

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 $Q_{\max}$	47,1 m³/h
Flow opt Q_{opt}	47,1 m³/h
Head max $H_{\max}$	43,1 m
Head opt H_{opt}	39,1 m
Head $H_{Q\min}$	43,1 m
Head H_{20}	44,3
Head H_{40}	41,1

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 50
Pipe connection on the pressure side DN_d	DN 50
Port-to-port length L_0	440 mm