

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 $Q_{\max}$	45,2 m³/h
Flow opt Q_{opt}	38,5 m³/h
Head max $H_{\max}$	40,8 m
Head opt H_{opt}	33,9 m
Head $H_{Q\min}$	40,8 m
Head H_{20}	39,9
Head H_{40}	33,2

Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power P_2	5,5 kW
Rated current I_N	10 A
Rated speed n	2900 1/min
Power factor $\cos \varphi$	0,89
Motor efficiency η_M 50%	86,7 Percentage
Motor efficiency η_M 75%	88,9 Percentage
Motor efficiency η_M 100%	89,2 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 40
Pipe connection on the pressure side DN_d	DN 40
Port-to-port length L_0	340 mm