

Data sheet

Hydraulic data

Minimum efficiency index (MEI)	0.4
Min. fluid temperature T_{\min}	-20 °C
Max. fluid temperature T_{\max}	140 °C
Max. ambient temperature T_{\max}	40 °C
Maximum operating pressure PN	16 bar
Note on dimensioning	16 bar to 120°C, 13 bar to 140°C

Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Motor efficiency class	IE3
Rated power P_2	18.5 kW
Rated current I_N	31.8 A
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0.91
Motor efficiency η_M 50%	90.9 %
Motor efficiency η_M 75%	92 %
Motor efficiency η_M 100%	92.1 %
Motor winding up to 3 kW	-
Motor winding from 4 kW	-
Insulation class	F
Protection class motor	IP55
Motor protection	no

Materials

Pump housing	Cast iron
Impeller	EN-GJL-200 (GG-20) Cast iron
Shaft	Stainless steel
Mechanical seal	AQ1EGG
Lantern	Cast iron

Installation dimensions

Pipe connection on the suction side DN_s	DN 100
Pipe connection on the discharge side DN_d	DN 100
Port-to-port length LO	500 mm

Pump curves

