

**Customer**

# Technical data

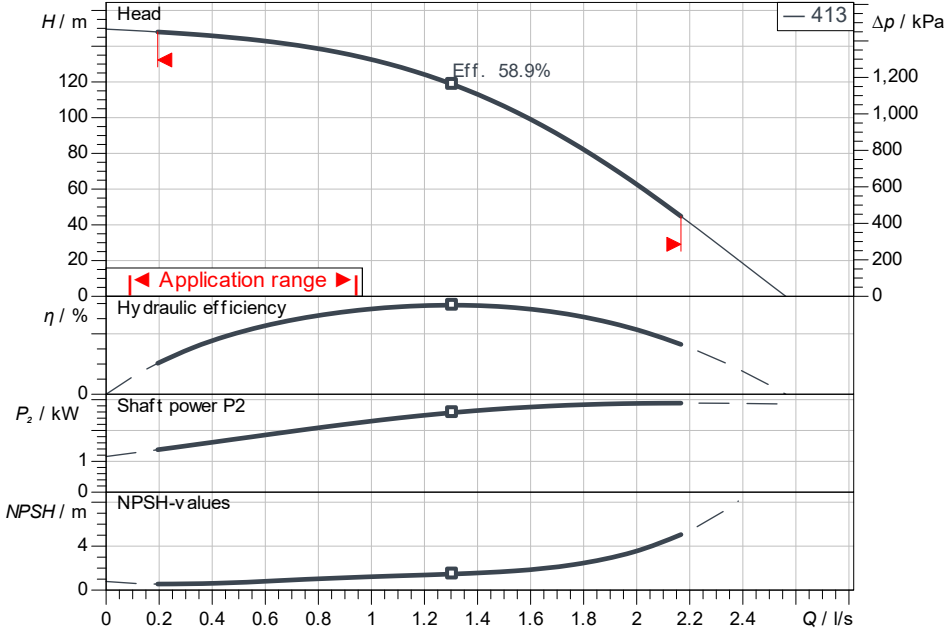
## High-pressure multistage centrifugal pump Helix FIRST V 413-5/25/E/KS/460-60

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

Project name  
Installation location  
Customer pos. No.

Date                      2025-03-05

**Duty chart**



**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 P <sub>2</sub>	
Hydraulic efficiency	
NPSH	

**Product data**

High-pressure multistage centrifugal pump Helix FIRST V 413-5/25/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	2,914 1/min
Rated power P <sub>2</sub>	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	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.	54 kg
Item number	4201107

ISO 9906: 2012 3B

**Dimensions**

H	981
H2	692
X	146

mm

