

## Data sheet

### Hydraulic data

|                                     |                       |
|-------------------------------------|-----------------------|
| Maximum operating pressure $P_N$    | 10 bar                |
| Head max $H_{\max}$                 | 7.0 m                 |
| Flow max $Q_{\max}$                 | 7.2 m <sup>3</sup> /h |
| Minimum suction head at 50 °C $m$   | 3 m                   |
| Minimum suction head at 95 °C $m$   | 10 m                  |
| Minimum suction head at 110 °C      | 16 m                  |
| Min. fluid temperature $T_{\min}$   | -20 °C                |
| Max. fluid temperature $T_{\max}$   | 110 °C                |
| Min. ambient temperature $T_{\min}$ | -20 °C                |
| Max. ambient temperature $T_{\max}$ | 40 °C                 |

### Motor data

|                                |                                                      |
|--------------------------------|------------------------------------------------------|
| Energy efficiency index (EEI)  | 0.20                                                 |
| Mains connection               | 1~230 V $\pm$ 10%, 50/60 Hz                          |
| Min current $I_{\min}$         | 0.08 A                                               |
| Max current $I_{\max}$         | 1 A                                                  |
| Rated power $P_2$              | 90 W                                                 |
| Min. speed $n_{\min}$          | 1000 1/min                                           |
| Max. speed $n_{\max}$          | 3700 1/min                                           |
| Power consumption $P_{1 \min}$ | 5 W                                                  |
| Power consumption $P_{1 \max}$ | 120 W                                                |
| Interference emission          | EN 61800-3;2004+A1;2012 /residential area (C1)       |
| Interference immunity          | EN 61800-3;2004+A1;2012 /industrial environment (C2) |
| Threaded cable connection      | 2 x M20x1.5                                          |
| Insulation class               | F                                                    |
| Protection class               | IPX4D                                                |

### Materials

|              |                 |
|--------------|-----------------|
| Pump housing | Cast iron       |
| Impeller     | PPE/PS-GF30     |
| Shaft        | Stainless steel |
| Bearing      | Carbon-graphite |

### Installation dimensions

|                                              |        |
|----------------------------------------------|--------|
| Pipe connection on the discharge side $DN_d$ | G 2    |
| Pipe connection on the suction side $DN_s$   | G 2    |
| Port-to-port length $LO$                     | 180 mm |

Pump curves

