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Customer

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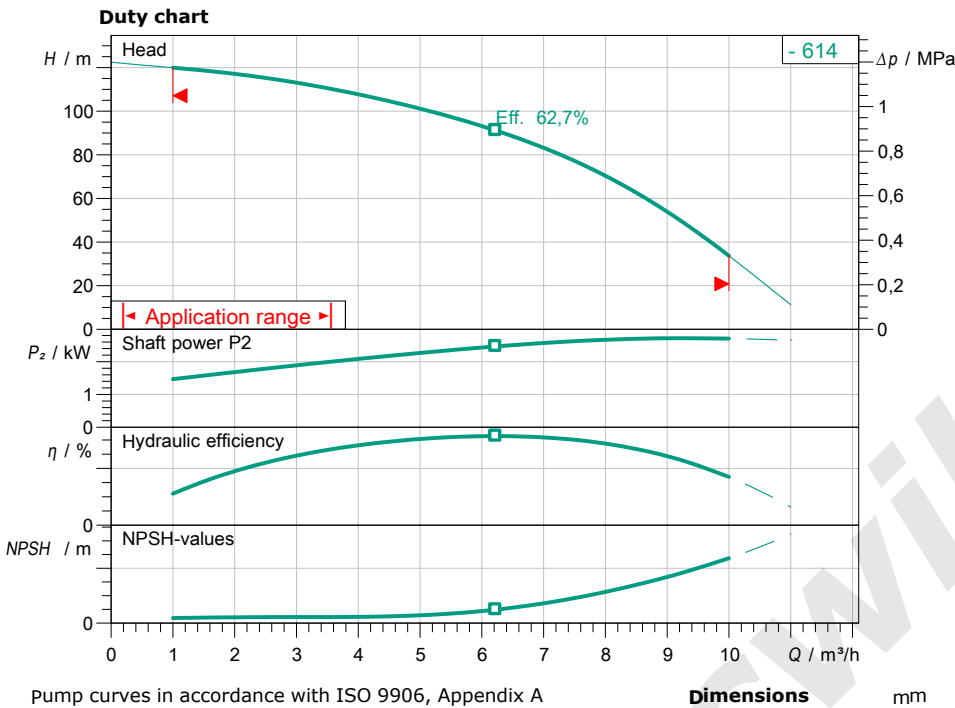
Technical data

High-pressure multistage centrifugal pump
Helix FIRST V 614-5/16/E/S/400-

Project name

Project ID
Installation location
Customer pos.no

Date 06.09.2018



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 614-5/16/E/S/400-50
Max. operating pressure 1,6 MPa
Inlet pressure max. 10 bar
Fluid temperature -30 °C ... + 120 °C
Max. ambient temperature 40 °C
Minimum Efficiency Index (MEI) ≥ 0.70

Motordata per Motor/Pump

Motor efficiency level IE3
Mains connection 3~ 400 V / 50 Hz
Permitted voltage tolerance ±10 %
Max. speed 2900 1/min
Rated power P2 3,00 kW
Rated current 5,50 A
Power factor 0,89
Efficiency 50% / 75% / 100% 85,6/87/87,1%
Degree of protection IP 55
Insulation class F
Motor protection n0

Fitting dimensions

Pipe connection on the suction side G 1 1/4, PN 16
Pipe connection on the pressure side G 1 1/4, PN 16

Materials

pump housing EN-GJL-250 (cataphoretic-coated)
Impeller 1.4307 [AISI304L]
Static seal EPDM
pump shaft 1.4301 [AISI304]
mechanical seal Q1BE3GG

Information for order placements

Weight approx. 49,3 kg
Item number 4201160

Dimensions

H 1086
H2 794
Ø M 217
X 141

mm

