

## 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 $Q_{\max}$	145,1 m <sup>3</sup> /h
Flow opt $Q_{\text{opt}}$	84,4 m <sup>3</sup> /h
Head max $H_{\max}$	5,7 m
Head opt $H_{\text{opt}}$	4,3 m
Head $H_{Q_{\min}}$	5,7 m
Head $H_{20}$	5,7
Head $H_{40}$	5,6
Head $H_{60}$	5,2
Head $H_{80}$	4,5
Head $H_{100}$	3,6
Head $H_{120}$	2,6

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	1,5 kW
Rated current $I_N$	3,05 A
Rated speed $n$	1450 1/min
Power factor $\cos \varphi$	0,83
Motor efficiency $\eta_M$ 50%	83 Percentage
Motor efficiency $\eta_M$ 75%	85 Percentage
Motor efficiency $\eta_M$ 100%	85,3 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 100
Pipe connection on the pressure side $DN_d$	DN 100
Port-to-port length $L_0$	500 mm