

**Customer**

## Technical data

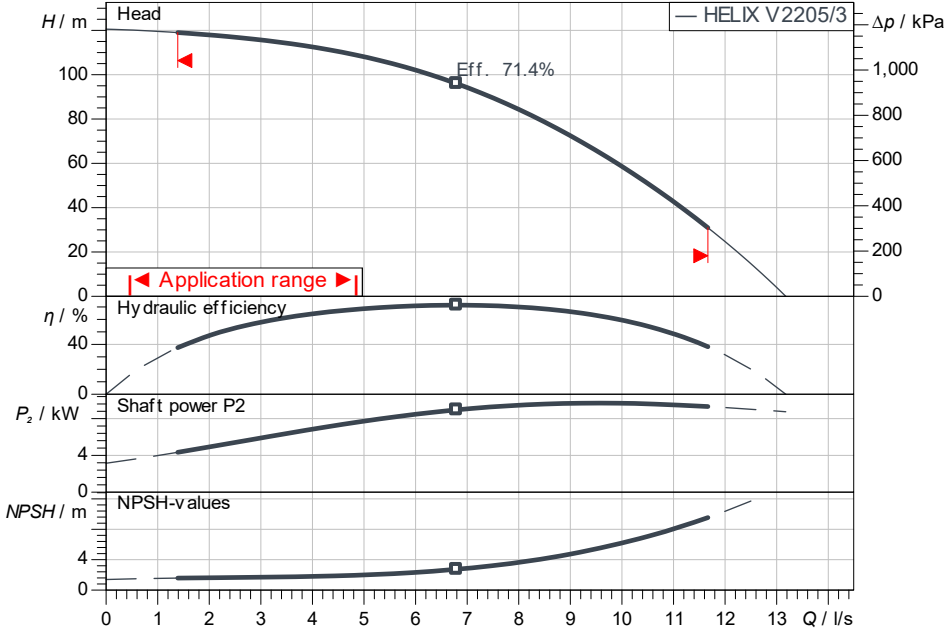
### High-pressure multistage centrifugal pump Helix FIRST V 2205/3-5/16/E/S/460-60-FF24

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 2205/3-5/16/E/S/460-60-FF24  
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)

#### Motordata per Motor/Pump

Motor efficiency level: IE3  
Mains connection: 3~ 460 V / 60 Hz  
Permitted voltage tolerance: +6 %  
Max. speed: 3,523 1/min  
Rated power P<sub>2</sub>: 11.00 kW  
Rated current: 17.20 A  
Power factor: 0.91  
Service factor: 1.2  
Efficiency: 50% / 75% / 100% // %  
Degree of protection: IP55  
Insulation class: F  
Motor protection: No

#### Fitting dimensions

Pipe connection on the suction side: DN 50, PN 16  
Pipe connection (pressure side): DN 50, 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.: 113 kg  
Item number: 4200659

ISO 9906: 2012 3B

#### Dimensions

H: 1,00  
H2: 603  
ØM: 279  
X: 191  
X: 182

mm

