

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 _s %) | 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 ¹⁾ | 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 _s %) | 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 ¹⁾ | 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 _s %) | 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(150/125) |
| | Energy class ¹⁾ | A+++ to D | A++/A++ | A++/A++ | A++/A++ | A++/A++ | A++/A++ |
| Indoor unit | | | WH-ADC0912K6E5 | WH-ADC0912K6E5 | WH-ADC0912K9E8 | WH-ADC0912K9E8 | WH-ADC16K9E8 |
| Sound pressure | Heat / Cool | dB(A) | 33/33 | 33/33 | 33/33 | 33/33 | 33/33 |
| Dimension | H x W x D | 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 ²⁾ | | 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 _{wh} %/COPdHW | 112/2,80 | 112/2,80 | 112/2,80 | 112/2,80 | 107/2,68 |
| DHW tank ERP warm climate η / COPdHW | | η _{wh} %/COPdHW | 132/3,30 | 132/3,30 | 132/3,30 | 132/3,30 | 128/3,20 |
| DHW tank ERP cold climate η / COPdHW | | η _{wh} %/COPdHW | 88/2,20 | 88/2,20 | 88/2,20 | 88/2,20 | 84/2,10 |
| Outdoor unit | | | WH-UXZ09KE5 | WH-UXZ12KE5 | WH-UXZ09KE8 | WH-UXZ12KE8 | WH-UXZ16KE8 |
| Sound power ³⁾ | Heat | dB(A) | 65 | 65 | 65 | 65 | 65 |
| Dimension / Net weight | H x W x D | mm / kg | 1340x900x320/88 | 1340x900x320/88 | 1340x900x320/90 | 1340x900x320/90 | 1340x900x320/103 |
| Refrigerant (R32) / CO ₂ 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 ⁴⁾ | Heat / Cool | °C | 20 ~ 60/5 ~ 20 | 20 ~ 60/5 ~ 20 | 20 ~ 60/5 ~ 20 | 20 ~ 60/5 ~ 20 | 20 ~ 60/5 ~ 20 |
| Electrical information | | | WH-ADC0912K6E5 | WH-ADC0912K6E5 | WH-ADC0912K9E8 | WH-ADC0912K9E8 | WH-ADC16K9E8 |
| 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 ⁵⁾ | | mm ² | 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 | |
|-----------------|--|
| CZ-RTW1 | Optional remote controller for 2 zone control. K and L Series |
| CZ-TAW1B | Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN |

| Accessories | |
|---------------------------|-----------------------------------|
| CZ-TAW1-CBL | 10 m extension cable for CZ-TAW1B |
| CZ-NS5P | PCB for advanced functions |
| PAW-A2W-RTWIRED | Room thermostat |
| PAW-A2W-RTWIRELESS | Wireless LCD room thermostat |



INTERNET CONTROL: Optional.