

**Customer**

# Technical data

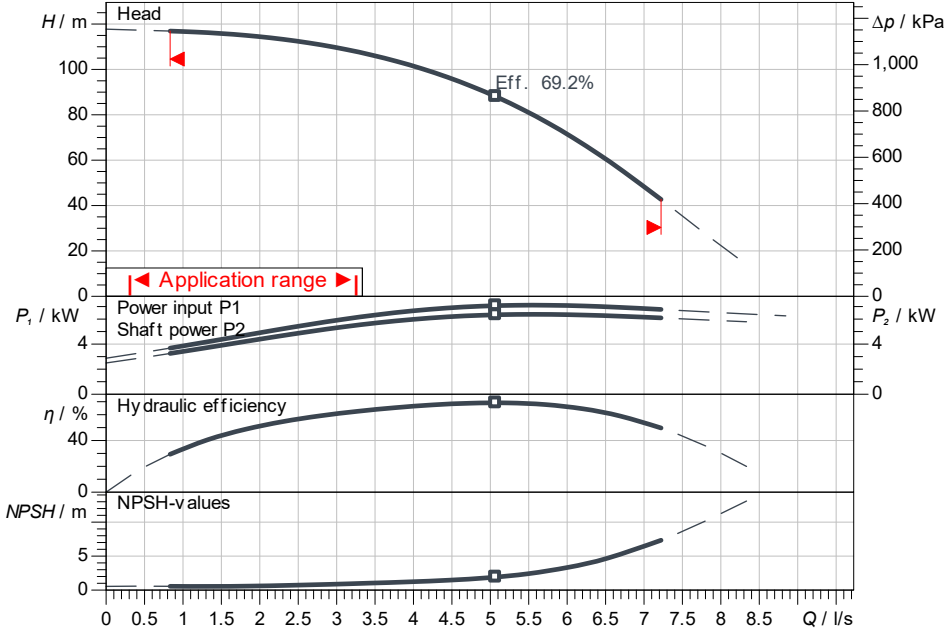
## High-pressure multistage centrifugal pump Helix V 1609-1/16/E/KS/400-50

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 V 1609-1/16/E/KS/400-50	
Max. operating pressure	1,600 kPa
Inlet pressure max.	10 bar
Fluid temperature	-30 °C ... +120 °C
Max. ambient temperature	50 °C
Minimum efficiency index (MEI)	≥ 0.5

### Motordata per Motor/Pump

Motor efficiency level	IE3
Mains connection	3~ 400 V / 50 Hz
Permitted voltage tolerance	+10 %
Max. speed	2,905 1/min
Rated power P2	7.50 kW
Rated current	13.70 A
Power factor	0.88
Service factor	1.15
Efficiency	50% / 75% / 100% 89.8/90.5/90.1%
Degree of protection	IP55
Insulation class	F
Motor protection	No

### Fitting dimensions

Pipe connection on the suction side	G 2, PN 16
Pipe connection (pressure side)	G 2, PN 16

### Materials

Pump housing	1.4301
Impeller	1.4307
Shaft	1.4301
Shaft seal	BQ7EGG
Gasket material	EPDM

### Information for order placements

Weight approx.	70 kg
Item number	4141176

ISO 9906: 2012 3B

### Dimensions

H	1,30
H2	942
ØM	225
X	191
X	160

mm

