

## AQUAREA 6 GENERATION T-CAP MONO-BLOC SINGLE PHASE / THREE PHASE HEATING AND COOLING - MXC



**SG Ready**  
Start Hot Water

**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 AquaArea Manager.
- Optional Smartphone control
- Range from 9 to 16 kW, Single Phase 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         |                     |                           |
|--|-------------------------|-----------------|---------------------|---------------------|---------------------|---------------------------|
|  |                         | WH-MXC09G3E5*   | WH-MXC12G6E5*       | WH-MXC09G3E8*       | WH-MXC12G9E8*       | WH-MXC16G9E8 <sup>1</sup> |
| <b>Outdoor unit Heating and Cooling</b>              |                         |                 |                     |                     |                     |                           |
| Heating capacity at +7 °C (heating water at 35 °C)   | kW                      | 9.00            | 12.00               | 9.00                | 12.00               | 16.00                     |
| COP at +7 °C (heating water at 35 °C)                | W/W                     | 4.84            | 4.74                | 4.84                | 4.74                | 4.28                      |
| Heating capacity at +2 °C (heating water at 35 °C)   | kW                      | 9.00            | 12.00               | 9.00                | 12.00               | 16.00                     |
| COP at +2 °C (heating water at 35 °C)                | W/W                     | 3.59            | 3.44                | 3.59                | 3.44                | 3.10                      |
| Heating capacity at -7 °C (heating water at 35 °C)   | kW                      | 9.00            | 12.00               | 9.00                | 12.00               | 16.00                     |
| COP at -7 °C (heating water at 35 °C)                | W/W                     | 2.85            | 2.72                | 2.85                | 2.72                | 2.49                      |
| Cooling capacity at 35 °C (cooling water at 7/12 °C) | kW                      | 7.00            | 10.00               | 7.00                | 10.00               | 12.20                     |
| EER at 35 °C (cooling water at 7/12 °C)              | W/W                     | 3.17            | 2.81                | 3.17                | 2.81                | 2.57                      |
| Sound pressure level                                 | Cooling / Heating       | dB(A)           | 49 / 49             | 49 / 49             | 50 / 50             | 54 / 53                   |
| Sound power level                                    |                         | dB              | 66                  | 67                  | 66                  | 70                        |
| Dimensions   | H x W x D               | mm              | 1,410 x 1,283 x 320       |
| Weight   |                         | kg              | 148                 | 148                 | 155                 | 161                       |
| Refrigerant (R410A)                                  |                         | kg              | 2.30                | 2.30                | 2.30                | 2.30                      |
| Water pipe connector                                 |                         |                 | R 1 1/4             | R 1 1/4             | R 1 1/4             | R 1 1/4                   |
| Pump   | Number of speeds        |                 | 7                   | 7                   | 7                   | 7                         |
|  | Input power (Min - Max) | W               | 32 / 102            | 34 / 110            | 32 / 102            | 34 / 110                  |
| Heating water flow (ΔT=5 K, 35 °C)                   |                         | l/min           | 25.8                | 34.4                | 25.8                | 34.4                      |
| Capacity of integrated electric heater               |                         | kW              | 3                   | 6                   | 3                   | 9                         |
| Input Power  |                         | kW              | 1.90                | 2.57                | 1.90                | 2.57                      |
| Starting Current                                     |                         | A               | 10.4                | 16.7                | 2.9                 | 3.9                       |
| Current 1  |                         | A               | 25.0                | 29.0                | 14.7                | 11.9                      |
| Current 2  |                         | A               | 26.0                | 26.0                | 13.0                | 13.0                      |
| Current 3  |                         | A               |                     | 13.0                |                     | 13.0                      |
| Recommended Fuse                                     |                         | A               | 30 / 30             | 30 / 30             | 16 / 16             | 16 / 16                   |
| Recommended power cable section                      |                         | mm <sup>2</sup> | 4.0 / 4.0           | 4.0 / 4.0           | 2.5 / 2.5           | 2.5 / 2.5                 |
| Operation range                                      | Outdoor ambient         | °C              | -20 / +35           | -20 / +35           | -20 / +35           | -20 / +35                 |
|  | Heating                 | °C              | 25 - 55             | 25 - 55             | 25 - 55             | 25 - 55                   |
| Water outlet   | Heating                 | °C              | 25 - 55             | 25 - 55             | 25 - 55             | 25 - 55                   |
|  | Cooling                 | °C              | 5 - 20              | 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-MXC12G9E8 available in June 2015. WH-MXC16G9E8 available in August 2015.

|                          |   |  |   |   |  |  |                                      |   |                                  |  |   |
|--------------------------|---|--|---|---|--|--|--------------------------------------|---|----------------------------------|--|---|
| <b>ErP ready</b><br>2015 | <b>Internet Control Ready</b><br>INTERNET CONTROL | <b>A class water pump</b><br>HIGH EFFICIENCY | <b>100% capacity at -15 °C</b><br>AQUAREA T-CAP | <b>High efficiency heating</b><br>INVERTER+ | <b>Environmentally friendly refrigerant</b><br>R410A | <b>Down to -20 °C in heating mode</b><br>OUTDOOR TEMPERATURE | <b>Boiler connection</b><br>RETROFIT | <b>Solar panels connection</b><br>SOLAR KIT | <b>Domestic hot water</b><br>DHW | <b>Easy control by BMS</b><br>CONNECTIVITY | <b>5 year compressor warranty</b><br>INTERNET CONTROL READY: Optional.<br>5 YEARS COMPRESSOR WARRANTY: Only for PRO partners. |
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