

**Customer**

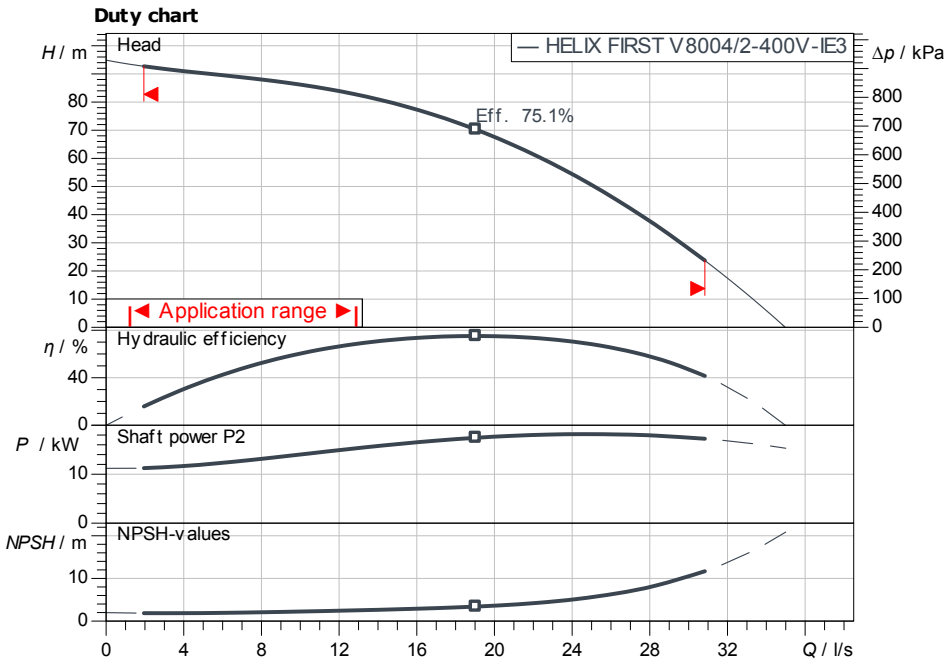
## Technical data

### High-pressure multistage centrifugal pump Helix FIRST V 8004/2-5/16/E/KS/400-50-Q7

Project ID                      Untitled project 2025-03-17 02:25:35.340

Project name  
Installation location  
Customer pos. No.

Date                      2025-03-17



ISO 9906: 2012 3B

**Dimensions**

H	1,39
H2	913
X	218

mm

**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 8004/2-5/16/E/KS/400-50-Q7	
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	2,955 1/min
Rated power $P2$	18.50 kW
Rated current	32.80 A
Power factor	0.89
Service factor	0
Efficiency	50% / 75% / 100%
	91.6/92.5/92.4%
Degree of protection	
Insulation class	
Motor protection	

**Fitting dimensions**

Pipe connection on the suction side	DN 100, PN 16
Pipe connection (pressure side)	DN 100, PN 16

**Materials**

Pump housing	5.1301/EN-GJL-250
Impeller	1.4408
Shaft	1.4057
Shaft seal	Q7Q7
Gasket material	EPDM

**Information for order placements**

Weight approx.	201 kg
Item number	4267546