

Data sheet

Hydraulic data

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| Maximum operating pressure P_N | 10 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

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|-------------------------------|--|
| Energy efficiency index (EEI) | 0,17 |
| Mains connection | 1~230 V, 50/60 Hz |
| Rated power P_2 | 0,48 kW |
| Rated current I_N | 2,49 A |
| Min. speed n_{min} | 650 1/min |
| Max. speed n_{max} | 3600 1/min |
| Power consumption $P_{1 min}$ | 10 W |
| Power consumption $P_{1 max}$ | 570 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

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

Installation dimensions

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|---|--------|
| 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 |