

## 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 $P_2$	4 kW
Rated current $I_N$	12 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 $L_0$	360 mm
Pipe connection on the suction side $DN_s$	DN 80
Pipe connection on the pressure side $DN_d$	DN 80