

Aquarea T-CAP Bi-bloc H Generation

Three Phase. Super Quiet outdoor unit.

Heating and Cooling - SQC • R410A Gas



**GOOD
DESIGN
AWARD
2017**

Technical focus

- Very high energy savings A++ • Noise reduction of 7dB is based on power level when heating mode • With Quite mode we can reach 10 ~ 12dB(A) • Constant capacity up to -20°C • Water temperature up to 60°C • Special software for low consumption homes with minimum output temperature: 20°C • Works at temperatures as low as -28°C • Display of the compressor frequency



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

Three Phase (Power to indoor)

Kit			KIT-WQC09H3E8	KIT-WQC12H9E8	KIT-WQC16H9E8
Heating capacity / COP [A +7°C, W 35°C]	kW / COP		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	16,00 / 2,71
Heating capacity / COP [A +2°C, W 35°C]	kW / COP		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	16,00 / 2,13
Heating capacity / COP [A -7°C, W 35°C]	kW / COP		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	16,00 / 1,86
Cooling capacity / EER [A 35°C, W 7°C]	kW / EER		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	12,20 / 3,49
Seasonal energy efficiency - Heating Average Climate [W35°C / W55°C]	ETA %		181 / 130	170 / 130	160 / 125
	SCOP		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++
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Warm Climate [W35°C / W55°C]	ETA %		235 / 158	231 / 158	231 / 159
	SCOP		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++
Energy Class Heating Warm Climate [W35°C / W55°C]	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++
Seasonal energy efficiency - Heating Cold Climate [W35°C / W55°C]	ETA %		160 / 125	160 / 125	150 / 125
	SCOP		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++
Energy Class Heating Cold Climate [W35°C / W55°C]	A+++ to D		A+++ / A+++	A+++ / A+++	A+++ / A+++
Indoor unit			WH-SQC09H3E8	WH-SQC12H9E8	WH-SQC16H9E8
Sound pressure	Heat / Cool	dB(A)	33 / 33	33 / 33	33 / 33
Dimension	H x W x D	mm	892 x 500 x 340	892 x 500 x 340	892 x 500 x 340
Net weight		kg	43	44	45
Water pipe connector		Inch	R1	R1	R1
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	32 / 102	34 / 110	30 / 105
Heating water flow (ΔT=5 K, 35°C)		L/min	25,8	34,4	45,9
Capacity of integrated electric heater		kW	3	9	9
Recommended fuse		A	15 / 30	15 / 30	15 / 30
Recommended cable size, supply 1 / 2		mm	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5
Outdoor unit			WH-UQ09HE8	WH-UQ12HE8	WH-UQ16HE8
Sound power full load	Heat / Cool	dB	61 / 63	62 / 64	65 / 68
Dimension	H x W x D	mm	1410 x 1283 x 320	1410 x 1283 x 320	1410 x 1283 x 320
Net weight		kg	151	151	161
Refrigerant (R410A) / CO ₂ Eq.		kg / T	2,85 / 5,951	2,85 / 5,951	2,99 / 6,243
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)
Pipe length range		m	3 ~ 30	3 ~ 30	3 ~ 30
Elevation difference (in/out)		m	20	20	20
Pipe length for additional gas		m	10	10	10
Additional gas amount		g/m	50	50	50
Operation range	Outdoor ambient	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35
Water outlet	Heat / Cool	°C	20 - 60 / 5 - 20	20 - 60 / 5 - 20	20 - 60 / 5 - 20

3rd Party tested Sound power at Quiet Mode 3 ²⁾	dB	55	54	58
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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-3WYVLV-SI	External 3 way valve
CZ-NV1	3 way valve Kit for inside of hydrokit

Accessories

CZ-NS4P	Additional functions PCB
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) Third party tested sound power at Quiet mode 3 (A +7°C, W 55°C).



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.