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power to transform

# P200 series
## chiller

Water-water chiller

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| Model MA | | P201 | P202 | P203 | P205 | P208 | P210 | P215 | P220 |
|---|---|---|---|---|---|---|---|---|---|
| Cooling power | kW | 1 | 2 | 3 | 5 | 8 | 10 | 15 | 20 |
| Primary water temperature | °C | 15 | | | | | 10 | 5 | |
| Temperature stability | K | +/-0.1 | | | | | | | |
| Weight | kg | 38 | 42 | | 45 | | 50 | 75 | |
| Coolant water outlet | °C | 10 - 35 | | | | | | | |
| Ambient | °C | 15 - 40 | | | | | | | |
| Transportation & storage | °C | 5 - 65 | | | | | | | |
| Water filter (externally mounted) | | F20 | | F20 or 5“ | | | | | |
| Filter grade | | Various filters available | | | | | | | |
| Coolant water | | 2 x G ½“ Internal Thread | | | | | | 2 x G ¾ Internal Thread | |
| Primary water | | 2 x G ½“ Internal Thread | | | | | | 2 x G ¾ Internal Thread | |
| Tank volume | l | 2 | | | 3 | | 3.5 | 10 | |
| Water level indication | | Optical water level display on front panel | | | | | | | |
| Default point | l/min | 2 | 2.5 | | | | 10 | | |
| Voltage | V AC | 230 V AC +/- 10%, others available | | | | | | | |
| Current | A | < 5 A | | | | | | < 8.5 A | |
| Line frequency | Hz | 50 or 60 | | | | | | | |

## Efficient cooling solution with a compact design

Reliable, precise and efficient cooling: the compact P200 system with its central water circuit is a proven solution for numerous applications. A stainless steel plate heat exchanger is integrated between the cold water circuit towards the connected devices (secondary circuit) and the central cooling water circuit (primary circuit). The P200 maintains a temperature difference of 3-5 °C minimum between the two circuits.

The temperature is controlled automatically by way of a motor-driven proportional control valve. It controls the water flow into the primary circuit as a function of the tank temperature, thereby ensuring low water consumption. During operation, the cooling water temperature remains constant with only minimum deviations. The P200 is particularly energy efficient due to the automatic adaptation of the refrigeration capacity to the load requirements (between 1 kW and 20 kW). However, the P200 is also highly flexible in terms of its design: the system is alternatively available as a desktop unit.

## Advantages at a glance:

- Compact 19” plug-in unit with a high component density
- High temperature stability
- Various options possible
- High level of process reliability
- Low maintenance requirements
- High level of energy efficiency

## Equipment

- Temperature stabilisation system
- Water control valve
- RS 232 interface
- Remote start via a 24 V DC signal
- 50 Hz or 60 Hz version
- Further options include a cooling water conductivity measurement system, a heater, an additional temperature sensor in the return flow, or additional motors and pumps
- 4 RU or higher

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