

Data sheet

Hydraulic data

Minimum efficiency index (MEI)	0,4
Max. operating pressure p	10 bar
Maximum operating pressure PN	10 bar
Min. fluid temperature T_{\min}	-20 °C
Max. fluid temperature T_{\max}	120 °C
Max. ambient temperature T_{\max}	40 °C
Flow max Q_{\max}	89,5 m ³ /h
Flow opt Q_{opt}	73,7 m ³ /h
Head max H_{\max}	33,0 m
Head opt H_{opt}	27,1 m
Head $H_{Q_{\min}}$	33,0 m
Head H_{20}	33,1
Head H_{40}	32,1
Head H_{60}	29,6
Head H_{80}	25,8

Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power P_2	7,5 kW
Rated current I_N	13,6 A
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,86
Motor efficiency η_M 50%	88,9 Percentage
Motor efficiency η_M 75%	90,3 Percentage
Motor efficiency η_M 100%	90,1 Percentage
Motor winding up to 3 kW	-
Motor winding from 4 kW	-
Insulation class	F
Protection class motor	IP55
Integrated full motor protection	-

Materials

Pump housing	Cast iron
Impeller	Cast iron
Shaft	Stainless steel
Mechanical seal	AQ1EGG
Lantern	Cast iron

Installation dimensions

Pipe connection on the suction side DN_s	DN 65
Pipe connection on the pressure side DN_d	DN 65
Port-to-port length L_0	430 mm