

Aquarea T-CAP Mono-bloc H Generation

Single Phase / Three Phase.

Heating and Cooling - MXC • R410A Gas



Technical focus

- Optional Smartphone control
- Maximum hydraulic module output temperature: 55°C
- Works at temperatures as low as -20°C
- Cooling temperature range 5 ~ 20°C



CZ-TAW1
Cloud connection. For user control and installer remote maintenance.

			Single Phase			Three Phase		
Outdoor unit			WH-MXC09H3E5	WH-MXC12H6E5	WH-MXC09H3E8	WH-MXC12H9E8	WH-MXC16H9E8	
Heating capacity / COP [A +7°C, W 35°C]		kW / COP	9,00/4,84	12,00/4,74	9,00/4,84	12,00/4,74	16,00/4,28	
Heating capacity / COP [A +7°C, W 55°C]		kW / COP	9,00/2,94	12,00/2,88	9,00/2,94	12,00/2,88	16,00/2,71	
Heating capacity / COP [A +2°C, W 35°C]		kW / COP	9,00/3,59	12,00/3,44	9,00/3,59	12,00/3,44	16,00/3,10	
Heating capacity / COP [A +2°C, W 55°C]		kW / COP	9,00/2,21	12,00/2,19	9,00/2,21	12,00/2,19	16,00/2,13	
Heating capacity / COP [A -7°C, W 35°C]		kW / COP	9,00/2,85	12,00/2,72	9,00/2,85	12,00/2,72	16,00/2,49	
Heating capacity / COP [A -7°C, W 55°C]		kW / COP	9,00/2,02	12,00/1,92	9,00/2,02	12,00/1,92	16,00/1,86	
Cooling capacity / EER [A 35°C, W 7°C]		kW / EER	7,00/3,17	10,00/2,81	7,00/3,17	10,00/2,81	12,20/2,56	
Cooling capacity / EER [A 35°C, W 18°C]		kW / EER	7,00/5,19	10,00/5,13	7,00/5,19	10,00/5,13	12,20/3,49	
Seasonal energy efficiency - Heating Average Climate [W35°C / W55°C]		ETA %	181/130	170/130	181/130	170/130	160/125	
		SCOP	4,60/3,33	4,33/3,33	4,60/3,33	4,33/3,33	4,08/3,20	
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾		A++ to G	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾		A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	
Seasonal energy efficiency - Heating Warm Climate [W35°C / W55°C]		ETA %	235/158	231/158	235/158	231/158	231/159	
		SCOP	5,95/4,03	5,85/4,03	5,95/4,03	5,85/4,03	5,85/4,05	
Energy Class Heating Warm Climate [W35°C / W55°C]		A++ to G	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Energy Class Heating Warm Climate [W35°C / W55°C]		A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	
Seasonal energy efficiency - Heating Cold Climate [W35°C / W55°C]		ETA %	160/125	160/125	160/125	160/125	150/125	
		SCOP	4,08/3,20	4,08/3,20	4,08/3,20	4,08/3,20	3,83/3,20	
Energy Class Heating Cold Climate [W35°C / W55°C]		A++ to G	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Energy Class Heating Cold Climate [W35°C / W55°C]		A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	
Sound power full load	Heat / Cool	dB	68/67	69/68	68/67	69/68	72/71	
Dimension	HxWxD	mm	1410x1283x320	1410x1283x320	1410x1283x320	1410x1283x320	1410x1283x320	
Net weight		kg	142	142	151	151	164	
Refrigerant (R410A) / CO ₂ Eq. ²⁾		kg / T	2,30/4,802	2,30/4,802	2,30/4,802	2,30/4,802	2,35/4,907	
Water pipe connector		Inch	R1	R1	R1	R1	R1	
Pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed	
	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	Heat	kW	1,86	2,53	1,86	2,53	3,74	
	Cool	kW	2,21	3,56	2,21	3,56	4,76	
Running and Starting current	Heat	A	8,8	11,7	3,0	4,0	5,7	
	Cool	A	10,4	16,5	3,5	5,3	7,1	
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	
Recommended fuse		A	30/30	30/30	16/16	16/16	16/16	
Recommended cable size, supply 1 / 2		mm²	3x4,0or6,0/3x4,0	3x4,0or6,0/3x4,0	5x1,5/3x1,5	5x1,5/5x1,5	5x1,5/5x1,5	
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	
	Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	
Water outlet	Heat	°C	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	20 ~ 60	
	Cool	°C	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	5 ~ 20	
3rd Party tested Sound power at Quiet Mode 3 ³⁾			dB	62	64	62	64	65

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Accessories

PAW-TD20C1E5	Tank 200L - Stainless steel
PAW-TD30C1E5	Tank 300L - Stainless steel
PAW-TA20C1E5STD	Tank 200L - Enamelled
PAW-TA30C1E5STD	Tank 300L - Enamelled
PAW-3WYVLY-SI	3 way valve

Accessories

PAW-BTANK50L-1	Buffer tank 50L
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
PAW-A2W-RTWIRED	Room thermostat

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

1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) WH-MXC models are hermetically sealed. 3) Third party tested sound power at Quiet mode 3 [A +7°C, W 55°C].



INTERNET CONTROL: Optional.