

## Data sheet

## Hydraulic data

|                                     |            |
|-------------------------------------|------------|
| Minimum efficiency index (MEI)      | 0,4        |
| Max. operating pressure $p$         | 10 bar     |
| Maximum operating pressure $P_N$    | 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 $Q_{\max}$                 | 119,7 m³/h |
| Flow opt $Q_{\text{opt}}$           | 70,9 m³/h  |
| Head max $H_{\max}$                 | 15,6 m     |
| Head opt $H_{\text{opt}}$           | 12,3 m     |
| Head $H_{Q_{\min}}$                 | 15,6 m     |
| Head $H_{20}$                       | 15,4       |
| Head $H_{40}$                       | 14,4       |
| Head $H_{60}$                       | 13,2       |
| Head $H_{80}$                       | 11,4       |
| Head $H_{100}$                      | 8,2        |

## Motor data

|                                  |                 |
|----------------------------------|-----------------|
| Mains connection                 | 3~400 V, 50 Hz  |
| Voltage tolerance                | ±10 %           |
| Rated power $P_2$                | 4 kW            |
| Rated current $I_N$              | 7,75 A          |
| Rated speed $n$                  | 2900 1/min      |
| Power factor $\cos \varphi$      | 0,83            |
| Motor efficiency $\eta_M$ 50%    | 86,1 Percentage |
| Motor efficiency $\eta_M$ 75%    | 87,5 Percentage |
| Motor efficiency $\eta_M$ 100%   | 88,1 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 80  |
| Pipe connection on the pressure side $DN_d$ | DN 80  |
| Port-to-port length $L_0$                   | 360 mm |