

Customer

Technical data

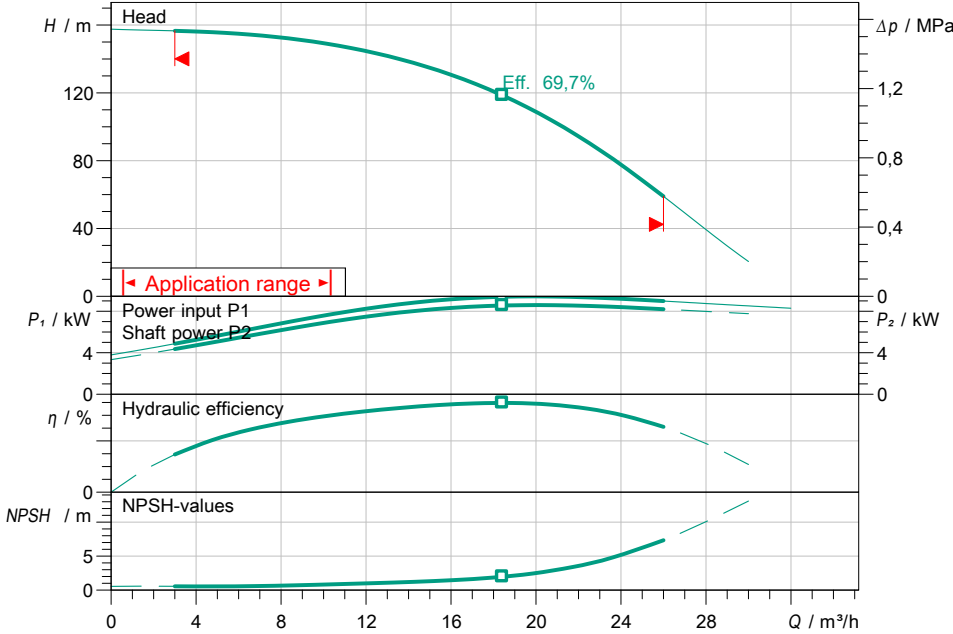
High-pressure multistage centrifugal pump Helix FIRST V 1612-5/25/E/KS/400-50

Project name Untitled project 2023

Project ID
Installation location
Customer pos.no

Date 15.06.2023

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 FIRST V 1612-5/25/E/KS/400-50
Max. operating pressure 2,5 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 2926 1/min
Rated power P2 9,00 kW
Rated current 16,70 A
Power factor 0,87
Efficiency 50% / 75% / 100% 90,4/91/90,6%
Degree of protection IP55
Insulation class F
Motor protection no

Fitting dimensions

Pipe connection on the suction side DN 50, PN 25
Pipe connection on the pressure side DN 50, PN 25

Materials

Pump housing 5.1301/EN-GJL-250

Impeller 1.4307
Shaft 1.4301
Shaft seal BQ7EGG
Gasket material EPDM

Information for order placements

Weight approx. 113 kg
Item number 4201007

ISO 9906: 2012 3B

Dimensions

H 1490
H2 1090
ØM 260
X 182

mm

