

Technical data

High-pressure multistage centrifugal pump Helix FIRST V 8002-5/16/E/KS/380-60-Q7

Project ID

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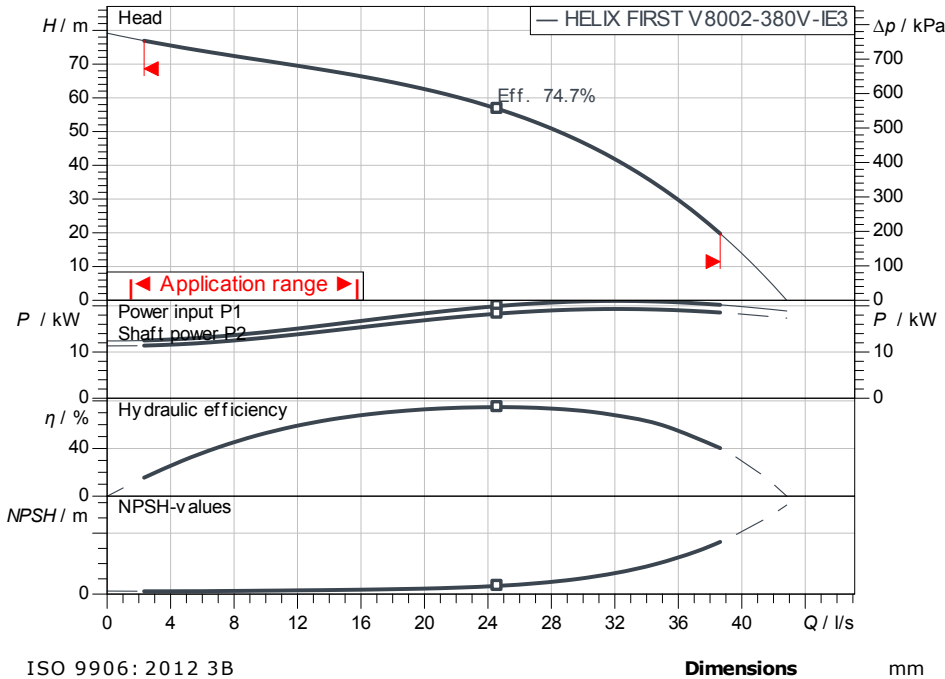
Project name

Installation location

Customer pos. No.

Date 2025-03-17

Duty chart



Requested data

Flow	
Head	
Media	Water 100 %
Fluid temperature	20.00 °C
Density	998.30 kg/m ³
Kin. viscosity	1.00 mm ² /s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P2	
Hydraulic efficiency	
NPSH	

Product data

High-pressure multistage centrifugal pump	
Helix FIRST V 8002-5/16/E/KS/380-60-Q7	
Max. operating pressure	1,600 kPa
Inlet pressure max.	10 bar
Fluid temperature	-20 °C ... +120 °C
Max. ambient temperature	50 °C
Minimum efficiency index (MEI)	

Motor data per Motor/Pump

Motor efficiency level	
Mains connection	3~ 400 V / 60 Hz
Permitted voltage tolerance	+/-10 %
Max. speed	2,960 1/min
Rated power P2	22.00 kW
Rated current	39.10 A
Power factor	0.87
Service factor	0
Efficiency	
50% / 75% / 100%	91.7/92.7/92.7%
Degree of protection	
Insulation class	
Motor protection	

Fitting dimensions

Pipe connection on the suction side	DN 100, PN 16
Pipe connection (pressure side)	DN 100, PN 16

Materials

Pump housing	5.1301/EN-GJL-250
Impeller	1.4408
Shaft	1.4057
Shaft seal	Q7Q7
Gasket material	EPDM

Information for order placements

Weight approx.	208 kg
Item number	4267838