

**Customer**

## Technical data

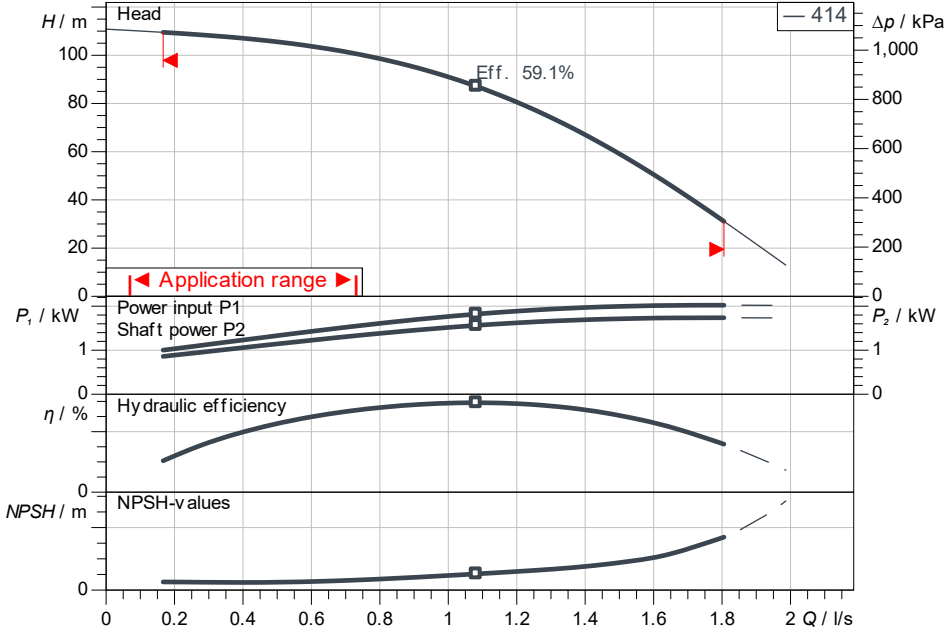
### High-pressure multistage centrifugal pump Helix FIRST V 414-5/25/E/S/400-50

Project ID: Untitled project 2025-03-03 15:12:38.853

Project name  
Installation location  
Customer pos. No.

Date: 2025-03-03

#### Duty chart



#### Requested data

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

#### Hydraulic data (Duty point)

Flow	
Head	
Shaft power P2	
Hydraulic efficiency	
NPSH	

#### Product data

High-pressure multistage centrifugal pump Helix FIRST V 414-5/25/E/S/400-50	
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	2,900 1/min
Rated power P2	2.20 kW
Rated current	4.30 A
Power factor	0.87
Service factor	1.15
Efficiency	50% / 75% / 100% 84.8/86.2/85.9%
Degree of protection	IP55
Insulation class	F
Motor protection	PTO

#### Fitting dimensions

Pipe connection on the suction side	DN 25, PN 25
Pipe connection (pressure side)	DN 25, 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.	44 kg
Item number	4201111

ISO 9906: 2012 3B

#### Dimensions

H	926
H2	632
ØM	172
X	132
X	132

mm

