

**Customer**

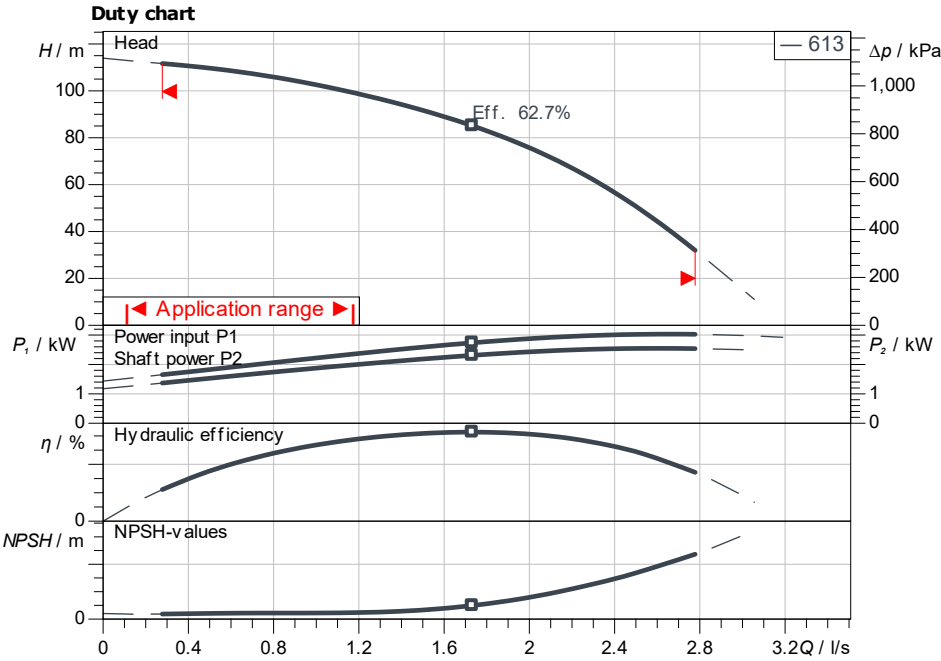
# Technical data

## High-pressure multistage centrifugal pump Helix V 613-1/16/E/KS/400-50

Project ID: Untitled project 2025-03-03 15:12:38.853

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 $P_2$    |  |
| Hydraulic efficiency |  |
| NPSH                 |  |

**Product data**

|   |                    |
|---|--------------------|
| High-pressure multistage centrifugal pump<br>Helix V 613-1/16/E/KS/400-50 |                    |
| 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)  | $\geq 0.7$         |

**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 $P_2$           | 3.00 kW                             |
| Rated current               | 5.50 A                              |
| Power factor                | 0.9                                 |
| Service factor              | 1.15                                |
| Efficiency                  | 50% / 75% / 100%<br>85.4/87.1/87.1% |
| Degree of protection        | IP55                                |
| Insulation class            | F                                   |
| Motor protection            | No                                  |

**Fitting dimensions**

|                                     |                |
|-------------------------------------|----------------|
| Pipe connection on the suction side | G 1 1/4, PN 16 |
| Pipe connection (pressure side)     | G 1 1/4, 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. | 56 kg   |
| Item number    | 4156048 |

ISO 9906: 2012 3B

**Dimensions**

|                 |      |
|-----------------|------|
| H               | 1,20 |
| H2              | 866  |
| $\varnothing M$ | 191  |
| X               | 132  |
| X               | 141  |

mm

