Data sheet

Hydraulic data

Maximum operating pressure *PN*	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 *DNs*	DN 50
Pipe connection on the pressure side *DNd*	DN 50
Port-to-port length *L0*	280 mm