



GOOD DESIGN AWARD 2017

011-1W0515

A++
ErP 55 °C
Scale from A+++ to D

A+++
ErP 35 °C
Scale from A+++ to D

A+
DHW
Scale from A+ to F

Aquarea High Performance All in One H Generation Single phase / Three phase. Heating and Cooling · R410A

Energy efficiency: A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Stainless steel DHW tank with U-Vacua™ insulation panel / Built-in flow meter.

Flexibility: Optional magnet for the water filter.

Comfort: Operating range down to -20 °C.

Control: Additional functions with optional PCB (2 zone control, bivalent control, Smart Grid contact and more).

Connectivity: Optional Aquarea Smart and Service Cloud and integration into BMS projects.

Kit	Single phase (Power to indoor)			Three phase (Power to indoor)		
	KIT-ADC12HE5	KIT-ADC16HE5	KIT-ADC09HE8	KIT-ADC12HE8	KIT-ADC16HE8	
Heating capacity / COP (A +7 °C, W 35 °C)	kW / COP 12,00/4,74	16,00/4,28	9,00/4,84	12,00/4,74	16,00/4,28	
Heating capacity / COP (A +7 °C, W 55 °C)	kW / COP 12,00/2,93	14,50/2,72	9,00/2,94	12,00/2,93	14,50/2,72	
Heating capacity / COP (A +2 °C, W 35 °C)	kW / COP 11,40/3,44	13,00/3,28	9,00/3,59	11,40/3,44	13,00/3,28	
Heating capacity / COP (A +2 °C, W 55 °C)	kW / COP 9,10/2,23	9,80/2,21	8,80/2,23	9,10/2,23	9,80/2,21	
Heating capacity / COP (A -7 °C, W 35 °C)	kW / COP 10,00/2,73	11,40/2,57	9,00/2,85	10,00/2,73	11,40/2,57	
Heating capacity / COP (A -7 °C, W 55 °C)	kW / COP 8,20/1,95	9,00/1,85	7,90/2,05	8,20/1,95	9,00/1,85	
Cooling capacity / EER (A 35 °C, W 7 °C)	kW / EER 10,00/2,81	12,20/2,56	7,00/3,17	10,00/2,85	12,20/2,56	
Cooling capacity / EER (A 35 °C, W 18 °C)	kW / EER 10,00/4,17	12,20/4,12	7,00/4,67	10,00/4,26	12,20/4,12	
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	ηs % 190/134	190/130	190/133	190/134	190/130
	SCOP	4,82/3,42	4,82/3,33	4,81/3,41	4,82/3,42	4,82/3,33
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	ηs % 245/159	245/169	245/159	245/159	245/169
	SCOP	6,21/4,05	6,21/4,30	6,21/4,05	6,21/4,05	6,20/4,30
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	ηs % 168/121	168/121	168/121	168/121	168/121
	SCOP	4,29/3,10	4,28/3,10	4,28/3,10	4,29/3,10	4,28/3,10
Energy class ¹⁾	A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Energy class ¹⁾	A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++
Energy class ¹⁾	A+++ to D	A++ / A+	A++ / A+	A++ / A+	A++ / A+	A++ / A+
Indoor unit		WH-ADC1216HE5	WH-ADC1216HE5	WH-ADC0916HE8	WH-ADC0916HE8	WH-ADC0916HE8
Sound pressure	Heat / Cool	dB(A) 33/33	33/33	33/33	33/33	33/33
Dimension	HxWxD	mm 1800x598x717	1800x598x717	1800x598x717	1800x598x717	1800x598x717
Net weight		kg 124	124	126	126	126
Water pipe connector		Inch R 1½	R 1½	R 1½	R 1½	R 1½
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 34,4	45,9	25,8	34,4	45,9
Capacity of integrated electric heater		kW 6,00	6,00	9,00	9,00	9,00
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 DHW 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 efficiency average / warm / cold ²⁾		A+ to F A/A/A	A/A/B	A/A/A	A/A/A	A/A/B
DHW tank ERP average climate η / COPdHW		ηwh % / COPdHW 95/2,37	91/2,28	95/2,37	95/2,37	91/2,27
DHW tank ERP warm climate η / COPdHW		ηwh % / COPdHW 110/2,75	107/2,67	110/2,75	110/2,75	107/2,67
DHW tank ERP cold climate η / COPdHW		ηwh % / COPdHW 75/1,87	72/1,80	75/1,87	75/1,87	72/1,80
Outdoor unit		WH-UD12HE5	WH-UD16HE5	WH-UD09HE8	WH-UD12HE8	WH-UD16HE8
Sound power ³⁾	Heat	dB(A) 65	65	65	65	65
Dimension / Net weight	HxWxD	mm / kg 1340x900x320/101	1340x900x320/101	1340x900x320/107	1340x900x320/107	1340x900x320/107
Refrigerant (R410A) / CO ₂ Eq.		kg / T 2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324	2,55/5,324
Piping 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 3-50/30	3-50/30	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
Operating range - outdoor ambient	Heat	°C -20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35	-20 ~ +35
	Cool	°C +16 ~ +43	+16 ~ +43	+16 ~ +43	+16 ~ +43	+16 ~ +43
Water outlet	Heat / Cool	°C 20-55/5-20	20-55/5-20	20-55/5-20	20-55/5-20	20-55/5-20

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power in accordance to 811/2013, 813/2013 and EN12102-1:2017 at +7 °C. * EER and COP calculation is based in accordance to EN14511. ** 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.

Accessories	
PAW-ADC-PREKIT-1	Piping pre installation kit for J Generation
CZ-TAW1	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1

Accessories	
CZ-NS4P	Additional functions PCB
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat

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