

**Customer**

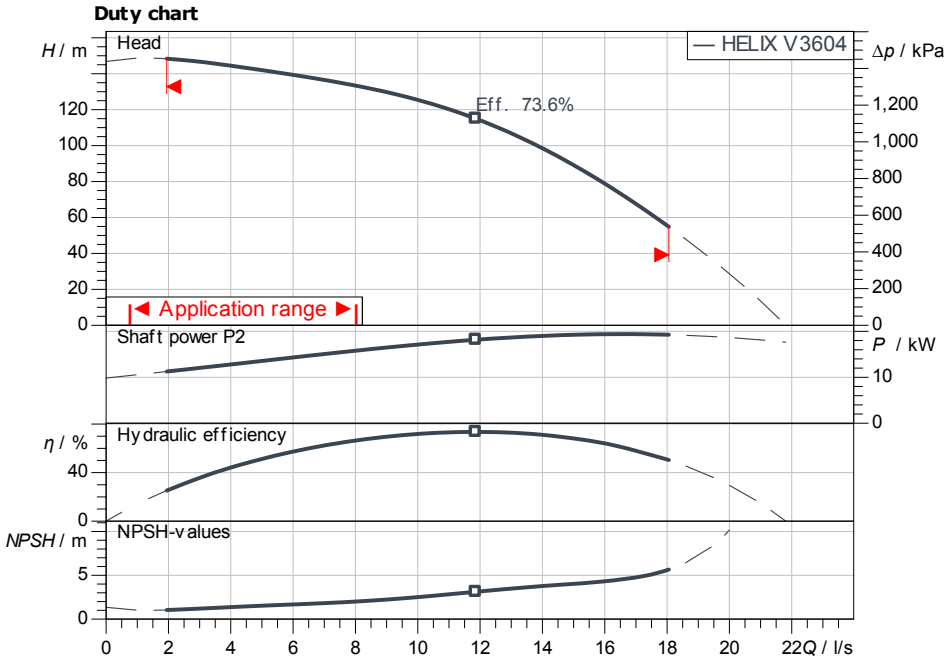
# Technical data

## High-pressure multistage centrifugal pump Helix V 3604-1/16/E/KS/460-60

Project ID                      Untitled project 2025-03-17 12:48:10.989

Project name  
Installation location  
Customer pos. No.

Date                      2025-03-17



**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 V 3604-1/16/E/KS/460-60  
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  
Mains connection                      3~ 380 V / 60 Hz  
Permitted voltage tolerance                      + -10 %  
Max. speed                      2,960 1/min  
Rated power  $P_2$                       22.00 kW  
Rated current                      38.60 A  
Power factor                      0.94  
Service factor                      1.15  
Efficiency  
50% / 75% / 100%                      /92.5/91.7%  
Degree of protection                      IP55  
Insulation class  
Motor protection                      PTC

**Fitting dimensions**

Pipe connection on the suction side                      DN 65, PN 16  
Pipe connection (pressure side)                      DN 65, 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.                      234 kg  
Item number                      4246681

ISO 9906: 2012 3B

**Dimensions**

H                      1,29  
H2                      812  
X                      218  
X                      218

mm

