

**Customer**

## Technical data

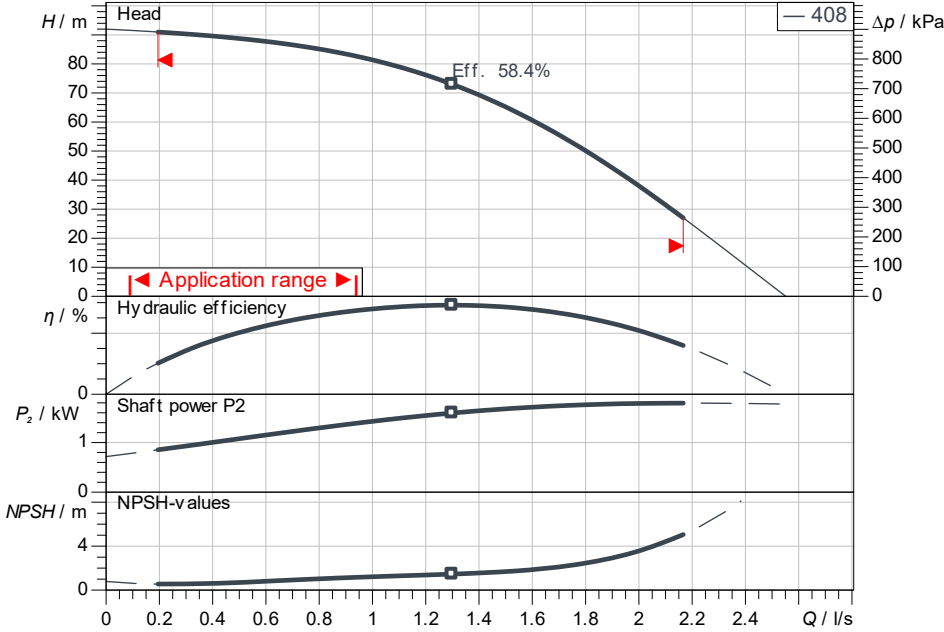
### High-pressure multistage centrifugal pump Helix V 408-1/16/E/S/460-60

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 V 408-1/16/E/S/460-60  
Max. operating pressure: 1,600 kPa  
Inlet pressure max.: 10 bar  
Fluid temperature: -30 °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: 2,915 1/min  
Rated power P<sub>2</sub>: 2.20 kW  
Rated current: 4.30 A  
Power factor: 0.87  
Service factor: 1.15  
Efficiency: 50% / 75% / 100% → 84.8/86.2/85.9%  
Degree of protection: IP55  
Insulation class  
Motor protection: PTC

#### Fitting dimensions

Pipe connection on the suction side: G 1, PN 16  
Pipe connection (pressure side): G 1, PN 16

#### Materials

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

#### Information for order placements

Weight approx.: 33.8 kg  
Item number: 4201381

ISO 9906: 2012 3B

#### Dimensions

H: 775  
H2: 481  
X: 146

mm

