

KIT-WXC16H9E8 (WH-SXC16H9E8 + WH-UX16HE8)

Aquarea, an innovative new low-energy system based on Air to Water heat pump technology

Aquarea warms your home effectively and efficiently, even with extreme outdoor temperatures. Aquarea can also cool space in summer and bring hot water all year round.

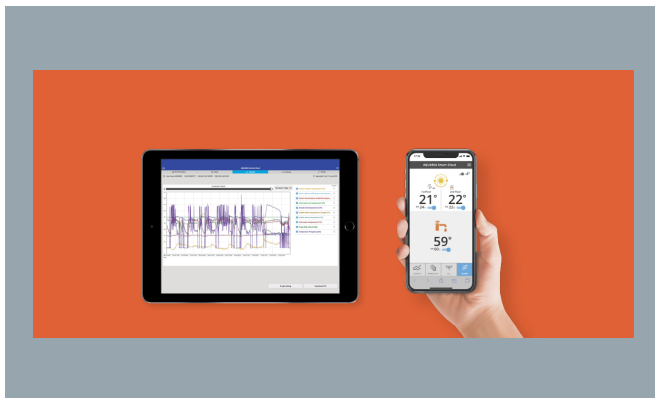
Aquarea T-CAP is the range for retrofit and new builds, keeping Total Capacity even at extremely cold ambient.

The Bi-Bloc system: The system, separate indoor and outdoor units, connects to the heating and/or hot water system.

- High energy Class A++
- Constant capacity down to -20°C
- Maximum hydraulic module output temperature: 60°C
- Works at temperatures as low as -28°C
- Special software for low consumption homes with minimum output temperature: 20°C
- Built-in magnet water filter and flow meter, and automatic air purge valve
- Domestic hot water with external tank
- Cloud control and service with CZ-TAW1
- Easy-to-use remote controller



A heat pump turns heat energy outside into warmth inside



Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

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Aquarea commercial solutions for best savings

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| Aquarea T-CAP Bi-bloc H Generation 1 Phase / 3 Phase • R410A | | THREE PHASE (Power to indoor) |
|-----------------------------------------------------------------------|-----------|-------------------------------|
| | | 16 kW |
| Kit | | KIT-WXC16H9E8 |
| Heating capacity (A +7°C, W 35°C) | kW | 16,00 |
| COP (A +7°C, W 35°C) | | 4,28 |
| Heating capacity (A +7°C, W 55°C) | kW | 16,00 |
| COP (A +7°C, W 55°C) | | 2,71 |
| Heating capacity (A +2°C, W 35°C) | kW | 16,00 |
| COP (A +2°C, W 35°C) | | 3,10 |
| Heating capacity (A +2°C, W 55°C) | kW | 16,00 |
| COP (A +2°C, W 55°C) | | 2,13 |
| Heating capacity (A -7°C, W 35°C) | kW | 16,00 |
| COP (A -7°C, W 35°C) | | 2,49 |
| Heating capacity (A -7°C, W 55°C) | kW | 16,00 |
| COP (A -7°C, W 55°C) | | 1,86 |
| Cooling capacity (A 35°C, W 7°C) | kW | 12,20 |
| EER (A 35°C, W 7°C) | | 2,57 |
| Cooling capacity (A 35°C, W 18°C) | kW | 12,20 |
| EER (A 35°C, W 18°C) | | 3,49 |
| Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | ηs % | 160 / 125 |
| Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 4,08 / 3,20 |
| Heating average climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A++ / A++ |
| Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C) | ηs % | 231 / 159 |
| Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 5,85 / 4,05 |
| Heating warm climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A+++ / A+++ |

| Aquarea T-CAP Bi-bloc H Generation 1 Phase / 3 Phase • R410A | | THREE PHASE (Power to indoor) |
|-----------------------------------------------------------------------------|-----------|-------------------------------|
| | | 16 kW |
| Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | ηs % | 150 / 125 |
| Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 3,83 / 3,20 |
| Heating cold climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A++ / A++ |
| Indoor unit | | WH-SXC16H9E8 |
| Indoor sound pressure (Heat) | dB(A) | 33 |
| Indoor sound pressure (Cool) | dB(A) | 33 |
| Indoor dimension (Height) | mm | 892 |
| Indoor dimension (Width) | mm | 500 |
| Indoor dimension (Depth) | mm | 340 |
| Indoor net weight | kg | 45 |
| Water pipe connector | Inch | R 1¼ |
| A class pump (Number of speeds) | | Variable Speed |
| A class pump (Input power Min) | W | 30 |
| A class pump (Input power Max) | W | 105 |
| Heating water flow (ΔT=5 K. 35°C) | L/min | 45,90 |
| Capacity of integrated electric heater | kW | 9,00 |
| Indoor recommended fuse | A | 16 / 16 |
| Recommended cable size, supply 1 | mm² | 5 x 1,5 |
| Recommended cable size, supply 2 | mm² | 5 x 1,5 |
| Outdoor unit | | WH-UX16HE8 |
| Outdoor sound power part load (Heat) (3) | dB(A) | 67 |
| Outdoor sound power full load (Heat) | dB(A) | 72 |
| Outdoor sound power full load (Cool) | dB(A) | 71 |
| Outdoor dimension (Height) | mm | 1340 |
| Outdoor dimension (Width) | mm | 900 |

| Aquarea T-CAP Bi-bloc H Generation 1 Phase / 3 Phase • R410A | | THREE PHASE (Power to indoor) |
|--------------------------------------------------------------------|-----------|-------------------------------|
| | | 16 kW |
| Outdoor dimension (Depth) | mm | 320 |
| Outdoor net weight | kg | 118 |
| Refrigerant (R410A) / CO2 Eq. | kg / T | 2,90 / 6,055 |
| Pipe diameter (Liquid) | Inch (mm) | 3/8 (9,52) |
| Pipe diameter (Gas) | Inch (mm) | 5/8 (15,88) |
| Pipe length range | m | 3 ~ 30 |
| Elevation difference (in/out) | m | 30 |
| Pipe length for additional gas | m | 10 |
| Additional gas amount | g/m | 50 |
| Operation range (Outdoor ambient) | °C | -28 ~ +35 |
| Water outlet (Heat) | °C | 20 ~ 60 |
| Water outlet (Cool) | °C | 5 ~ 20 |

(1) Sound power in accordance to 8112013,81312013 and EN12102-1:2017 at +7°C.
EER and COP calculation is based in accordance to EN14511.

Complementary products

