

## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	16 bar
Min. fluid temperature for HVAC applications $T_{min}$	0 °C
Max. fluid temperature for HVAC $T$	80 °C
Min. ambient temperature $T_{min}$	0 °C
Max. ambient temperature $T_{max}$	40 °C
Max. permitted total water hardness	3.57 mmol/l (20°dH)

### Motor data

Energy efficiency index (EEI)	0,17
Mains connection	1~230 V, 50/60 Hz
Rated power $P_2$	0,46 kW
Rated current $I_N$	2,4 A
Min. speed $n_{min}$	650 1/min
Max. speed $n_{max}$	3050 1/min
Power consumption $P_{1 min}$	10 W
Power consumption $P_{1 max}$	550 W
Interference emission	EN 61800-3;2004+A1;2012 /residential area (C1)
Interference immunity	EN 61800-3;2004+A1;2012 /industrial environment (C2)
Speed control	Frequency converter
Insulation class	F
Protection class motor	IPX4D
Motor protection	Internal protection overheating and overcurrent

### Materials

Pump housing	Stainless steel
Impeller	PPS-GF40
Shaft	1.4122, DLC-coated
Bearing	Carbon-graphite

### Installation dimensions

Pipe connection on the suction side $DN_s$	DN 50
Pipe connection on the pressure side $DN_d$	DN 50
Port-to-port length $L_0$	280 mm