

Data sheet

Hydraulic data

Minimum efficiency index (MEI)	≥0.4
Maximum operating pressure P_N	16 bar
Note on dimensioning	16 bar to 120 °C, 13 bar to 140 °C
Min. fluid temperature T_{min}	-20 °C
Max. fluid temperature T_{max}	140 °C
Min. ambient temperature T_{min}	0 °C
Max. ambient temperature T_{max}	40 °C

Drive

Mains connection	3~380 V, 50/60 Hz
Number of poles	4
Motor efficiency class	IE4
Power consumption $P_{1\ max}$	20.30 kW
Rated power P_2	18.5 kW
Max current I_{max}	31.6 A
Emitted interference	EN 61800-3
Interference resistance	EN 61800-3
Insulation class	F
Protection class motor	IP55
Motor protection	PTC integrated

Materials

Pump housing	5.1301/EN-GJL-250 KTL-coated
Impeller	Grey cast iron
Shaft	Stainless steel
Shaft seal	AQ1EGG
Lantern	Grey cast iron

Approved liquids (other liquids upon request)

Heating water (as per VDI 2035)	yes
Heat carrier oil	Special version at additional charge
Cooling and cold water circulation systems	yes
Water-glycol mixtures (at 20 – 40 vol. % glycol and fluid temperature ≤ 40 °C)	yes

Installation dimensions

Pipe connection on the suction side D_Ns	DN 100
Pipe connection on the discharge side DNd	DN 80