

**Customer**

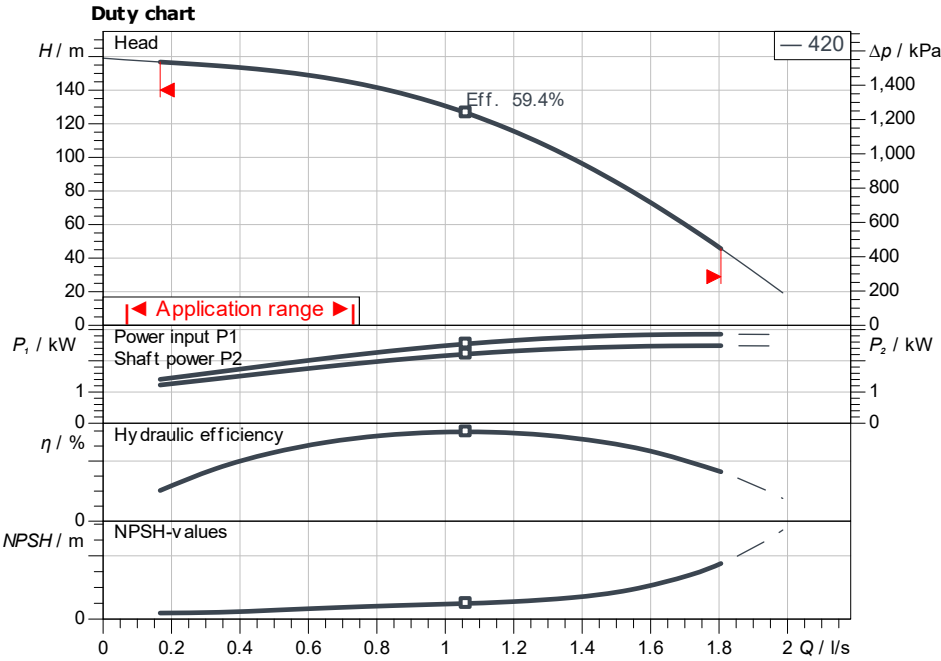
## Technical data

### High-pressure multistage centrifugal pump Helix V 420-1/16/E/KS/400-50

Project ID                      Untitled project 2025-03-03 20:19:56.538

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 V 420-1/16/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)	≥ 0.7

**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	3.00 kW
Rated current	5.50 A
Power factor	0.9
Service factor	1.15
Efficiency	50% / 75% / 100%      85.4/87.1/87.1%
Degree of protection	IP55
Insulation class	F
Motor protection	No

**Fitting dimensions**

Pipe connection on the suction side	G 1, PN 16
Pipe connection (pressure side)	G 1, 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.	57 kg
Item number	4160542

ISO 9906: 2012 3B

**Dimensions**

mm

H	1,18
H2	841
ØM	191
X	132
X	141

