

**NEW Aquarea High Performance All in One K Generation Single phase. Heating and Cooling with Electrical Anode - 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 / Built-in magnetic water filter / Installation possible in sites with harsh water quality.

**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-ADC03K3E5AN	KIT-ADC05K3E5AN	KIT-ADC07K3E5AN	KIT-ADC09K3E5AN	
		KIT-ADC03K6E5AN	KIT-ADC05K6E5AN	KIT-ADC07K6E5AN	KIT-ADC09K6E5AN	
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 (η <sub>s</sub> %)	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 <sup>1)</sup>		A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	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 <sup>1)</sup>		A+++ to D	A+++ / A+++	A+++ / A+++	A+++ / A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	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 <sup>1)</sup>		A+++ to D	A++ / A+	A++ / A+	A++ / A+
<b>Indoor unit 3 kW electric heater</b>		<b>WH-ADC0309K3E5AN</b>	<b>WH-ADC0309K3E5AN</b>	<b>WH-ADC0309K3E5AN</b>	<b>WH-ADC0309K3E5AN</b>	
<b>Indoor unit 6 kW electric heater</b>		<b>WH-ADC0309K6E5AN</b>	<b>WH-ADC0309K6E5AN</b>	<b>WH-ADC0309K6E5AN</b>	<b>WH-ADC0309K6E5AN</b>	
Sound pressure	Heat / Cool	dB(A)	28/28	28/28	28/28	28/28
Dimension	HxWxD	mm	1642x599x602	1642x599x602	1642x599x602	1642x599x602
Net weight		kg	100/101	100/101	100/101	100/101
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼
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
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 <sup>2)</sup>			A+ / A++ / A	A+ / A++ / A	A+ / A++ / A	A+ / A++ / A
DHW tank ERP average climate η / COPdHW		η <sub>wh</sub> % / COPdHW	128/3,20	140/3,50	140/3,50	140/3,50
DHW tank ERP warm climate η / COPdHW		η <sub>wh</sub> % / COPdHW	154/3,86	160/4,00	160/4,00	160/4,00
DHW tank ERP cold climate η / COPdHW		η <sub>wh</sub> % / COPdHW	99/2,48	112/2,80	112/2,80	112/2,80
<b>Outdoor unit</b>		<b>WH-UDZ03KE5</b>	<b>WH-UDZ05KE5</b>	<b>WH-UDZ07KE5</b>	<b>WH-UDZ09KE5</b>	
Sound power <sup>3)</sup>	Heat	dB(A)	55	55	56	56
Dimension / Net weight	HxWxD	mm / kg	622x824x298/37	795x875x320/55	795x875x320/55	795x875x320/55
Refrigerant (R32) / CO <sub>2</sub> 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) <sup>4)</sup> / 30	3 - 40 (3 - 50) <sup>4)</sup> / 30	3 - 40 (3 - 50) <sup>4)</sup> / 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		3 kW heater	6 kW heater	3 kW heater	6 kW heater	3 kW heater	6 kW heater	3 kW heater	6 kW heater
Electric backup heater	kW	3,00	6,00	3,00	6,00	3,00	6,00	3,00	6,00
Recommended fuse	A	16/16	16/30	16/16	16/30	25/16	25/30	25/16	25/30
Recommended minimum cable size, supply 1 / 2 <sup>5)</sup>	mm <sup>2</sup>	3x1,5/3x1,5	3x1,5/3x4,0	3x1,5/3x1,5	3x1,5/3x4,0	3x2,5/3x1,5	3x2,5/3x4,0	3x2,5/3x1,5	3x2,5/3x4,0

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	
<b>CZ-RTW1</b>	Additional remote controller for K and L Generations
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B

Accessories	
<b>CZ-NS5P</b>	Additional functions PCB
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.