

Aquarea High Performance All in One H Generation Single Phase. Heating and Cooling 1 or 2 zones • R410A Gas



**GOOD
DESIGN
AWARD
2017**



Technical focus

- Reduced installation costs • Piping at the bottom of the All in One (easy to install) • Reduced installation time and minimised installation errors • Easy remote controller to set up • Reduced installation spaces • 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)			
Kit 1 zone (for 2 zone add B at the end)			KIT-ADC03HE5	KIT-ADC05HE5	KIT-ADC07HE5	KIT-ADC09HE5
Heating capacity / COP [A +7°C, W 35°C]		kW / COP	3,20/5,00	5,00/4,63	7,00/4,46	9,00/4,13
Heating capacity / COP [A +7°C, W 55°C]		kW / COP	3,20/2,67	5,00/2,65	6,80/2,63	8,90/2,41
Heating capacity / COP [A +2°C, W 35°C]		kW / COP	3,20/3,56	4,20/3,11	6,55/3,34	6,70/3,13
Heating capacity / COP [A +2°C, W 55°C]		kW / COP	3,20/2,15	4,10/1,98	6,00/1,99	6,00/1,99
Heating capacity / COP [A -7°C, W 35°C]		kW / COP	3,20/2,69	4,20/2,59	5,15/2,68	5,90/2,52
Heating capacity / COP [A -7°C, W 55°C]		kW / COP	3,20/1,72	3,55/1,71	4,80/1,89	5,80/1,88
Cooling capacity / EER [A 35°C, W 7°C]		kW / EER	3,20/3,08	4,50/2,69	6,00/2,63	7,00/2,43
Cooling capacity / EER [A 35°C, W 18°C]		kW / EER	3,30/3,75	5,00/3,76	6,00/3,57	7,00/3,26
Seasonal energy efficiency - Heating Average Climate [W35°C / W55°C]		ETA %	195/130	195/130	190/130	190/130
		SCOP	4,95/3,33	4,95/3,33	4,83/3,33	4,83/3,33
Energy Class Heating Average Climate [W35°C / W55°C] ¹⁾		A++ to G	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++
Seasonal energy efficiency - Heating Warm Climate [W35°C / W55°C]		ETA %	244/163	244/163	225/160	225/160
		SCOP	6,18/4,15	6,18/4,15	5,70/4,08	5,70/4,08
Energy Class Heating Warm Climate [W35°C / W55°C]		A++ to G	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+++
Seasonal energy efficiency - Heating Cold Climate [W35°C / W55°C]		ETA %	150/103	150/103	160/115	160/115
		SCOP	3,83/2,65	3,83/2,65	4,08/2,95	4,08/2,95
Energy Class Heating Cold Climate [W35°C / W55°C]		A++ to G	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+
Indoor unit 1 zone hydrokit			WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5	WH-ADC0309H3E5
Indoor unit 2 zones built-in hydrokit			WH-ADC0309H3E5B	WH-ADC0309H3E5B	WH-ADC0309H3E5B	WH-ADC0309H3E5B
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28	28/28
Dimension / Net weight	HxWxD	mm / kg	1800x598x717/124	1800x598x717/124	1800x598x717/124	1800x598x717/124
Water pipe connector		Inch	R1	R1	R1	R1
A class pump	Number of speeds		Variable Speed	Variable Speed	Variable Speed	Variable Speed
	Input power (Min/Max)	W	30/120	30/120	30/120	30/120
Heating water flow [ΔT=5 K, 35°C]		L/min	9,2	14,3	20,1	25,8
Capacity of integrated electric heater		kW	3	3	3	3
Recommended fuse		A	15/15	15/15	30/15	30/15
Recommended cable size, supply 1 & 2		mm²	3x1,5/3x1,5	3x1,5/3x1,5	3x2,5/3x1,5	3x2,5/3x1,5
Water volume		L	185	185	185	185
Maximum water temperature		°C	65	65	65	65
Material inside tank			Stainless steel	Stainless steel	Stainless steel	Stainless steel
Tapping profile according EN16147			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
DHW Tank ERP Warm climate efficiency rating ²⁾	A to G / A+ to F	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
DHW Tank ERP Average climate ETA / SCOP	ETA % / SCOP		120/3,00	120/3,00	113/2,83	113/2,83
DHW Tank ERP Warm climate ETA / SCOP	ETA % / SCOP		147/3,68	147/3,68	132/3,30	132/3,30
DHW Tank ERP Cold climate ETA / SCOP	ETA % / SCOP		94/2,35	94/2,15	86/2,15	86/1,88
Outdoor unit			WH-UD03HE5-1	WH-UD05HE5-1	WH-UD07HE5-1	WH-UD09HE5-1
Sound power full load	Heat / Cool	dB	64/65	65/66	68/66	69/68
Dimension / Net weight	HxWxD	mm / kg	622x824x298/39	622x824x298/39	795x900x320/66	795x900x320/66
Refrigerant [R410A] / CO ₂ Eq.		kg / T	1,20/2,506	1,20/2,506	1,45/3,028	1,45/3,028
Pipe diameter	Liquid / Gas	Inch (mm)	1/4{6,35}/1/2{12,70}	1/4{6,35}/1/2{12,70}	1/4{6,35}/5/8{15,88}	1/4{6,35}/5/8{15,88}
Pipe length range / Elevation difference (in/out)		m / m	3 ~ 15/5	3 ~ 15/5	3 ~ 40/30	3 ~ 40/30
Pipe length for additional gas / Additional gas amount		m / g/m	10/20	10/20	10/30	10/30
Operation range	Outdoor ambient	°C	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
Water outlet	Heat / Cool	°C	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20	20 ~ 55/5 ~ 20
3rd Party tested Sound power at Quiet Mode 3 ³⁾		dB	52	58	57	59
Accessories			Accessories			
PAW-ADC-PREKIT-1	Pre installation kit for piping		CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN		
PAW-ADC-CV150	Decorative magnetic side cover					
CZ-NS4P	Additional functions PCB		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.