

**Customer**

## Technical data

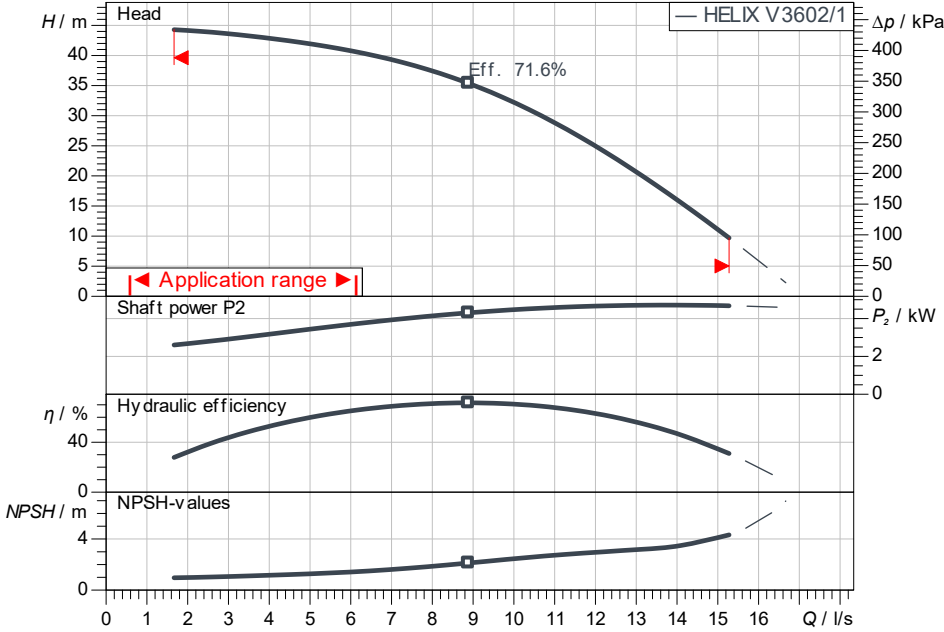
### High-pressure multistage centrifugal pump Helix FIRST V 3602/1-5/16/E/S/400-50

Project ID: Untitled project 2025-03-03 14:15:38.327

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 FIRST V 3602/1-5/16/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 P2: 5.50 kW  
Rated current: 10.50 A  
Power factor: 0.86  
Service factor: 1.15  
Efficiency: 50% / 75% / 100% → 87.1/89/89.2%  
Degree of protection: IP55  
Insulation class: F  
Motor protection: No

#### Fitting dimensions

Pipe connection on the suction side: DN 65, PN 16  
Pipe connection (pressure side): DN 65, PN 16

#### Materials

Pump housing: 5.1301/EN-GJL-250  
Impeller: 1.4307  
Shaft: 1.4057  
Shaft seal: BQ7EGG  
Gasket material: EPDM

#### Information for order placements

Weight approx.: 79 kg  
Item number: 4183386

ISO 9906: 2012 3B

#### Dimensions

H	822
H2	486
ØM	210
X	149
X	149

mm

