

## Data sheet

## Hydraulic data

|                                    |                                    |
|------------------------------------|------------------------------------|
| Minimum efficiency index (MEI)     | ≥0.4                               |
| Maximum operating pressure $P_N$   | 16 bar                             |
| Note on dimensioning               | 16 bar to 120 °C, 13 bar to 140 °C |
| Min. fluid temperature $T_{min}$   | -20 °C                             |
| Max. fluid temperature $T_{max}$   | 140 °C                             |
| Min. ambient temperature $T_{min}$ | 0 °C                               |
| Max. ambient temperature $T_{max}$ | 40 °C                              |

## Drive

|                                |                   |
|--------------------------------|-------------------|
| Mains connection               | 3~380 V, 50/60 Hz |
| Number of poles                | 2                 |
| Motor efficiency class         | IE4               |
| Power consumption $P_{1\ max}$ | 19.40 kW          |
| Rated power $P_2$              | 18.5 kW           |
| Max current $I_{max}$          | 28.7 A            |
| Emitted interference           | EN 61800-3        |
| Interference resistance        | EN 61800-3        |
| Insulation class               | F                 |
| Protection class motor         | IP55              |
| Motor protection               | PTC integrated    |

## Materials

|              |                              |
|--------------|------------------------------|
| Pump housing | 5.1301/EN-GJL-250 KTL-coated |
| Impeller     | Grey cast iron               |
| Shaft        | Stainless steel              |
| Shaft seal   | AQ1EGG                       |
| Lantern      | Grey 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 ≤ 40 °C) | yes                                  |

## Installation dimensions

|                                             |        |
|---------------------------------------------|--------|
| Pipe connection on the suction side $DNs$   | DN 100 |
| Pipe connection on the discharge side $DNd$ | DN 80  |