

Technical data

High-pressure multistage centrifugal pump Helix FIRST V 10502-5/16/E/KS/400-50-Q7

Project ID

Untitled project 2025-03-17 02:25:35.340

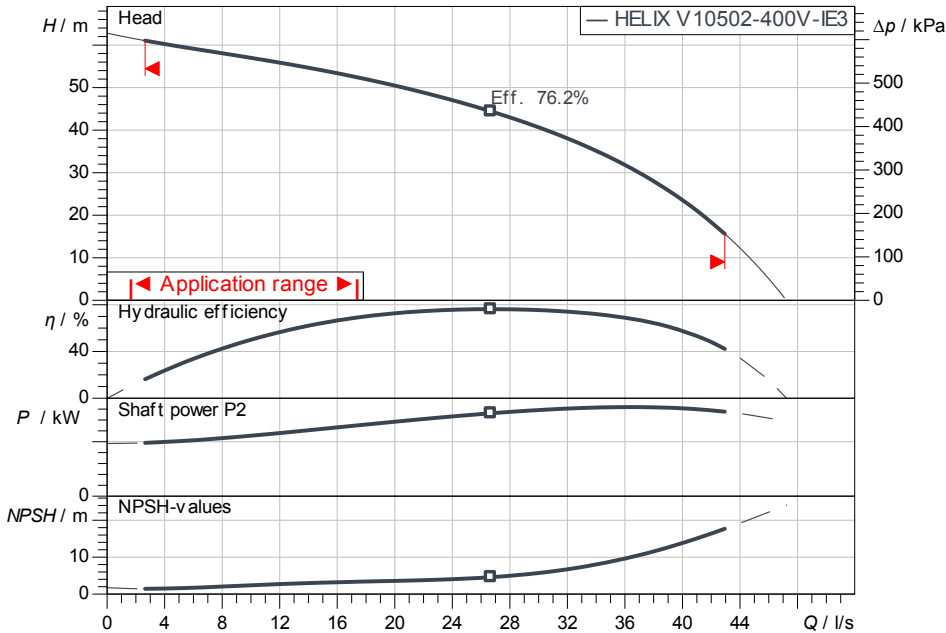
Project name

Installation location

Customer pos. No.

Date 2025-03-17

Duty chart



ISO 9906: 2012 3B

Dimensions

H	1,25
H2	769
X	218

mm

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 P_2	
Hydraulic efficiency	
NPSH	

Product data

High-pressure multistage centrifugal pump	
Helix FIRST V 10502-5/16/E/KS/400-50-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)	≥ 0.7

Motordata per Motor/Pump

Motor efficiency level	IE3
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+10 %
Max. speed	2,955 1/min
Rated power P_2	18.50 kW
Rated current	32.80 A
Power factor	0.89
Service factor	0
Efficiency	
50% / 75% / 100%	91.6/92.5/92.4%
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.	194 kg
Item number	4267706