

Customer

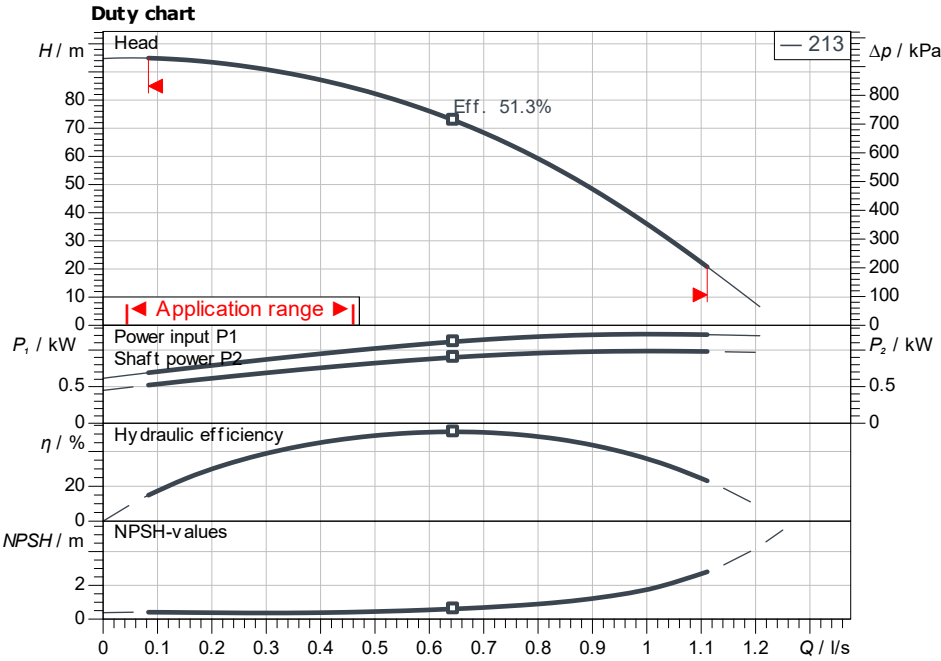
Technical data

High-pressure multistage centrifugal pump Helix FIRST V 213-5/16/E/S/400-50

Project ID: Untitled project 2025-03-03 15:12:38.853

Project name
Installation location
Customer pos. No.

Date: 2025-03-03



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 P_2
Hydraulic efficiency
NPSH

Product data

High-pressure multistage centrifugal pump
Helix FIRST V 213-5/16/E/S/400-50
 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: 2,900 1/min
 Rated power P_2 : 1.10 kW
 Rated current: 2.50 A
 Power factor: 0.8
 Service factor: 1.15
 Efficiency: 50% / 75% / 100% → 78.7/82/82.7%
 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: 5.1301/EN-GJL-250
 Impeller: 1.4307
 Shaft: 1.4301
 Shaft seal: BQ7EGG
 Gasket material: EPDM

Information for order placements

Weight approx.: 31.5 kg
 Item number: 4201049

ISO 9906: 2012 3B

Dimensions

H	827
H2	599
ØM	170
X	136
X	115

mm

