

**Customer**

## Technical data

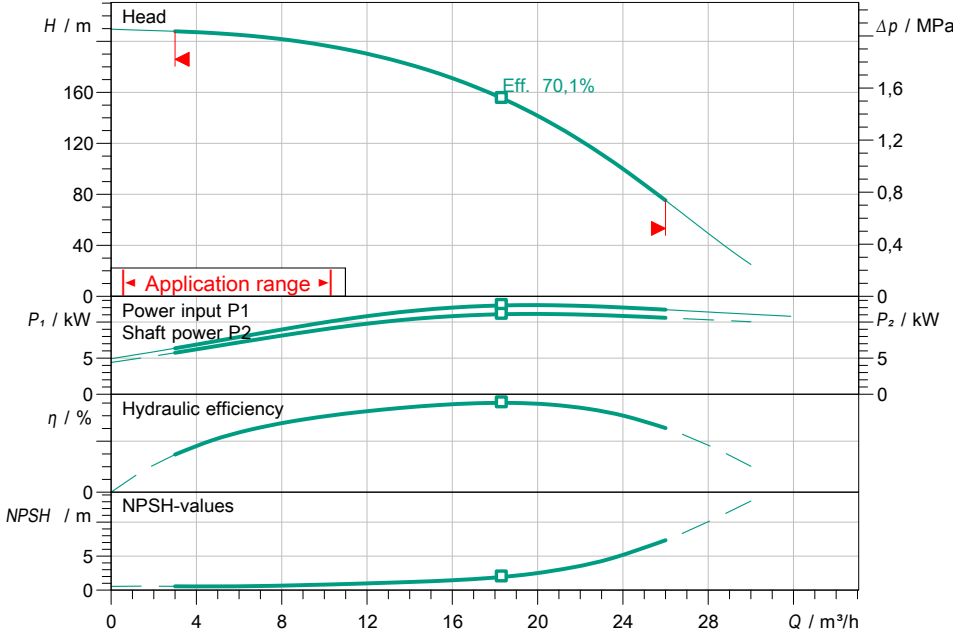
### High-pressure multistage centrifugal pump Helix FIRST V 1616-5/30/E/KS/400-50

Project name                      Untitled project 2023

Project ID  
Installation location  
Customer pos.no

Date                      15.06.2023

**Duty chart**

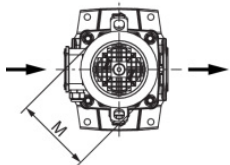
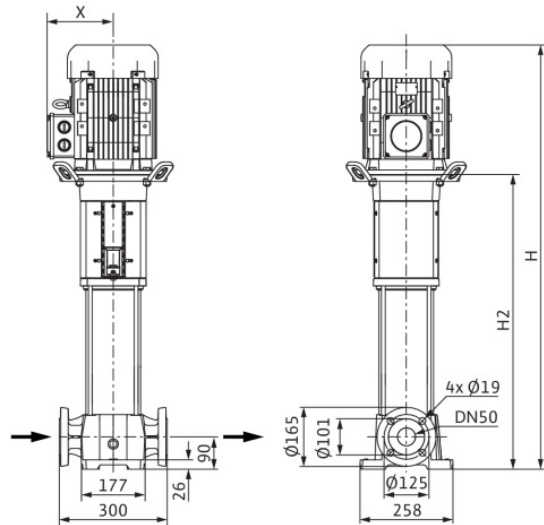
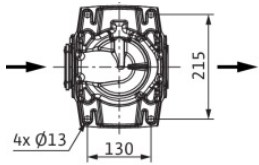


ISO 9906: 2012 3B

**Dimensions**

mm

H	1792
H2	1392
ØM	260
X	191



**Requested data**

Flow	
Head	
Media	Water 100 %
Fluid temperature	20,00 °C
Density	998,30 kg/m³
Kin. viscosity	1,00 mm²/s

**Hydraulic data (Duty point)**

Flow	
Head	
Shaft power P2	
Hydraulic efficiency	
NPSH	

**Product data**

High-pressure multistage centrifugal pump Helix FIRST V 1616-5/30/E/KS/400-50	
Max. operating pressure	3 MPa
Inlet pressure max.	10 bar
Fluid temperature	-20 °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	2917 1/min
Rated power P2	11,00 kW
Rated current	21,00 A
Power factor	0,84
Efficiency	50% / 75% / 100%
Degree of protection	IP55
Insulation class	F
Motor protection	no

**Fitting dimensions**

Pipe connection on the suction side	DN 50, PN 40
Pipe connection on the pressure side	DN 50, PN 40

**Materials**

Pump housing	5.1301/EN-GJL-250
Impeller	1.4307
Shaft	1.4301
Shaft seal	Q1BE3GG
Gasket material	EPDM

**Information for order placements**

Weight approx.	126 kg
Item number	4201013