

**Customer**

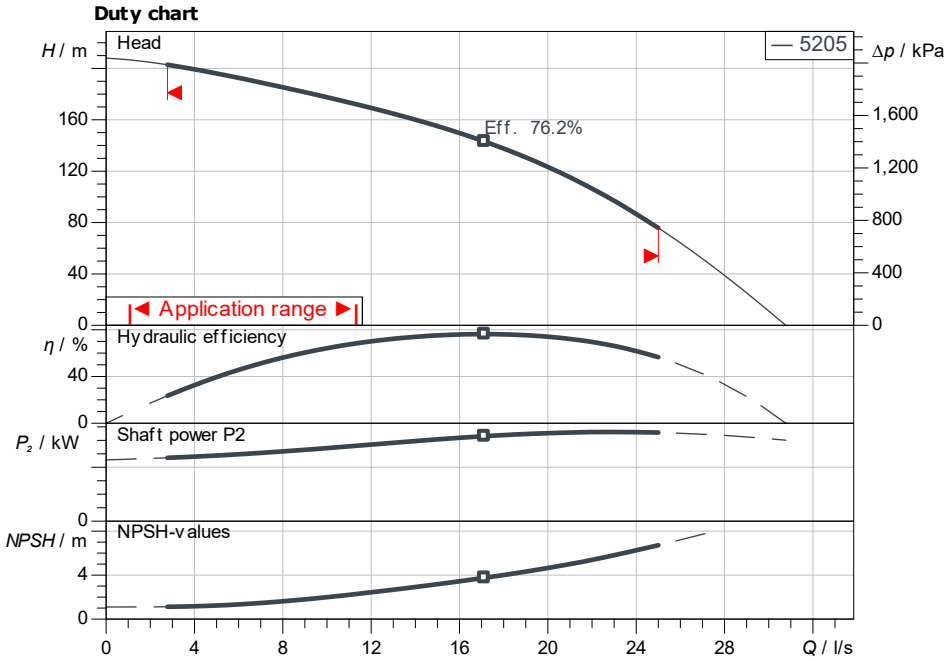
## Technical data

### High-pressure multistage centrifugal pump Helix FIRST V 5205-5/25/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<sup>3</sup>  
Kin. viscosity                      1.00 mm<sup>2</sup>/s

**Hydraulic data (Duty point)**

Flow  
Head  
Shaft power  $P_2$   
Hydraulic efficiency  
NPSH

**Product data**

High-pressure multistage centrifugal pump  
Helix FIRST V 5205-5/25/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                      IE3  
Mains connection                      3~ 460 V / 60 Hz  
Permitted voltage tolerance                      +6 %  
Max. speed                      3,575 1/min  
Rated power  $P_2$                       37.00 kW  
Rated current                      61.90 A  
Power factor                      0.9  
Service factor                      1.15  
Efficiency                      50% / 75% / 100%                      //%  
Degree of protection                      IP55  
Insulation class                      F  
Motor protection                      No

**Fitting dimensions**

Pipe connection on the suction side                      DN 80, PN 25  
Pipe connection (pressure side)                      DN 80, PN 25

**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.                      277 kg  
Item number                      4200701

ISO 9906: 2012 3B

**Dimensions**

mm

H                      1,67  
H2                      1,08  
ØM                      347  
X                      255  
X                      255

