

# Technical data

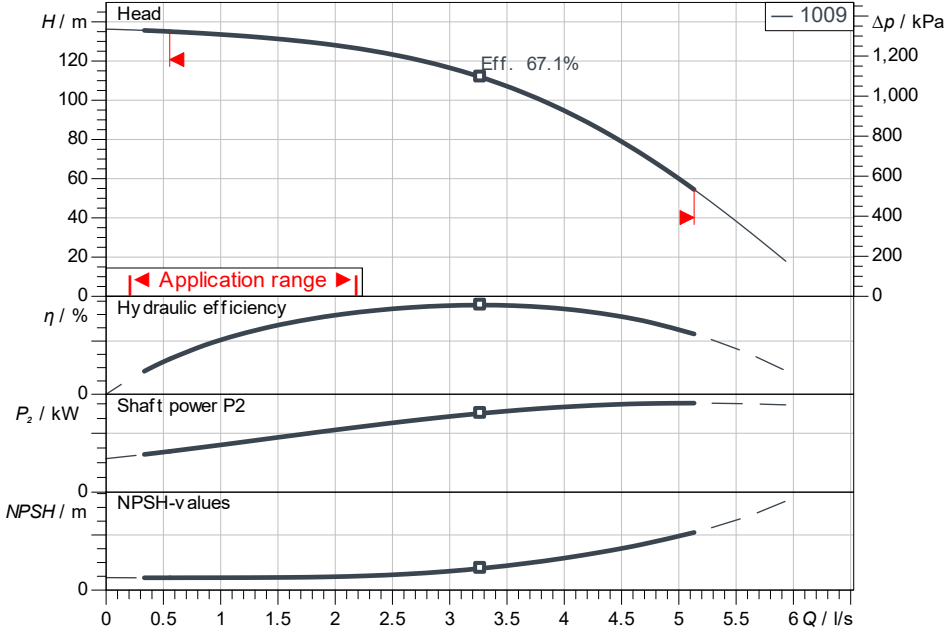
## High-pressure multistage centrifugal pump Helix FIRST V 1009-5/25/E/KS/460-60

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

Project name  
Installation location  
Customer pos. No.

Date: 2025-03-05

### Duty chart



### Requested data

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

### Hydraulic data (Duty point)

Flow  
Head  
Shaft power P<sub>2</sub>  
Hydraulic efficiency  
NPSH

### Product data

High-pressure multistage centrifugal pump  
Helix FIRST V 1009-5/25/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: 2,923 1/min  
Rated power P<sub>2</sub>: 5.50 kW  
Rated current: 9.70 A  
Power factor: 0.91  
Service factor: 1.15  
Efficiency: 50% / 75% / 100% → 87.8/89.2/89.2%  
Degree of protection: IP55  
Insulation class  
Motor protection: PTC

### Fitting dimensions

Pipe connection on the suction side: DN 40, PN 25  
Pipe connection (pressure side): DN 40, 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.: 70 kg  
Item number: 4200958

ISO 9906: 2012 3B

### Dimensions

H: 1,03  
H2: 698  
X: 163

mm

