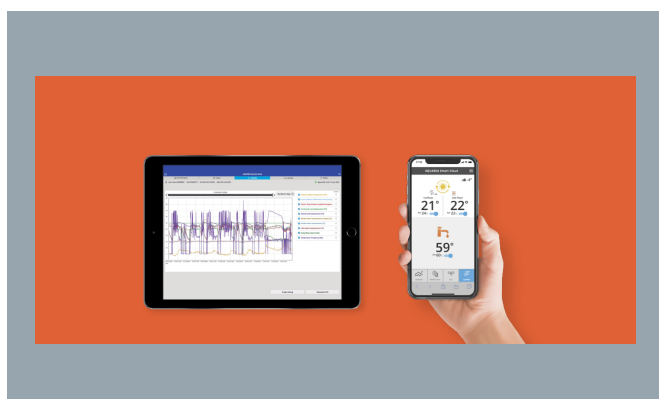
**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



#### 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.

[FIND OUT MORE](#)



#### Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

[FOR INSTALLERS / MAINTENANCE](#)



**Aquarea with R32 Refrigerant.**  
**A small change that changes everything.**

[MORE ABOUT AQUAREA R32](#)



**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.

[FIND OUT MORE ABOUT AQUAREA FAN COIL](#)

[MORE FAN COIL OPTIONS IN CHILLERS SECTION](#)



**Heat Recovery Ventilation unit for a low-energy house**

Ventilation systems with heat recovery offer users a high degree of living comfort thanks to temperature controlled and clean air.

[FIND OUT MORE](#)

Aquarea T-CAP Mono-bloc J Generation 1 phase / 3 phase. Heating and Cooling - MXC R32		SINGLE PHASE		THREE PHASE		
		9 kW	12 kW	9 kW	12 kW	16 kW
Outdoor unit		WH-MXC09J3E5	WH-MXC12J6E5	WH-MXC09J3E8	WH-MXC12J9E8	WH-MXC16J9E8
Heating capacity (A +7°C, W 35°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A +7°C, W 35°C)		5,08	4,80	—	—	—
Heating capacity (A +7°C, W 55°C)	kW	9,00	12,00	—	—	—
COP (A +7°C, W 55°C)		3,08	3,05	—	—	—
Heating capacity (A +2°C, W 35°C)	kW	9,00	12,00	9,00	12,00	16,00
COP (A +2°C, W 35°C)		3,81	3,53	—	—	—
Heating capacity (A +2°C, W 55°C)	kW	9,00	12,00	—	—	—
COP (A +2°C, W 55°C)		2,54	2,42	—	—	—
Heating capacity (A -7°C, W 35°C)	kW	9,00	12,00	—	—	—
COP (A -7°C, W 35°C)		3,08	2,82	—	—	—
Heating capacity (A -7°C, W 55°C)	kW	9,00	12,00	—	—	—
COP (A -7°C, W 55°C)		2,12	2,00	—	—	—
Cooling capacity (A 35°C, W 7°C)	kW	9,00	12,00	9,00	12,00	14,50
EER (A 35°C, W 7°C)		3,18	2,90	—	—	—
Cooling capacity (A 35°C, W 18°C)	kW	9,00	12,00	—	—	—
EER (A 35°C, W 18°C)		4,62	3,95	—	—	—
Heating average climate. Seasonal energy efficiency $\eta$ (W 35°C / W 55°C)	$\eta_s$ %	195 / 140	195 / 140	—	—	—
Heating average climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	4,96 / 3,57	4,96 / 3,57	—	—	—
Heating average climate. Energy class (W 35°C / W 55°C)	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A++ / A++
Heating warm climate. Seasonal energy efficiency $\eta$ (W 35°C / W 55°C)	$\eta_s$ %	256 / 171	256 / 171	—	—	—
Heating warm climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	6,47 / 4,34	6,47 / 4,34	—	—	—
Heating warm climate. Energy class (W 35°C / W 55°C)	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++

Aquarea T-CAP Mono-bloc J Generation 1 phase / 3 phase. Heating and Cooling - MXC R32		SINGLE PHASE		THREE PHASE		
		9 kW	12 kW	9 kW	12 kW	16 kW
Heating cold climate. Seasonal energy efficiency $\eta$ (W 35°C / W 55°C)	$\eta_s$ %	169 / 127	169 / 127	—	—	—
Heating cold climate. Seasonal energy efficiency SCOP (W 35°C / W 55°C)	SCOP	4,31/ 3,26	4,31 / 3,26	—	—	—
Heating cold climate. Energy class (W 35°C / W 55°C)	A+++ to D	A++ / A++	A++ / A++	A++ / A++	A++ / A++	A++ / A++
Outdoor sound power (Heat) (1)	dB(A)	65	65	65	65	66
Outdoor dimension (Height)	mm	1410	1410	1410	1410	1410
Outdoor dimension (Width)	mm	1283	1283	1283	1283	1283
Outdoor dimension (Depth)	mm	320	320	320	320	320
Outdoor net weight	kg	140	140	151	151	164
Refrigerant (R32) / CO2 Eq. (2)	kg / T	1,60 / 1,080	1,60 / 1,080	1,60 / 1,080	1,60 / 1,080	1,80 / 1,215
Water pipe connector	Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
Pump (Number of speeds)		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
Pump (Input power Min)	W	32	34	32	34	38
Pump (Input power Max)	W	102	110	102	110	120
Heating water flow ( $\Delta T=5$ 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 (Heat)	kW	1,77	2,50	1,77	2,50	—
Input power (Cool)	kW	2,83	4,14	2,83	4,14	—
Running and starting current (Heat)	A	8,3	11,6	—	—	—
Running and starting current (Cool)	A	13,1	19,1	—	—	—
Current 1	A	29,0	29,0	14,7	11,9	15,5
Current 2	A	13,0	26,0	13,0	13,0	13,0
Outdoor recommended fuse, supply 1	A	30	30	20	20	20
Outdoor recommended fuse, supply 2	A	30	30	16	20	20
Recommended minimum cable size, supply 1	mm <sup>2</sup>	3 x 4,0 or 6,0	3 x 4,0 or 6,0	5 x 1,5	5 x 1,5	5 x 1,5
Recommended minimum cable size, supply 2	mm <sup>2</sup>	3 x 4,0	3 x 4,0	3 x 2,5	5 x 1,5	5 x 1,5
Operation range - outdoor temperature (Heat)	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35

Aquarea T-CAP Mono-bloc J Generation 1 phase / 3 phase. Heating and Cooling - MXC R32		SINGLE PHASE		THREE PHASE		
		9 kW	12 kW	9 kW	12 kW	16 kW
Operation range - outdoor temperature (Cool)	°C	10 ~ +43	10 ~ +43	10 ~ +43	10 ~ +43	10 ~ +43
Water outlet (Heat) (3)	°C	20 ~ 65	20 ~ 65	20 ~ 65	20 ~ 65	20 ~ 65
Water outlet (Cool) (3)	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	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

