

NEW Aquarea High Performance All in One K Generation Single phase. Heating and Cooling 2 zones - R32

Energy efficiency: COP up to 5,33 / 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 / DHW COP up to 3,50.

Flexibility: 598 x 600 footprint / Easy access to hydraulic parts / Built-in magnetic water filter / 2 zone control.

Comfort: Operation without backup heating at -25 °C / 60 °C hot water even at -10 °C outside temperature.

Control: Optimised user interface and improved features [2 zone control, bivalent control].

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



				Single phase [power to indoor]			
Kit			KIT-ADC03K3E5B	KIT-ADC05K3E5B	KIT-ADC07K3E5B	KIT-ADC09K3E5B	
Heating capacity / COP [A +7 °C, W 35 °C]	kW / COP		3,20/5,33	5,00/5,10	7,00/4,86	9,00/4,55	
Heating capacity / COP [A +7 °C, W 55 °C]	kW / COP		3,20/2,81	5,00/3,03	7,00/2,92	8,90/2,93	
Heating capacity / COP [A +2 °C, W 35 °C]	kW / COP		3,20/3,64	5,00/3,57	6,85/3,43	7,00/3,40	
Heating capacity / COP [A +2 °C, W 55 °C]	kW / COP		3,20/2,19	5,00/2,29	6,25/2,23	6,30/2,18	
Heating capacity / COP [A -7 °C, W 35 °C]	kW / COP		3,30/2,80	5,00/2,79	5,75/2,95	6,25/2,84	
Heating capacity / COP [A -7 °C, W 55 °C]	kW / COP		3,20/1,79	5,00/1,89	5,35/1,98	5,90/1,93	
Cooling capacity / EER [A 35 °C, W 7 °C]	kW / EER		3,20/3,52	5,00/3,05	6,70/3,03	8,20/2,72	
Cooling capacity / EER [A 35 °C, W 18 °C]	kW / EER		3,20/4,71	5,00/4,90	6,70/4,72	9,00/4,18	
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP ($\eta_{s, \text{H}}$ %)	5,07/3,47 [200/136]	5,12/3,63 [202/142]	4,90/3,62 [193/142]	4,44/3,41 [175/133]	
	Energy class ¹⁾		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP ($\eta_{s, \text{W}}$ %)	6,20/4,20 [245/165]	6,00/4,20 [237/165]	5,75/4,07 [227/160]	5,75/4,07 [227/160]	
	Energy class ¹⁾		A+++ / A+++	A+++ / A+++	A+++ / A+++	A+++ / A+++	
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP ($\eta_{s, \text{C}}$ %)	4,00/2,83 [157/110]	4,08/2,95 [160/115]	4,18/2,98 [164/116]	4,18/2,98 [164/116]	
	Energy class ¹⁾		A+++ to D	A++ / A+	A++ / A+	A++ / A+	
Indoor unit			WH-ADC0309K3E5B	WH-ADC0309K3E5B	WH-ADC0309K3E5B	WH-ADC0309K3E5B	
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28	28/28	
Dimension	H x W x D	mm	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	1642 x 599 x 602	
Net weight		kg	109	109	109	109	
Water pipe connector		Inch	R 1 1/4	R 1 1/4	R 1 1/4	R 1 1/4	
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 ($\Delta T=5$ K, 35 °C)		L/min	9,2	14,3	20,1	25,8	
Water volume		L	185	185	185	185	
Maximum DHW 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 efficiency average / warm / cold ²⁾		A+ to F	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	
DHW tank ERP average climate η / COPdHW	$\eta_{\text{wh}} \%$ / COPdHW		128/3,20	140/3,50	140/3,50	140/3,50	
DHW tank ERP warm climate η / COPdHW	$\eta_{\text{wh}} \%$ / COPdHW		154/3,86	160/4,00	160/4,00	160/4,00	
DHW tank ERP cold climate η / COPdHW	$\eta_{\text{wh}} \%$ / COPdHW		99/2,48	112/2,80	112/2,80	112/2,80	
Outdoor unit			WH-UDZ03KE5	WH-UDZ05KE5	WH-UDZ07KE5	WH-UDZ09KE5	
Sound power ³⁾	Heat	dB(A)	55	55	56	56	
Dimension / Net weight	H x W x D	mm / kg	622 x 824 x 298/37	795 x 875 x 320/55	795 x 875 x 320/55	795 x 875 x 320/55	
Refrigerant (R32) / CO ₂ Eq.		kg / T	0,9/0,608	1,3/0,878	1,3/0,878	1,3/0,878	
Piping diameter	Liquid / Gas	Inch (mm)	1/4 (6,35) / 1/2 (12,70)	1/4 (6,35) / 5/8 (15,88)	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	3-25/20	3-40 [3-50] ⁴⁾ / 30	3-40 [3-50] ⁴⁾ / 30	3-40 [3-50] ⁴⁾ / 30	
Pre-charged pipe length / Additional gas amount		m / g/m	10/20	10/25	10/25	10/25	
Operating range - outdoor ambient	Heat	°C	-20 ~ +35	-25 ~ +35	-25 ~ +35	-25 ~ +35	
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	
Water outlet	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	
Electrical information			WH-ADC0309K3E5B	WH-ADC0309K3E5B	WH-ADC0309K3E5B	WH-ADC0309K3E5B	
Electric backup heater		kW	3,00	3,00	3,00	3,00	
Recommended fuse		A	16/16	16/16	25/16	25/16	
Recommended minimum cable size, supply 1 / 2 ⁵⁾		mm ²	3 x 1,5 / 3 x 1,5	3 x 1,5 / 3 x 1,5	3 x 2,5 / 3 x 1,5	3 x 2,5 / 3 x 1,5	

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. 4) Operation range down to -25 °C in heating with 3-40 m pipe length range, operation range down to -15 °C in heating with 3-50 m pipe length range. 5) Check local regulations. * 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	
CZ-RTW1	Additional remote controller for K and L Generations
CZ-TAW1B	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
CZ-TAW1-CBL	10 m extension cable for CZ-TAW1B

Accessories	
CZ-NS5P	Additional functions PCB
PAW-A2W-RTWIRED	Room thermostat
PAW-A2W-RTWIRELESS	Wireless LCD room thermostat



INTERNET CONTROL: Optional.