

**Customer**

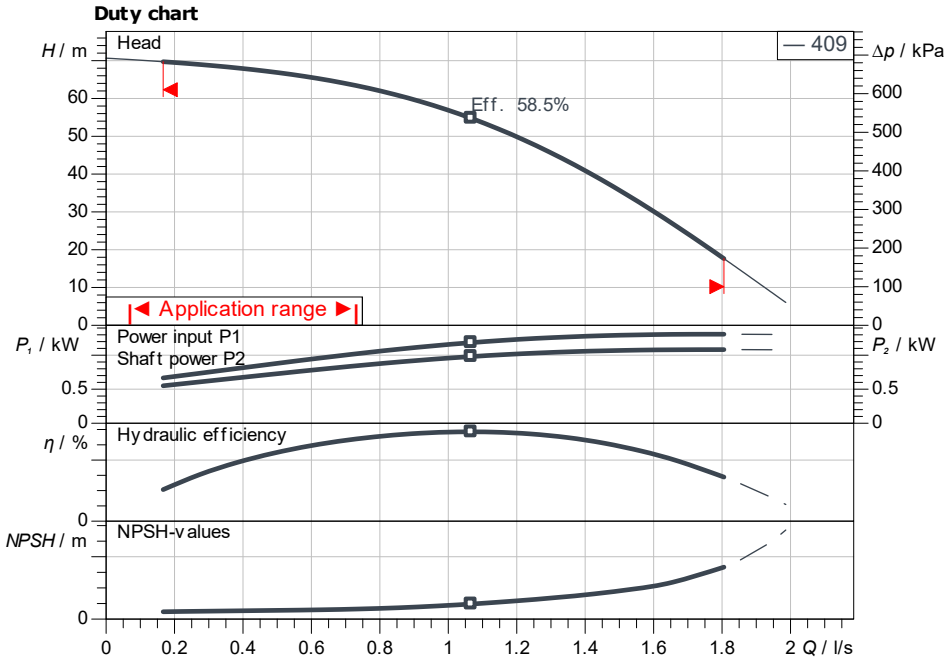
## Technical data

### High-pressure multistage centrifugal pump Helix FIRST V 409-5/25/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



**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 409-5/25/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	1.10 kW
Rated current	2.50 A
Power factor	0.8
Service factor	1.15
Efficiency	50% / 75% / 100% → 78.7/82/82.7%
Degree of protection	IP55
Insulation class	F
Motor protection	No

**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.	35 kg
Item number	4201096

ISO 9906: 2012 3B

**Dimensions**

H	725
H2	497
ØM	170
X	136
X	115

mm

