

AQUAREA G GENERATION

T-CAP

MONO-BLOC SINGLE PHASE /

THREE PHASE

HEATING AND COOLING - MXC



OPTIONAL CONTROLLERS

- HPM WITH LCD
PAW-HPM1
- HPM TOUCH SCREEN
PAW-HPMED FOR HPM



The MXC is ideal for residential properties which don't have an external boiler and require a maintained capacity level.

T-CAP stands for Total Capacity. This new line-up is able to maintain the same nominal capacity even at -15 °C without the help of an electrical booster heater. T-CAP is also able to provide extremely high efficiency, whatever the outside temperature or the water temperature. The MXC adapts well in an existing install with a boiler backup, and in a new application with underfloor heating, low temperature radiators or even fan-coil heaters. This range can also be connected to a solar kit in order to increase efficiency and minimize the impact on the ecosystem. Finally, it is possible to connect a thermostat for even better heating or cooling control and management.

Technical focus

- New remote control functions
- Efficient control of room temperature based on the outdoor temperature, indoor temperature using the Aquarea Manager.
- Optional Smartphone control
- Range from 9 to 16 kW, Single and Three Phase
- Maximum hydraulic module output temperature: 55 °C
- Works down to -20°C
- Cooling temperature range 5-20°C

| | | Single Phase | | Three Phase | |
|--|-------------------------|---------------|---------------------|---------------------|---------------------|
| Outdoor unit Heating and Cooling | | WH-MXC09G3E5* | WH-MXC12G6E5* | WH-MXC09G3E8* | WH-MXC12G6E8* |
| Heating capacity at +7 °C (heating water at 35 °C) | kW | 9.00 | 12.00 | 9.00 | 12.00 |
| COP at +7 °C (heating water at 35 °C) | W/W | 4.84 | 4.74 | 4.84 | 4.74 |
| Heating capacity at +2 °C (heating water at 35 °C) | kW | 9.00 | 12.00 | 9.00 | 12.00 |
| COP at +2 °C (heating water at 35 °C) | W/W | 3.59 | 3.44 | 3.59 | 3.44 |
| Heating capacity at -7 °C (heating water at 35 °C) | kW | 9.00 | 12.00 | 9.00 | 12.00 |
| COP at -7 °C (heating water at 35 °C) | W/W | 2.85 | 2.72 | 2.85 | 2.72 |
| Cooling capacity at 35 °C (cooling water at 7/12 °C) | kW | 7.00 | 10.00 | 7.00 | 10.00 |
| EER at 35 °C (cooling water at 7/12 °C) | W/W | 3.17 | 2.81 | 3.17 | 2.81 |
| Sound pressure level | Cooling / Heating | dB(A) | 49 / 49 | 49 / 49 | 50 / 50 |
| Sound power level | | dB | 66 | 66 | 67 |
| Dimensions | H x W x D | mm | 1,410 x 1,283 x 320 | 1,410 x 1,283 x 320 | 1,410 x 1,283 x 320 |
| Weight | | kg | 148 | 155 | 161 |
| Refrigerant (R410A) | | kg | 2.30 | 2.30 | 2.30 |
| Water pipe connector | | | R 1 1/4 | R 1 1/4 | R 1 1/4 |
| Pump | Number of speeds | | 7 | 7 | 7 |
| | Input power (Min - Max) | W | 32 / 102 | 32 / 102 | 34 / 110 |
| Heating water flow (ΔT=5 K, 35 °C) | | l/min | 25.8 | 34.4 | 25.8 |
| Capacity of integrated electric heater | | kW | 3 | 6 | 3 |
| Input Power | | kW | 1.90 | 2.57 | 1.90 |
| Starting Current | | A | 10.4 | 16.7 | 2.9 |
| Current 1 | | A | 25.0 | 29.0 | 14.7 |
| Current 2 | | A | 26.0 | 26.0 | 13.0 |
| Current 3 | | A | 13.0 | 13.0 | 13.0 |
| Recommended Fuse | | A | 30 / 30 | 30 / 30 | 16 / 16 |
| Recommended power cable section | | mm² | 4.0 / 4.0 | 4.0 / 4.0 | 2.5 / 2.5 |
| Operation range | Outdoor ambient | °C | -20 / +35 | -20 / +35 | -20 / +35 |
| Water outlet | Heating | °C | 25 - 55 | 25 - 55 | 25 - 55 |
| | Cooling | °C | 5 - 20 | 5 - 20 | 5 - 20 |

COP classification is at 230 V only in accordance with EU directive 2003/32/EC. Sound pressure measured at 1 m from the outdoor unit and at 1.5 m height. Performance in agreement with EN14511.

1. Tentative data.

* WH-MXC09G3E5 and WH-MXC12G6E5 available in June 2015. WH-MXC09G3E8 and WH-MXC12G6E8 available in June 2015. WH-MXC16G9E8 available in August 2015.