

## Aquarea T-CAP All in One K Series Single phase / Three phase. Heating and Cooling - R32

**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:** 598 x 600 footprint / Built-in magnetic water filter.

**Comfort:** Constant capacity down to -20 °C / Operating range down to -28 °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.



Kit	Single phase (power to indoor)					Three phase (power to indoor)				
		KIT-AXC09K6E5	KIT-AXC12K6E5	KIT-AXC09K9E8*	KIT-AXC12K9E8*	KIT-AXC16K9E8*				
Heating capacity / COP (A +7 °C, W 35 °C)	kW / COP	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38				
Heating capacity / COP (A +7 °C, W 55 °C)	kW / COP	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72				
Heating capacity / COP (A +2 °C, W 35 °C)	kW / COP	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10				
Heating capacity / COP (A +2 °C, W 55 °C)	kW / COP	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07				
Heating capacity / COP (A -7 °C, W 35 °C)	kW / COP	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39				
Heating capacity / COP (A -7 °C, W 55 °C)	kW / COP	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71				
Cooling capacity / EER (A 35 °C, W 7 °C)	kW / EER	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64				
Cooling capacity / EER (A 35 °C, W 18 °C)	kW / EER	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	13,40/2,64				
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,58/3,46(180/135)	4,46/3,31(176/129)			
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++			
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	5,88/4,09(232/160)			
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++			
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	3,83/3,20(155/125)			
	Energy class <sup>1)</sup>	A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++			
<b>Indoor unit</b>			<b>WH-ADC0912K6E5</b>	<b>WH-ADC0912K6E5</b>	<b>WH-ADC0912K9E8</b>	<b>WH-ADC0912K9E8</b>	<b>WH-ADC16K9E8</b>			
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33			
Dimension	HxWxD	mm	1642x599x602	1642x599x602	1642x599x602	1642x599x602	1642x599x602			
Net weight		kg	101	101	102	102	103			
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	W	145	145	145	145	173			
Heating water flow (ΔT=5 K, 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9			
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 <sup>2)</sup>		A+ to F	A/A+/A	A/A+/A	A/A+/A	A/A+/A	A/A+/A			
DHW tank ERP average climate η / COPdHW	η <sub>wh</sub> % / COPdHW		112/2,80	112/2,80	112/2,80	112/2,80	107/2,68			
DHW tank ERP warm climate η / COPdHW	η <sub>wh</sub> % / COPdHW		132/3,30	132/3,30	132/3,30	132/3,30	128/3,20			
DHW tank ERP cold climate η / COPdHW	η <sub>wh</sub> % / COPdHW		88/2,20	88/2,20	88/2,20	88/2,20	84/2,10			
<b>Outdoor unit</b>			<b>WH-UXZ09KE5</b>	<b>WH-UXZ12KE5</b>	<b>WH-UXZ09KE8</b>	<b>WH-UXZ12KE8</b>	<b>WH-UXZ16KE8</b>			
Sound power <sup>3)</sup>	Heat	dB(A)	65	65	65	65	65			
Dimension / Net weight	HxWxD	mm / kg	1340x900x320/88	1340x900x320/88	1340x900x320/90	1340x900x320/90	1340x900x320/103			
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235			
Piping 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)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)			
Pipe length range / Elevation difference (in / out)		m / m	3-30/20	3-30/20	3-30/20	3-30/20	3-30/20			
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30	10/30	10/30			
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35			
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43			
Water outlet <sup>4)</sup>	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20			
<b>Electrical information</b>			<b>WH-ADC0912K6E5</b>	<b>WH-ADC0912K6E5</b>	<b>WH-ADC0912K9E8</b>	<b>WH-ADC0912K9E8</b>	<b>WH-ADC16K9E8</b>			
Electric backup heater		kW	6,00	6,00	9,00	9,00	9,00			
Recommended fuse		A	30/30	30/30	20/20	20/20	20/20			
Recommended minimum cable size, supply 1 / 2 <sup>5)</sup>		mm <sup>2</sup>	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5			

1) Scale from A+++ to D. 2) Scale from A+ to F. 3) Sound power level in accordance to EN12102 under conditions of the EN14825. 4) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 5) Check local regulations. \* Available in Summer 2024. \*\* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC. \*\*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. 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>	Optional remote controller for 2 zone control. K and L Series
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN

### Accessories

<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.