

Aquarea T-CAP All in One H Generation

Single Phase / Three Phase.

Heating and Cooling • R410A Gas



**GOOD
DESIGN
AWARD
2017**

Technical focus

- Works at temperatures as low as -28°C • Constant capacity up to -20°C
- Reduced installation costs • Reduced installation time and minimised installation errors • Easy remote controller to set up • Electrical connections at the front • Easier installation and maintenance • Remote controller functions (cooling mode activation possible by software. This activation can only be done by service partner)



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

			Single Phase (Power to indoor)		Three Phase (Power to indoor)		
Kit			KIT-AXC09HE5	KIT-AXC12HE5	KIT-AXC09HE8	KIT-AXC12HE8	KIT-AXC16HE8
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	12,20/2,57
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++
Indoor unit			WH-ADC1216H6E5	WH-ADC1216H6E5	WH-ADC0916H9E8	WH-ADC0916H9E8	WH-ADC0916H9E8
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension / Net weight	HxWxD	mm / kg	1800x598x717/124	1800x598x717/124	1800x598x717/126	1800x598x717/126	1800x598x717/126
Water pipe connector		Inch	R1	R1	R1	R1	R1
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	36/152	36/152	36/152	36/152	36/152
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	6	6	9	9	9
Recommended fuse		A	30/30	30/30	16/16	16/16	16/16
Recommended cable size, supply 1 & 2		mm²	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/5x1,5	5x1,5/5x1,5	5x1,5/5x1,5
Water volume		L	185	185	185	185	185
Maximum water temperature		°C	65	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			L	L	L	L	L
DHW Tank ERP Average climate efficiency rating ²⁾	A to G / A+ to F	A/A	A/A	A/A	A/A	A/A	A/A
DHW Tank ERP Warm climate efficiency rating ²⁾	A to G / A+ to F	A/A	A/A	A/A	A/A	A/A	A/A
DHW Tank ERP Cold climate efficiency rating ²⁾	A to G / A+ to F	A/A	A/A	A/A	A/A	A/A	B/B
DHW Tank ERP Average climate ETA / SCOP	ETA % / SCOP	95/2,38	95/2,38	95/2,38	95/2,38	95/2,38	91/2,28
DHW Tank ERP Warm climate ETA / SCOP	ETA % / SCOP	110/2,75	110/2,75	110/2,75	110/2,75	110/2,75	107/2,68
DHW Tank ERP Cold climate ETA / SCOP	ETA % / SCOP	75/1,88	75/1,88	75/1,88	75/1,80	75/1,80	72/1,88
Outdoor unit			WH-UX09HE5	WH-UX12HE5	WH-UX09HE8	WH-UX12HE8	WH-UX16HE8
Sound power full load	Heat / Cool	dB	68/67	69/68	68/67	69/68	72/71
Dimension / Net weight	HxWxD	mm / kg	1340x900x320/101	1340x900x320/101	1340x900x320/108	1340x900x320/108	1340x900x320/118
Refrigerant [R410A] / CO ₂ Eq.		kg / T	2,85/5,951	2,85/5,951	2,85/5,951	2,85/5,951	2,90/6,055
Pipe diameter	Liquid / Gas	Inch (mm)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)	3/8(9,52)/5/8(15,88)
Pipe length range / Elevation difference (in/out)		m / m	3~30/20	3~30/20	3~30/20	3~30/20	3~30/20
Pipe length for additional gas / Additional gas amount		m / g/m	10/50	10/50	10/50	10/50	10/50
Operation range	Outdoor ambient	°C	-28~+35	-28~+35	-28~+35	-28~+35	-28~+35
Water outlet	Heat / Cool	°C	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20	20~60/5~20
3rd Party tested Sound power at Quiet Mode 3 ³⁾			62	64	62	64	65

Accessories

PAW-ADC-PREKIT-1	Pre installation kit for piping
PAW-ADC-CV150	Decorative magnetic side cover
CZ-NS4P	Additional functions PCB

Accessories

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). Insulated tested under EN12897.

1) Scale from A++ to G and from A+++ to D from 26th September 2019. 2) Scale from A to G and from A+ to F from 26th September 2019. 3) Third party tested sound power at Quiet mode 3 (A +7°C, W 55°C).

This product is designed to comply with the European Water Quality Directive 98/83/EC amended by 2015/1787/EU. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.



INTERNET CONTROL: Optional. GOOD DESIGN AWARD 2017: Indoor units ALL in One and Bi-bloc H Generation awarded with the prestigious Good Design Award 2017.