

**Customer**

## Technical data

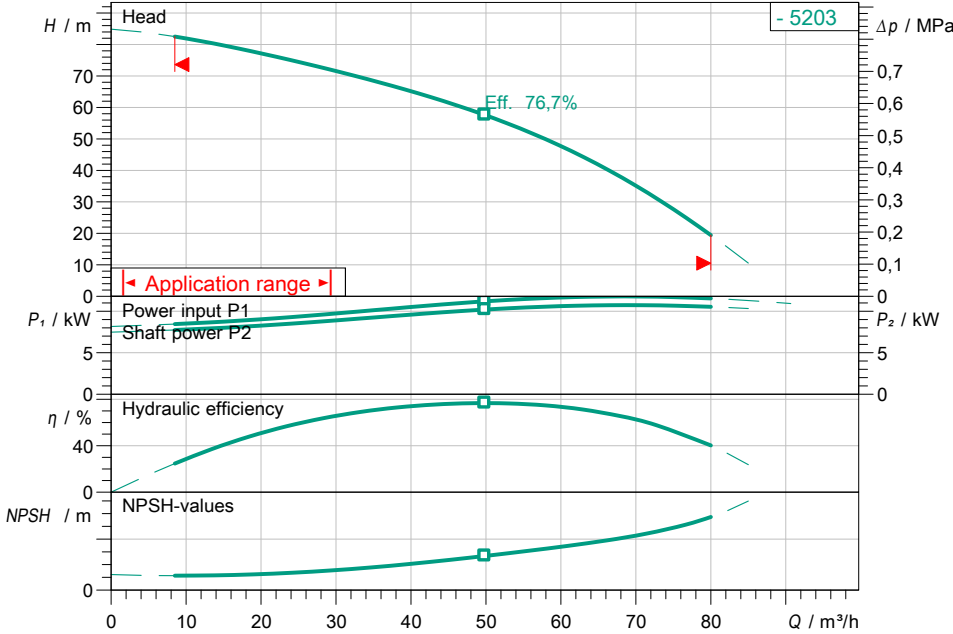
### High-pressure multistage centrifugal pump Helix FIRST V 5203-5/16/E/S/400-50

Project name: Untitled project 2023

Project ID  
Installation location  
Customer pos.no

Date: 15.06.2023

#### 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 5203-5/16/E/S/400-50  
Max. operating pressure: 1,6 MPa  
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: 2900 1/min  
Rated power P2: 11,00 kW  
Rated current: 21,00 A  
Power factor: 0,84  
Efficiency: 50% / 75% / 100% → 90,3/91,3/91,2%  
Degree of protection: IP55  
Insulation class: F  
Motor protection: no

#### Fitting dimensions

Pipe connection on the suction side: DN 80, PN 16  
Pipe connection on the pressure side: DN 80, 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.: 125 kg  
Item number: 4183427

ISO 9906: 2012 3B

#### Dimensions

H: 1103  
H2: 703  
ØM: 260  
X: 191

mm

