

Technical data

High-pressure multistage centrifugal pump Helix FIRST V 1010-5/25/E/KS/460-60

Project ID

Untitled project 2025-03-05 07:27:14.016

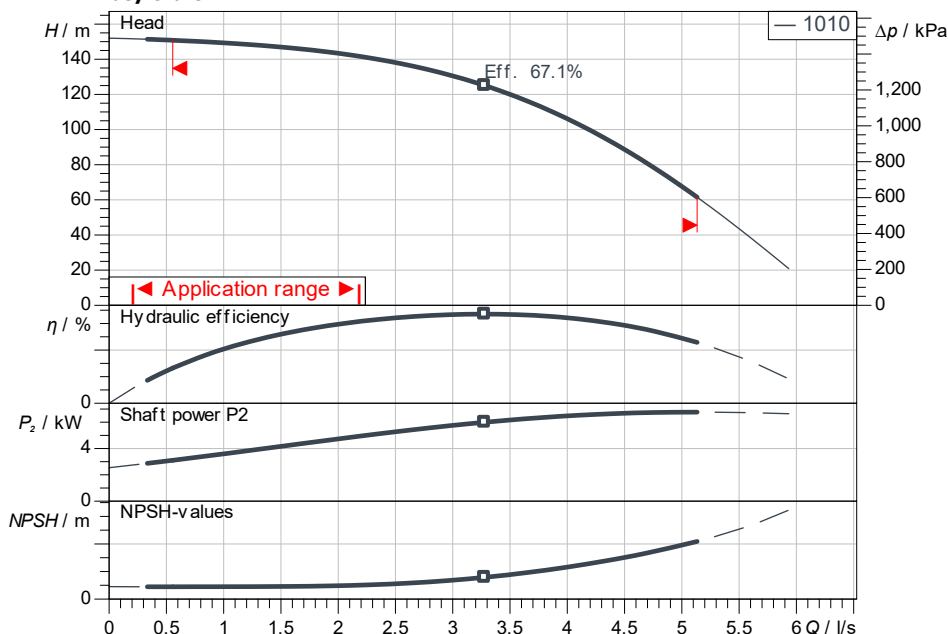
Project name

Installation location

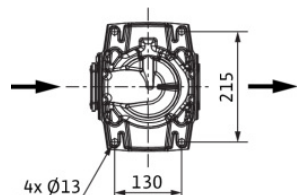
Customer pos. No.

Date 2025-03-05

Duty chart



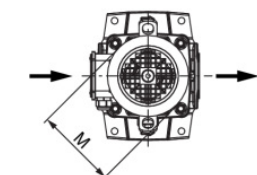
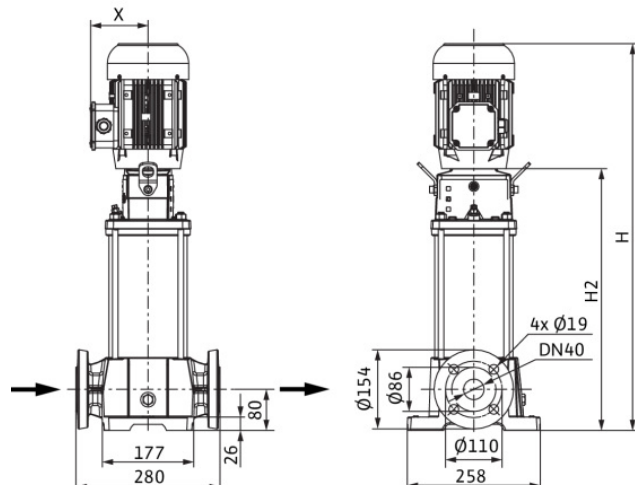
ISO 9906: 2012 3B



Dimensions

H	1,23
H2	855
X	196

mm



Requested data

Flow	
Head	
Media	Water 100 %
Fluid temperature	20.00 °C
Density	998.30 kg/m³
Kin. viscosity	1.00 mm²/s

Hydraulic data (Duty point)

Flow	
Head	
Shaft power P2	
Hydraulic efficiency	
NPSH	

Product data

High-pressure multistage centrifugal pump	
Helix FIRST V 1010-5/25/E/KS/460-60	
Max. operating pressure	2,500 kPa
Inlet pressure max.	10 bar
Fluid temperature	-20 °C ... +120 °C
Max. ambient temperature	50 °C
Minimum efficiency index (MEI)	

Motordata per Motor/Pump

Motor efficiency level	
Mains connection	3~ 400 V / 60 Hz
Permitted voltage tolerance	+/- 10 %
Max. speed	2,923 1/min
Rated power P2	7.50 kW
Rated current	13.80 A
Power factor	0.87
Service factor	1.15
Efficiency	
50% / 75% / 100%	89.6/90.5/90.1%
Degree of protection	IP55
Insulation class	
Motor protection	PTC

Fitting dimensions

Pipe connection on the suction side	DN 40, PN 25
Pipe connection (pressure side)	DN 40, PN 25

Materials

Pump housing	5.1301/EN-GJL-250
Impeller	1.4307
Shaft	1.4301
Shaft seal	BQ7EGG
Gasket material	EPDM

Information for order placements

Weight approx.	86 kg
Item number	4200961