

**Customer**

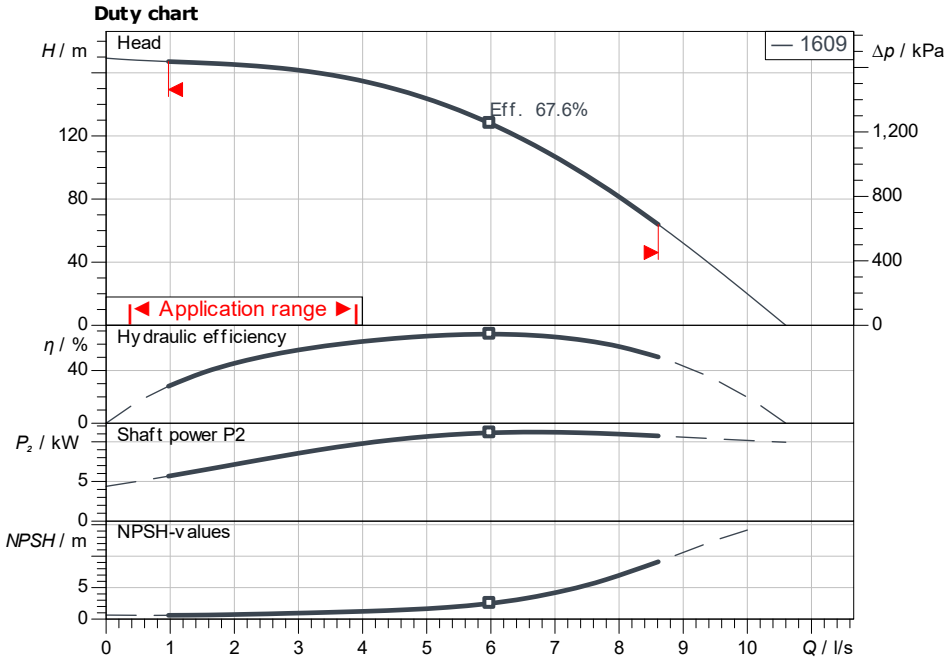
# Technical data

## High-pressure multistage centrifugal pump Helix FIRST V 1609-5/25/E/KS/460-60

Project ID: Untitled project 2025-03-05 07:27:14.016

Project name  
Installation location  
Customer pos. No.

Date: 2025-03-05



**Requested data**

Flow  
Head  
Media: Water 100 %  
Fluid temperature: 20.00 °C  
Density: 998.30  $kg/m^3$   
Kin. viscosity: 1.00  $mm^2/s$

**Hydraulic data (Duty point)**

Flow  
Head  
Shaft power  $P_2$   
Hydraulic efficiency  
NPSH

**Product data**

High-pressure multistage centrifugal pump  
Helix FIRST V 1609-5/25/E/KS/460-60  
Max. operating pressure: 2,500 kPa  
Inlet pressure max.: 10 bar  
Fluid temperature: -20 °C ... +120 °C  
Max. ambient temperature: 50 °C  
Minimum efficiency index (MEI)

**Motordata per Motor/Pump**

Motor efficiency level  
Mains connection: 3~ 400 V / 60 Hz  
Permitted voltage tolerance: +10 %  
Max. speed: 2,925 1/min  
Rated power  $P_2$ : 11.00 kW  
Rated current: 21.00 A  
Power factor: 0.84  
Service factor: 1.15  
Efficiency: 50% / 75% / 100%  
Degree of protection: IP55  
Insulation class  
Motor protection: PTC

**Fitting dimensions**

Pipe connection on the suction side: DN 50, PN 25  
Pipe connection (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.: 115 kg  
Item number: 4201002

ISO 9906: 2012 3B

**Dimensions**

H: 1,34  
H2: 940  
X: 196

mm

