

WH-MDC05J3E5

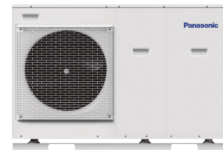
Aquarea, an innovative new low-energy system based on Air to Water heat pump technology

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 High Performance is the range for new installations and low consumption homes. Outstanding efficiency and energy savings with minimised CO2 emissions and minimum space.

The MonoBloc system: This only has an outdoor unit. The installation doesn't require a refrigerated connection and is only connected to the heating and/or hot water.

- High efficient R32 refrigerant
- A+++ energy Class (average climate at 35°C water outlet)
- Maximum hydraulic module output temperature: 60°C
- High heating and cooling capacities, even at low outdoor temperatures
- Special software for low consumption homes with minimum output temperature: 20°C
- Works at temperatures as low as -20°C
- Operation in cooling mode at temperatures as low as 10°C
- Cloud control and service with CZ-TAW1
- Easy-to-use remote controller
- Domestic hot water with external tank
- Easy installation and maintenance
- Built-in magnet water filter and flow meter, and automatic air purge valve

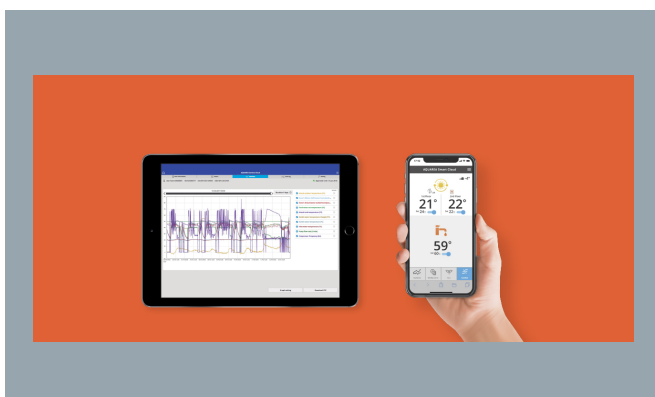


A heat pump turns heat energy outside into warmth inside



Aquarea with R32 Refrigerant.
A small change that changes everything.

[MORE ABOUT AQUAREA R32](#)



Aquarea Service Cloud. Control for today and for the future

[FOR END USER](#)

[FOR INSTALLERS / MAINTENANCE](#)

| Aquarea High Performance Mono-bloc J Generation 1 Phase • R32 | | SINGLE PHASE |
|---|-----------|--------------|
| | | 5 kW |
| Heating capacity (A +7°C, W 35°C) | kW | 5,00 |
| COP (A +7°C, W 35°C) | | 5,08 |
| Heating capacity (A +7°C, W 55°C) | kW | 5,00 |
| COP (A +7°C, W 55°C) | | 3,01 |
| Heating capacity (A +2°C, W 35°C) | kW | 5,00 |
| COP (A +2°C, W 35°C) | | 3,57 |
| Heating capacity (A +2°C, W 55°C) | kW | 5,00 |
| COP (A +2°C, W 55°C) | | 2,27 |
| Heating capacity (A -7°C, W 35°C) | kW | 5,00 |
| COP (A -7°C, W 35°C) | | 2,78 |
| Heating capacity (A -7°C, W 55°C) | kW | 5,00 |
| COP (A -7°C, W 55°C) | | 1,85 |
| Cooling capacity (A 35°C, W 7°C) | kW | 5,00 |
| EER (A 35°C, W 7°C) | | 3,31 |
| Cooling capacity (A 35°C, W 18°C) | kW | 5,00 |
| EER (A 35°C, W 18°C) | | 5,05 |
| Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | ηs % | 202 / 142 |
| Heating average climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 5,12 / 3,63 |
| 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 % | 237 / 165 |
| Heating warm climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 6,00 / 4,20 |
| Heating warm climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A+++ / A+++ |
| Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | ηs % | 160 / 115 |
| Heating cold climate. Seasonal energy efficiency (W 35°C / W 55°C) | SCOP | 4,08 / 2,95 |
| Heating cold climate. Energy class (W 35°C / W 55°C) (1) | A+++ to D | A++ / A+ |
| Outdoor sound power part load (Heat) (1) | dB(A) | 59 |
| Outdoor sound power full load (Heat) | dB(A) | 64 |
| Outdoor sound power full load (Cool) | dB(A) | 65 |
| Outdoor dimension (Height) | mm | 865 |
| Outdoor dimension (Width) | mm | 1283 |

| Aquarea High Performance Mono-bloc J Generation 1 Phase • R32 | | SINGLE PHASE |
|--|-----------------|----------------|
| | | 5 kW |
| Outdoor dimension (Depth) | mm | 320 |
| Outdoor net weight | kg | 99 |
| Refrigerant (R32) / CO2 Eq. (2) | kg / T | 1,3 / 0,878 |
| Water pipe connector | Inch | R 1¼ |
| Pump (Number of speeds) | | Variable Speed |
| Pump (Input power Min) | W | 34 |
| Pump (Input power Max) | W | 96 |
| Heating water flow ($\Delta T=5$ K, 35°C) | L/min | 14,30 |
| Capacity of integrated electric heater | kW | 3 |
| Input power (Heat) | kW | 0,99 |
| Input power (Cool) | kW | 1,51 |
| Running and starting current (Heat) | A | 4,7 |
| Running and starting current (Cool) | A | 7,0 |
| Current 1 | A | 12,0 |
| Current 2 | A | 13 |
| Indoor recommended fuse | A | 30 / 15 |
| Recommended cable size, supply 1 | mm ² | 3 x 1,5 |
| Recommended cable size, supply 2 | mm ² | 3 x 1,5 |
| Operation range - outdoor temperature (Heat) | °C | -20 ~ 35 |
| Operation range - outdoor temperature (Cool) | °C | 10 ~ 43 |
| 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.

(2) WH-MDC models are hermetically sealed.

EER and COP calculation is based in accordance to EN14511.

Complementary products

