

## Data sheet

### Hydraulic data

Maximum operating pressure $P_N$	10 bar
Delivery head for $Q_{min}$ $H_{Q_{min}}$	9,3 m
Max. volume flow $Q_{max}$	9,5 m <sup>3</sup> /h
Min. fluid temperature for HVAC applications $T_{min}$	-20 °C
Max. fluid temperature for HVAC applications $T_{max}$	110 °C
Min. fluid temperature for drinking water applications $T_{min}$	0
Max. fluid temperature for drinking water applications $T_{max}$	80
Max. fluid temperature for drinking water applications in short-time duty (2 hours) $T_{max}$	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) (3.21 mmol/l (18°dH) for 20/4 + 25/6)

### Motor data

Mains connection	3~400 V, 50 Hz
Rated power $P_2$	180 W
Rated current $I_N$	0,77 A
Max. speed $n_{max}$	2700 1/min
Power consumption $P_{1 min}$	100 W
Power consumption $P_{1 max}$	310 W
Interference emission	EN 61000-6-3
Interference immunity	EN 61000-6-2
Protection class motor	IPX4D
Insulation class	H
Threaded cable connection	2 x PG13.5
Motor protection	External protection WSK

### Materials

Pump housing	Bronze
Impeller	PPE-GF30
Shaft	Stainless steel
Bearing	Carbon, synthetic resin-impregnated

### Installation dimensions

Pipe connection on the suction side $DNs$	G 1½
Pipe connection on the pressure side $DNd$	G 1½
Port-to-port length $L0$	180 mm