

## 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 $Q_{\max}$	119,1 m <sup>3</sup> /h
Flow opt $Q_{\text{opt}}$	77,9 m <sup>3</sup> /h
Head max $H_{\max}$	18,4 m
Head opt $H_{\text{opt}}$	12,3 m
Head $H_{Q_{\min}}$	18,4 m
Head $H_{20}$	18,1
Head $H_{40}$	16,7
Head $H_{60}$	14,7
Head $H_{80}$	12,0
Head $H_{100}$	8,6

### Motor data

Mains connection	3~400 V, 50 Hz
Voltage tolerance	±10 %
Rated power $P_2$	4 kW
Rated current $I_N$	7,75 A
Rated speed $n$	2900 1/min
Power factor $\cos \varphi$	0,83
Motor efficiency $\eta_M$ 50%	86,1 Percentage
Motor efficiency $\eta_M$ 75%	87,5 Percentage
Motor efficiency $\eta_M$ 100%	88,1 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	PPE/PS-GF30
Shaft	Stainless steel
Mechanical seal	AQ1EGG
Lantern	Cast iron

### Installation dimensions

Pipe connection on the suction side $DN_s$	DN 80
Pipe connection on the pressure side $DN_d$	DN 80
Port-to-port length $L_0$	360 mm