

Customer

Technical data

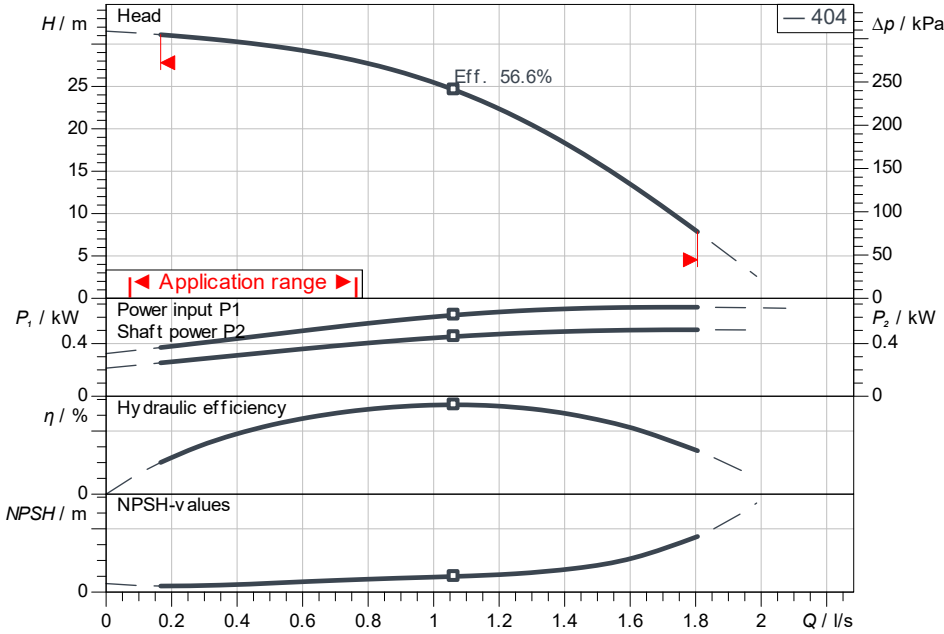
High-pressure multistage centrifugal pump Helix V 404-1/16/E/KS/400-50

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

Project name
Installation location
Customer pos. No.

Date 2025-03-03

Duty chart



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 V 404-1/16/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 IE2
Mains connection 3~ 400 V / 50 Hz
Permitted voltage tolerance +10 %
Max. speed 2,900 1/min
Rated power P2 0.55 kW
Rated current 1.32 A
Power factor 0.85
Service factor 1.15
Efficiency 50% / 75% / 100% 72.8/76.7/77.2%
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. 24 kg
Item number 4160520

ISO 9906: 2012 3B

Dimensions

mm

H	644
H2	421
ØM	130
X	121
X	119

