

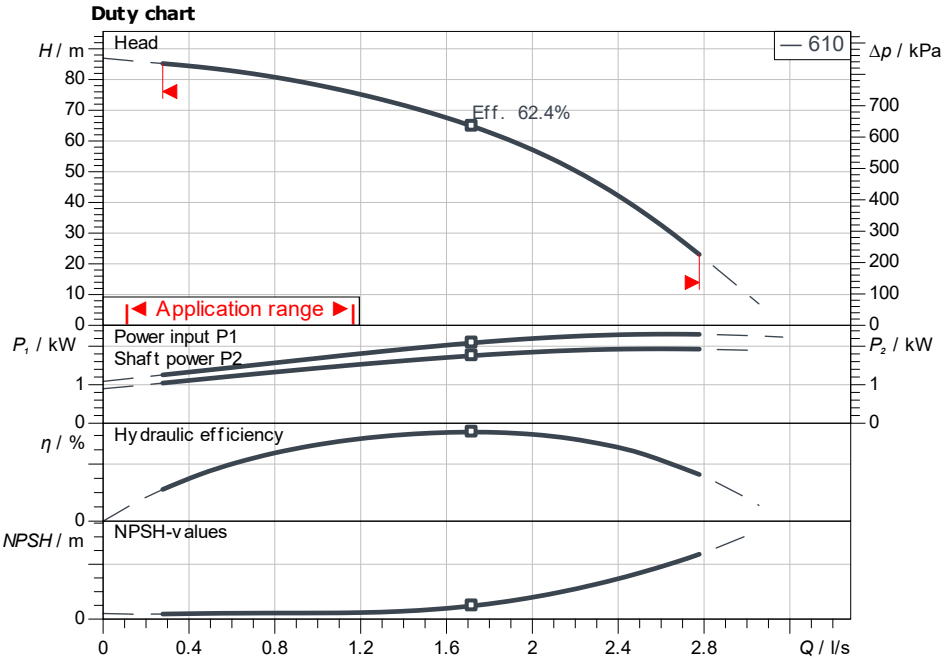
Technical data

High-pressure multistage centrifugal pump Helix V 610-1/16/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 ³ |
| Kin. viscosity | 1.00 mm ² /s |

Hydraulic data (Duty point)

| | |
|----------------------|--|
| Flow | |
| Head | |
| Shaft power P2 | |
| Hydraulic efficiency | |
| NPSH | |

Product data

| | |
|---|--------------------|
| High-pressure multistage centrifugal pump | |
| Helix V 610-1/16/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) | ≥ 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 | 2.20 kW |
| Rated current | 4.30 A |
| Power factor | 0.87 |
| Service factor | 1.15 |
| Efficiency | 50% / 75% / 100% |
| 50% / 75% / 100% | 84.8/86.2/85.9% |
| Degree of protection | IP55 |
| Insulation class | F |
| Motor protection | PTO |

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. | 43 kg |
| Item number | 4156042 |

ISO 9906: 2012 3B

Dimensions

| | |
|----|------|
| H | 1,00 |
| H2 | 706 |
| ØM | 172 |
| X | 132 |
| X | 132 |

mm

