

Customer

Technical data

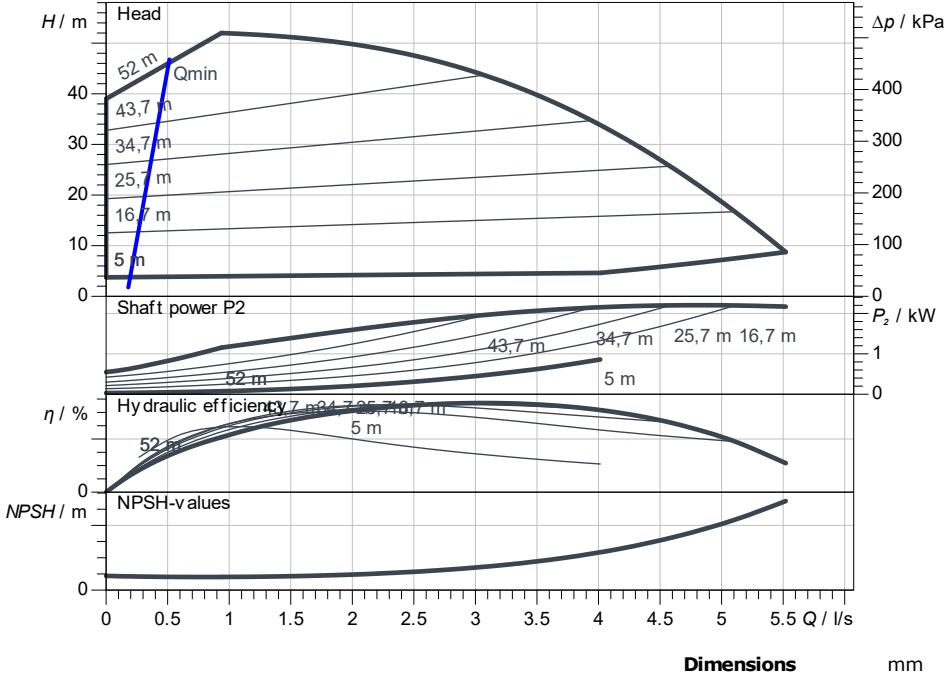
High-pressure multistage centrifugal pump Helix2.0-VE 1004-1/16/E/KS/3

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

Project name
Installation location
Customer pos. No.

Date: 2025-03-03

Duty chart



Requested data

| | |
|-------------------|--------------|
| Flow | |
| Head | |
| Media | Water 100 % |
| Fluid temperature | 20.00 °C |
| Density | 998.30 kg/m³ |
| Kin. viscosity | 1.00 mm²/s |

Hydraulic data (Duty point)

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

Product data

| | |
|---|--------------------|
| High-pressure multistage centrifugal pump Helix2.0-VE 1004-1/16/E/KS/3 | |
| 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 | IE5 |
| Mains connection | 3~ 400 V / 50 Hz |
| Permitted voltage tolerance | 400/50: +/- 10%, 380/6 |
| Rated speed | |
| Rated power P2 | 2.20 kW |
| Rated current | 3.90 A |
| Power factor | |
| Service factor | 0 |
| Degree of protection | IP55 |
| Insulation class | F |
| Motor protection | |

Fitting dimensions

| | |
|-------------------------------------|----------------|
| Pipe connection on the suction side | G 1 1/2, PN 16 |
| Pipe connection (pressure side) | G 1 1/2, 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. | 41.8 kg |
| Item number | 4250791 |

