

WH-MXC16H9E8

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: This only has an outdoor unit. The installation doesn    t require a refrigerated connection and is only connected to the heating and/or hot water.

- High energy Class A++
- Constant capacity down to -20  C
- Maximum hydraulic module output temperature: 60  C
- Works at temperatures as low as -20  C
- Special software for low consumption homes with minimum output temperature: 20  C
- Built-in magnet water filter and flow meter, and automatic air purge valve
- Domestic hot water with external tank
- Cloud control and service with CZ-TAW1
- Easy-to- use remote controller



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Air to water heat pump

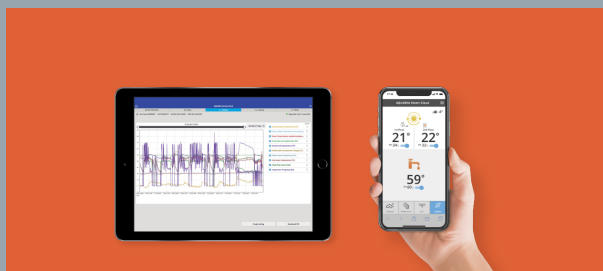
Heating, cooling and domestic hot water systems for a green future.

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Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

[FOR INSTALLERS / MAINTENANCE](#)





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 T-CAP Mono-bloc H Generation 1 Phase / 3 Phase • R410A		TROFAZNO
		16 kW
Outdoor unit		WH-MXC16H9E8
Heating capacity (A +7°C, W 35°C)	kW	16,00
COP (A +7°C, W 35°C)		4,28
Heating capacity (A +7°C, W 55°C)	kW	16,00
COP (A +7°C, W 55°C)		2,71
Heating capacity (A +2°C, W 35°C)	kW	16,00
COP (A +2°C, W 35°C)		3,10
Heating capacity (A +2°C, W 55°C)	kW	16,00
COP (A +2°C, W 55°C)		2,13
Heating capacity (A -7°C, W 35°C)	kW	16,00
COP (A -7°C, W 35°C)		2,49
Heating capacity (A -7°C, W 55°C)	kW	16,00
COP (A -7°C, W 55°C)		1,86
Cooling capacity (A 35°C, W 7°C)	kW	12,20
EER (A 35°C, W 7°C)		2,56
Cooling capacity (A 35°C, W 18°C)	kW	12,20
EER (A 35°C, W 18°C)		3,49
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	160 / 125
Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	4,08 / 3,20
Heating average climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A++
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	231 / 159
Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	5,85 / 4,05
Heating warm climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A+++ / A+++

Aquarea T-CAP Mono-bloc H Generation 1 Phase / 3 Phase • R410A		TROFAZNO
		16 kW
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	ηs %	150 / 125
Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C)	SCOP	3,83 / 3,20
Heating cold climate. Energy class (W 35°C / W 55°C) (1)	A+++ to D	A++ / A++
Outdoor sound power part load (Heat) (1)	dB(A)	66
Outdoor sound power full load (Heat)	dB(A)	72
Outdoor sound power full load (Cool)	dB(A)	71
Outdoor dimension (Height)	mm	1410
Outdoor dimension (Width)	mm	1283
Outdoor dimension (Depth)	mm	320
Outdoor net weight	kg	164
Refrigerant (R32) / CO2 Eq. (2)	kg / T	2,35 / 4,907
Refrigerant (R410A) / CO2 Eq. (2)	kg / T	2,35 / 4,907
Water pipe connector	Inch	R 1¼
Pump (Number of speeds)		Variable Speed
Pump (Input power Min)	W	38
Pump (Input power Max)	W	120
Heating water flow (ΔT=5 K. 35°C)	L/min	45,90
Capacity of integrated electric heater	kW	9,00
Input power (Heat)	kW	3,74
Input power (Cool)	kW	4,76
Running and starting current (Heat)	A	5,7
Running and starting current (Cool)	A	7,1
Current 1	A	15,5
Current 2	A	13
Indoor recommended fuse	A	16 / 16
Recommended cable size, supply 1	mm²	5 x 1,5

Aquarea T-CAP Mono-bloc H Generation 1 Phase / 3 Phase • R410A		TROFAZNO
		16 kW
Recommended cable size, supply 2	mm ²	5 x 1,5
Operation range - outdoor temperature (Heat)	°C	-20 ~ +35
Water outlet (Heat)	°C	20 ~ 60
Water outlet (Cool)	°C	5 ~ 20

(1) Sound power in accordance to 8112013,81312013 and EN12102-1:2017 at +7°C.

(2) WH-MXC models are hermetically sealed.

EER and COP calculation is based in accordance to EN14511.

Complementary products

