

Technical data

High-pressure multistage centrifugal pump Helix FIRST V 411-5/16/E/S/460-60

Project ID

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

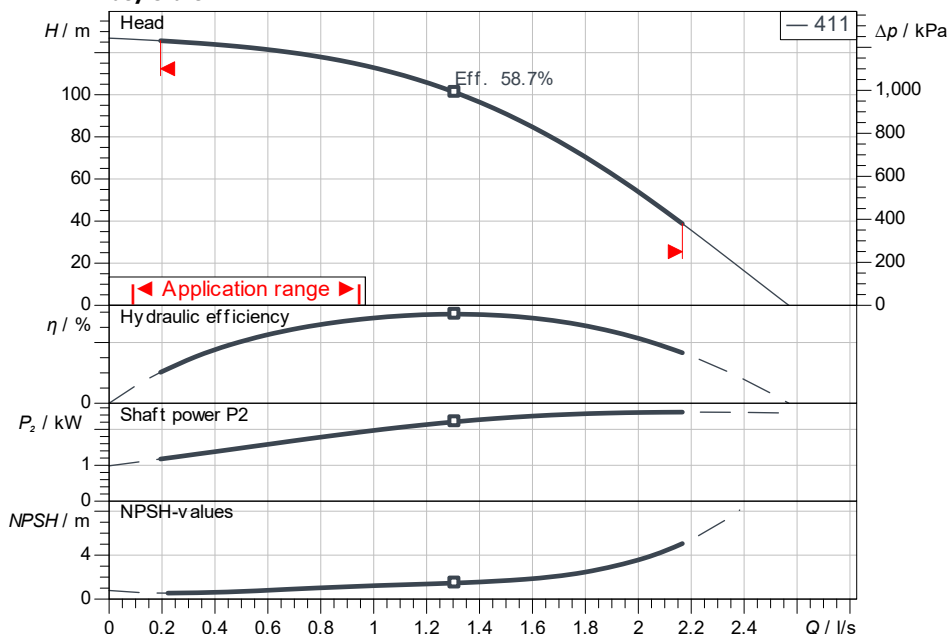
Project name

Installation location

Customer pos. No.

Date 2025-03-05

Duty chart

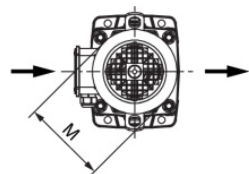
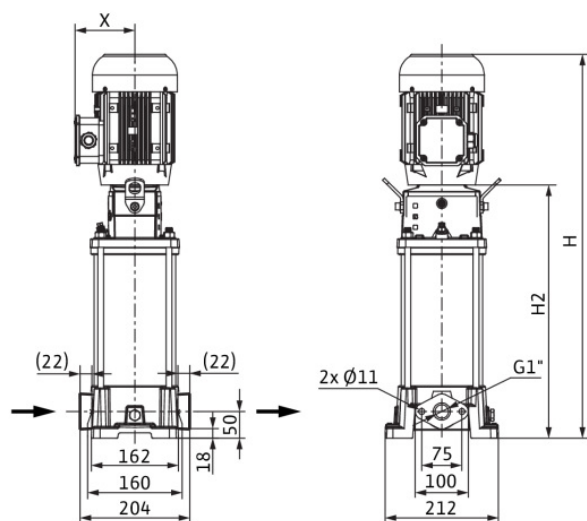
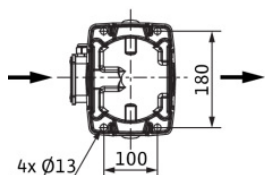


ISO 9906: 2012 3B

Dimensions

H	833
H2	544
X	146

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 411-5/16/E/S/460-60	
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)	

Motordata per Motor/Pump

Motor efficiency level	
Mains connection	3~ 400 V / 60 Hz
Permitted voltage tolerance	+/-10 %
Max. speed	2,914 1/min
Rated power P2	3.00 kW
Rated current	6.10 A
Power factor	0.8
Service factor	1.15
Efficiency	
50% / 75% / 100%	86.5/87.5/87.1%
Degree of protection	IP55
Insulation class	
Motor protection	PTC

Fitting dimensions

Pipe connection on the suction side	G 1, PN 16
Pipe connection (pressure side)	G 1, PN 16

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.	43.7 kg
Item number	4201101