

Aquami Monoblock heat pump

AQM40X1 ^[R14]



Device features

| | | | | | | | |
|--|------------------------------|--------------------------------------|--|---|-------------------------------------|-----------------------------------|---|
| | | | | | | | |
| Environmentally friendly refrigerant R32 | Efficient heating | Energy efficiency class at 35°C A+++ | Energy efficiency class at 55°C A++ | Maximum COP 5,10 | Operating range down to -25°C | Supply water temperature of 65°C | Integrated USB port for updates |
| | | | | | | | |
| Energy meter | Smart Grid functionality | Twin rotary compressor | Integrated electric heater | Outdoor unit drip tray heater | Compressor crankcase heater | Easy installation and maintenance | Silent mode |
| | | | | | | | |
| Wired controller Wi-Fi module | Configurable daily schedules | Configurable weekly schedules | Vacation mode | Menu in English | Multilanguage menu | Integrated temperature sensor | Weather operating modes (climate curve) |
| | | | | | | | |
| 2 heating control zones | Dedicated application | Disinfection | DHW circulation pump operation schedules | Maximum leaving water temperature of 60°C (in DHW mode) | Prepared to create a cascade system | | |

Specification outdoor unit

| Model | | | AQM40X1 R14 |
|--|---|-------------------------------------|------------------------------------|
| EAN Code | | | 5905567602177 |
| Power supply | | V-Hz, Ø | 220-240-50, 1f |
| Heating (A7/W35) | Capacity | kW | 4,20 |
| | Rated input | kW | 0,82 |
| | COP | | 5,10 |
| Heating (A7/W45) | Capacity | kW | 4,30 |
| | Rated input | kW | 1,13 |
| | COP | | 3,80 |
| Heating (A7/W55) | Capacity | kW | 4,40 |
| | Rated input | kW | 1,49 |
| | COP | | 2,95 |
| Cooling (A35/W18) | Capacity | kW | 4,50 |
| | Rated input | kW | 0,82 |
| | EER | | 5,50 |
| Cooling (A35/W7) | Capacity | kW | 4,70 |
| | Rated input | kW | 1,36 |
| | EER | | 3,45 |
| Seasonal energy efficiency LWT at 35°C | SCOP ⁽¹⁾ | | 4,85 |
| | Rated heat output | kW | 5,5 |
| | Seasonal energy efficiency ratio (ηs) | % | 191 |
| | Annual energy consumption | kWh | 2351 |
| | Seasonal space heating energy efficiency class ⁽¹⁾ | | A+++ |
| Seasonal energy efficiency LWT at 55°C | SCOP ⁽¹⁾ | | 3,31 |
| | Rated heat output | kW | 4,40 |
| | Seasonal energy efficiency ratio (ηs) | % | 129,5 |
| | Annual energy consumption | kWh | 2742 |
| | Seasonal space heating energy efficiency class ⁽¹⁾ | | A++ |
| SEER | LWT at 7°C | | 4,98 |
| | LWT at 18°C | | 7,76 |
| Maximum overcurrent protection (MOP) | | A | 32 |
| Minimum circuit amps (MCA) | | A | 25 |
| Compressor | | Type | Twin rotary inverter compressor DC |
| Fan | Type | | Brushless DC motor / BLDC |
| | Quantity | | 1 |
| Refrigerant | Type / GWP | | R32 / 675 |
| | Quantity | kg | 1,4 |
| | | TCO _{eq} | 0,95 |
| Power cables; indoor unit | | pcs × mm² | 3 × 6 |
| Bracket spacing | | (W1×W2×D) | 638 x 379 x 401 |
| Sound pressure level | | dB(A) | 45 |
| Sound power level | | dB(A) | 55 |
| Net dimensions | | (W×D×H) mm | 1295×429×718 |
| Gross dimensions | | (W×D×H) mm | 1375×475×885 |
| Net weight / Gross weight | | kg | 91/112 |
| Operating outdoor temperature | Cooling | °C | -5~43 |
| | Heating | °C | -25~35 |
| | DHW | °C | -25~43 |
| Operation modes | | | Heating and cooling |
| Leaving water temperature | Space cooling | °C | 5~25 |
| | Space heating | °C | 25~65 |
| | DHW (tank) | °C | 30~60 |
| Electric heater | Power supply | V-Hz, Ø | 220-240-50, 1f |
| | Number of heating stages / Power | pcs / kW | 1 / 3 |
| | Maximum operating current | A | 13,5 |
| Water circuit | Water connections | | mm (inch) 33mm (G1" BSP) external |
| | Pressure relief valve | | MPa 0.3 |
| | Condensate drain | | mm 16 |
| | Expansion tank | Total volume / Actual volume | l 8 / 4,8 |
| | | Maximum pressure / Initial pressure | MPa 0.3 / 0,1 |
| | Heat exchanger | Type | PHE / plate heat exchanger |
| | | Minimum flow | l/min 6 |
| | Water pump head | m | 9 |
| | Water pump type | | DC |
| Total water volume | l | 3,2 | |

(1) Seasonal energy efficiency class measured under average climate conditions.

Notes: DHW - Domestic hot water, LWT - Leaving water temperature

The sound pressure level is measured 1m in front of the unit and (1+H)/2m (where H is the height of the unit) above the floor in semi-anechoic room. During on-site operation sound pressure levels can be higher as a result of ambient noise. Sound pressure level and sound power level reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825; EN50564; EN12102; (EU) Np. 811/2013; (EU) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014.