

## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	10 bar
Max. delivery head $H$	13 m
Max. volume flow $Q$	24,8 m <sup>3</sup> /h
Min. fluid temperature for HVAC applications $T_{\min}$	-20 °C
Max. fluid temperature for HVAC $T$	110 °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)	0,20
Mains connection	1~230 V, 50/60 Hz
Rated power $P_2$	0,45 kW
Rated current $I_N$	2,4 A
Min. speed $n_{\min}$	950 1/min
Max. speed $n_{\max}$	4600 1/min
Power consumption $P_{1 \min}$	15 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	Bronze
Impeller	PPS-GF40
Shaft	Stainless steel
Bearing	Carbon, synthetic resin-impregnated

### Installation dimensions

Pipe connection on the suction side $DN_s$	DN 40
Pipe connection on the pressure side $DN_d$	DN 40
Port-to-port length $L_0$	250 mm