

**Customer**

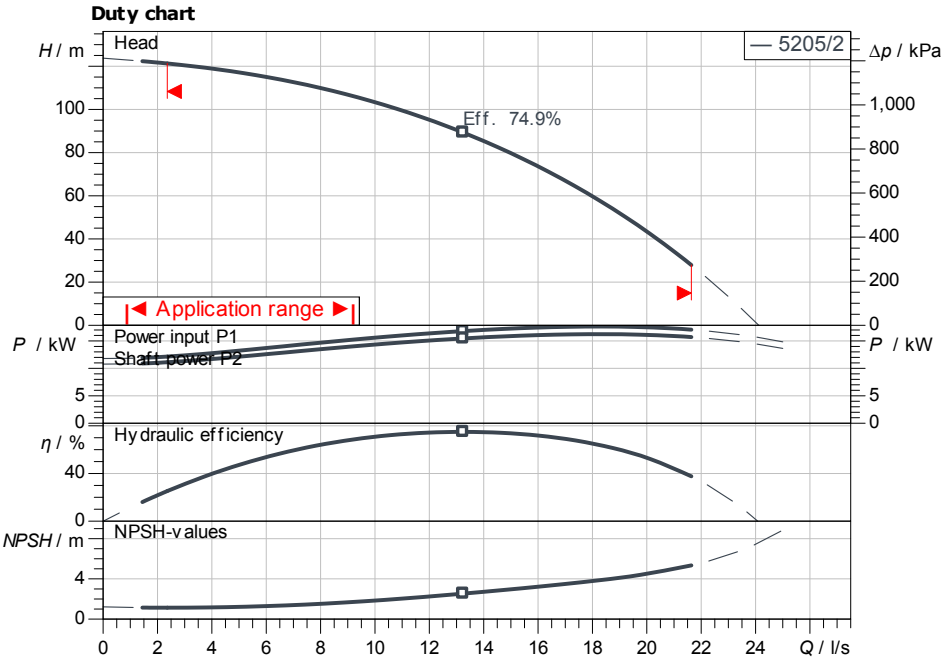
# Technical data

## High-pressure multistage centrifugal pump Helix V 5205/2-1/16/E/KS/400-50

Project ID: Untitled project 2025-03-03 21:29:49.373

Project name  
Installation location  
Customer pos. No.

Date: 2025-03-03



**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 P2  
Hydraulic efficiency  
NPSH

**Product data**

High-pressure multistage centrifugal pump  
Helix V 5205/2-1/16/E/KS/400-50  
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): ≥ 0.7

**Motordata per Motor/Pump**

Motor efficiency level: IE3  
Mains connection: 3~ 400 V / 50 Hz  
Permitted voltage tolerance: +10 %  
Max. speed: 2,900 1/min  
Rated power P2: 18.50 kW  
Rated current: 32.80 A  
Power factor: 0.89  
Service factor: 1.15  
Efficiency: 50% / 75% / 100% → 91.6/92.5/92.4%  
Degree of protection: IP55  
Insulation class: F  
Motor protection: No

**Fitting dimensions**

Pipe connection on the suction side: DN 80, PN 16  
Pipe connection (pressure side): DN 80, PN 16

**Materials**

Pump housing: 1.4301  
Impeller: 1.4307  
Shaft: 1.4057  
Shaft seal: BQ7EGG  
Gasket material: EPDM

**Information for order placements**

Weight approx.: 192 kg  
Item number: 4246783

**Dimensions**

H	1,52
H2	1,04
ØM	305
X	218
X	200

mm

