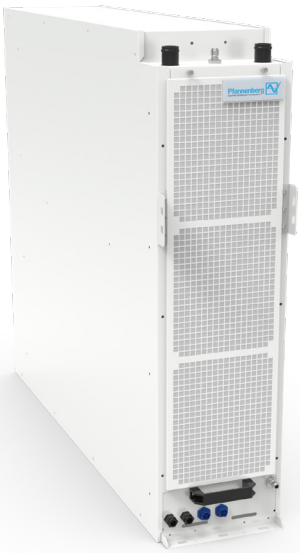
# IMC 8.0
# BESS CHILLER 8 KW

F-gas
R513A



- Slim design suitable for built-in cabinet installation
- Intelligent control: Variety of sensors offer smart control over the whole system with fault alarms
- Designed for harsh and extreme conditions -20°C .. +50°C
- powerfull 2 kW heater integriert
- High efficiency and energy saving: Inverter technology with variable cooling capacities (2kW to 8 kW)
- Precise temperature control: ± 2K, up to ±1K
- Remote communication via Modbus RTU
- Easy connection: Water connection on the top while electrical connection is located on the bottom
- Compliant with the F-gas-regulation

| PRODUCT | IMC 8.0 | | |
|---|---|---|---|
| | | | |
| DATA | | | Unit |
| Rated voltage | 50 | | Hz ± 1 % |
| | 230 | | V ± 10 % |
| Cooling capacity at A35 / W15 | 8 | | kW |
| Heating capacity | 2 | | kW |
| Flow rate (pump)[1] | 20 @ 90kpa | | l/min |
| Ambient air temperature | -20 … +50 | | °C |
| Medium | water + glycol – 50/50 | | |
| Medium temperature (outlet) | +10 … +35; factory setting +18 | | °C |
| Refrigerant type | R513a | | - |
| Rated power consumption A45 / W20 | 4.35 | | kW |
| Rated current consumption (Nominal/Max) | 19.5 | 21.0 | A |
| Rated current for heating (Nominal/Max) | 10.0 | 15.0 | |
| Control voltage | 230V AC | | V |
| Noise level @50 Hz (EN ISO 3741) | <75 | | dB(A) |
| Degrees of protection of electrical equipment (EN 60529) | IP54 | | |
| Weight (net) | 97 | | kg |
| Dimensions (X x Y x Z) (Bracket included) | 278 x 1040 x 1150 (1220) | | mm |
| Corrosion protection EN ISO 12944 | C3 | | |
| Colour | RAL 7035 | | |

**For additional models, options and voltages visit www.pfannenberg.com or contact us directly.**

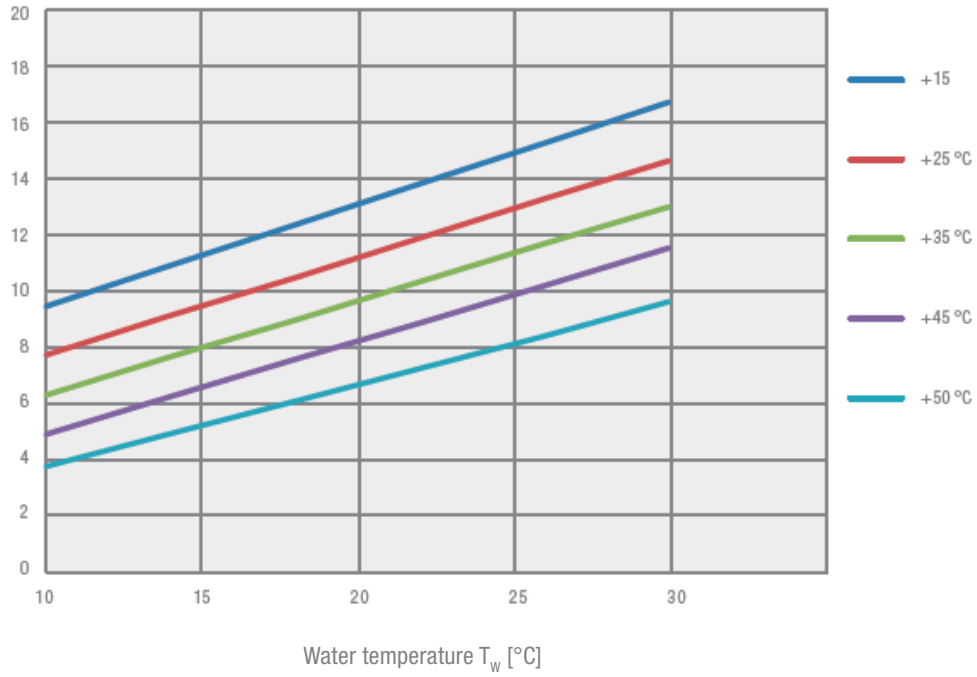
[1] performance data based on 50 Hz operation

CE

## Cooling capacity performance curves

### IMC 8.0

Cooling capacity $Q_0$ [kW]




Water temperature $T_W$ [°C]

## Dimensions

| mm | IMC 8.0 |
|---|---|
| X | 278 |
| Y | 1040 |
| Z | 1220 |

