

## Data sheet

## Hydraulic data

|                                     |           |
|-------------------------------------|-----------|
| Minimum efficiency index (MEI)      | 0,4       |
| Max. operating pressure $p$         | 10 bar    |
| Maximum operating pressure $PN$     | 10 bar    |
| Min. fluid temperature $T_{\min}$   | -20 °C    |
| Max. fluid temperature $T_{\max}$   | 120 °C    |
| Max. ambient temperature $T_{\max}$ | 40 °C     |
| Flow max $Q_{\max}$                 | 48,9 m³/h |
| Flow opt $Q_{\text{opt}}$           | 28,3 m³/h |
| Head max $H_{\max}$                 | 5,6 m     |
| Head opt $H_{\text{opt}}$           | 4,8 m     |
| Head $H_{Q\min}$                    | 5,6 m     |
| Head $H_{20}$                       | 5,4       |
| Head $H_{40}$                       | 3,2       |

## Motor data

|                                  |                 |
|----------------------------------|-----------------|
| Mains connection                 | 3~400 V, 50 Hz  |
| Voltage tolerance                | ±10 %           |
| Rated power $P_2$                | 0,55 kW         |
| Rated current $I_N$              | 1,45 A          |
| Rated speed $n$                  | 1450 1/min      |
| Power factor $\cos \varphi$      | 0,71            |
| Motor efficiency $\eta_M$ 50%    | 72,4 Percentage |
| Motor efficiency $\eta_M$ 75%    | 78,5 Percentage |
| Motor efficiency $\eta_M$ 100%   | 78,5 Percentage |
| Motor winding up to 3 kW         | -               |
| Motor winding from 4 kW          | -               |
| Insulation class                 | F               |
| Protection class motor           | IP55            |
| Integrated full motor protection | -               |

## Materials

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

## Installation dimensions

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