

## Data sheet

### Hydraulic data

<b>Maximum operating pressure <math>P_N</math></b>	10 bar
<b>Head max <math>H_{\max}</math></b>	5.0 m
<b>Flow max <math>Q_{\max}</math></b>	11.0 m <sup>3</sup> /h
<b>Minimum suction head at 50 °C <math>m</math></b>	3 m
<b>Minimum suction head at 95 °C <math>m</math></b>	10 m
<b>Minimum suction head at 110 °C</b>	16 m
<b>Min. fluid temperature <math>T_{\min}</math></b>	-20 °C
<b>Max. fluid temperature <math>T_{\max}</math></b>	110 °C
<b>Min. ambient temperature <math>T_{\min}</math></b>	-20 °C
<b>Max. ambient temperature <math>T_{\max}</math></b>	40 °C

### Motor data

<b>Energy efficiency index (EEI)</b>	0.20
<b>Mains connection</b>	1~230 V ±10%, 50/60 Hz
<b>Min current <math>I_{\min}</math></b>	0.09 A
<b>Max current <math>I_{\max}</math></b>	1 A
<b>Rated power <math>P_2</math></b>	90 W
<b>Min. speed <math>n_{\min}</math></b>	1200 1/min
<b>Max. speed <math>n_{\max}</math></b>	3700 1/min
<b>Power consumption <math>P_{1\min}</math></b>	7 W
<b>Power consumption <math>P_{1\max}</math></b>	120 W
<b>Interference emission</b>	EN 61800-3;2004+A1;2012 /residential area (C1)
<b>Interference immunity</b>	EN 61800-3;2004+A1;2012 /industrial environment (C2)
<b>Threaded cable connection</b>	2 x M20x1.5
<b>Insulation class</b>	F
<b>Protection class</b>	IPX4D

### Materials

<b>Pump housing</b>	Cast iron
<b>Impeller</b>	PPS-GF40
<b>Shaft</b>	Stainless steel
<b>Bearing</b>	Carbon-graphite

### Installation dimensions

<b>Pipe connection on the discharge side <math>D_{Nd}</math></b>	DN 40
<b>Pipe connection on the suction side <math>D_{Ns}</math></b>	DN 40
<b>Port-to-port length <math>L_0</math></b>	220 mm