

## Data sheet

### Hydraulic data

|                                    |        |
|------------------------------------|--------|
| Minimum efficiency index (MEI)     | 0,4    |
| Maximum operating pressure $P_N$   | 10 bar |
| Min. fluid temperature $T_{min}$   | -20 °C |
| Max. fluid temperature $T_{max}$   | 120 °C |
| Min. ambient temperature $T_{min}$ | 0 °C   |
| Max. ambient temperature $T_{max}$ | 40 °C  |

### Motor data

|                                  |                   |
|----------------------------------|-------------------|
| Mains connection                 | 3~380 V, 50/60 Hz |
| Motor efficiency class           | IE4               |
| Rated power $P_2$                | 3 kW              |
| Rated current $I_N$              | 9,3 A             |
| Rated speed $n$                  | 2900 1/min        |
| Max. speed $n_{max}$             | 2900 1/min        |
| Interference emission            | EN 61800-3        |
| Interference immunity            | EN 61800-3        |
| Insulation class                 | F                 |
| Protection class motor           | IP55              |
| Integrated full motor protection | -                 |
| Threaded cable connection        | 1 x M16x1.5       |

### Materials

|              |                 |
|--------------|-----------------|
| Pump housing | Cast iron       |
| Impeller     | PPE/PS-GF30     |
| Shaft        | Stainless steel |
| Shaft seal   | AQ1EGG          |
| Lantern      | Cast iron       |

### Approved liquids (other liquids upon request)

|   |                                      |
|---|--------------------------------------|
| Heating water (as per VDI 2035)   | yes                                  |
| Heat carrier oil  | Special version at additional charge |
| Cooling and cold water circulation systems  | yes                                  |
| Water-glycol mixtures (at 20 - 40 vol. % glycol and fluid temperature $\leq 40$ °C) | yes                                  |

### Installation dimensions

|   |        |
|---|--------|
| Port-to-port length $L_0$                   | 340 mm |
| Pipe connection on the suction side $DN_s$  | DN 65  |
| Pipe connection on the pressure side $DN_d$ | DN 65  |