

## Technical data

### SiBoost Smart 4 Helix V 1011

Project ID

Untitled project 2025-03-04 01:04:54.425

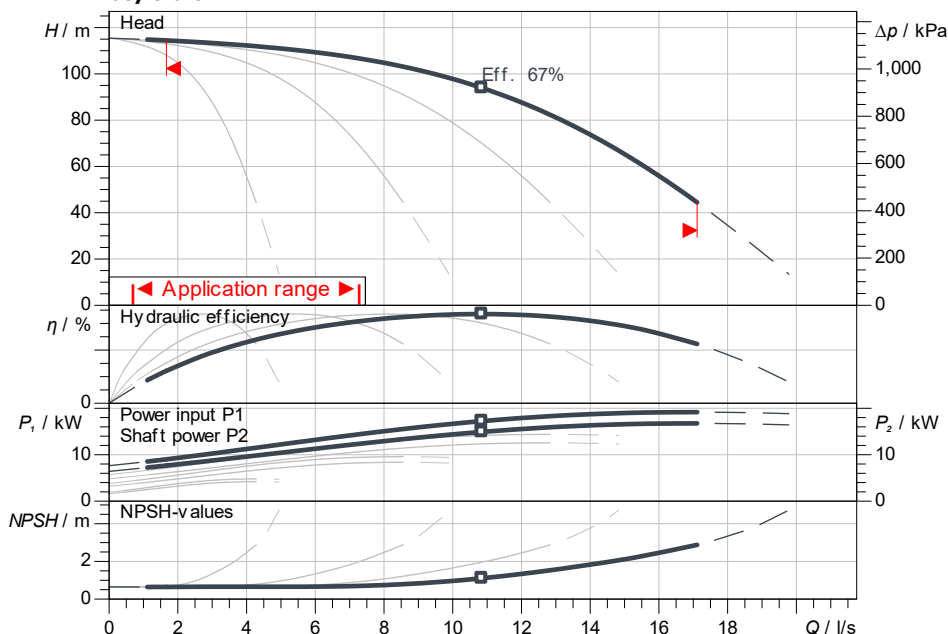
Project name

Installation location

Customer pos. No.

Date 2025-03-04

#### 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 P2 |  |

#### Product data

SiBoost Smart 4 Helix V 1011

|                                |                 |
|--------------------------------|-----------------|
| No. of pumps                   | 4               |
| Max. operating pressure        | 1,600 kPa       |
| Inlet pressure max.            | 600             |
| Fluid temperature              | 3 °C ... +50 °C |
| Max. ambient temperature       | 40 °C           |
| Protection class system        | IP55            |
| Protection class of switchgear | IP54            |
| Diaphragm pressure vessel      | Yes             |
| Low-water cut-out switchgear   | No              |

#### Motordata per Motor/Pump

|                             |                     |
|-----------------------------|---------------------|
| Motor efficiency level      | IE3                 |
| Mains connection            | 3~ 400 V / 50 Hz    |
| Permitted voltage tolerance | +/- 10 %            |
| Rated speed                 | 2,900 1/min         |
| Rated power P2              | 4.00 kW             |
| Rated current               | 7.40 A              |
| Power factor                | 0.87                |
| Efficiency                  | 50 % / 75 % / 100 % |
| Degree of protection        | IP55                |
| Insulation class            | F                   |
| Motor protection            | Yes                 |

#### Fitting dimensions

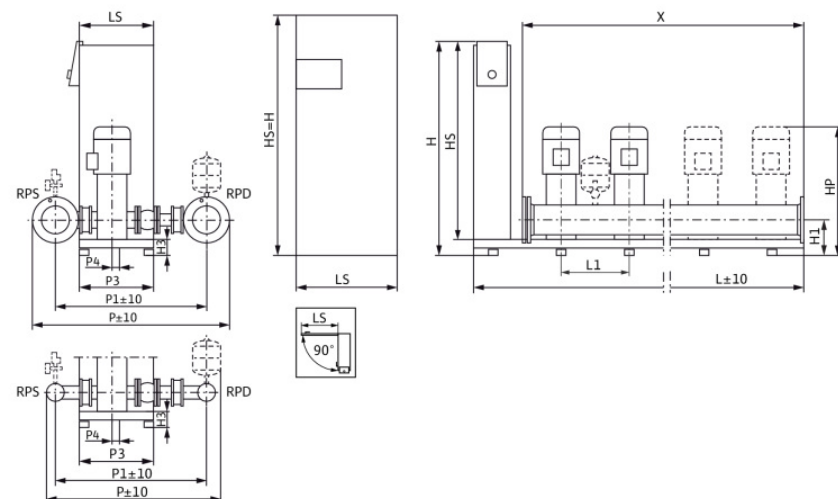
|                                     |            |
|-------------------------------------|------------|
| Pipe connection on the suction side | R 3, PN 10 |
| Pipe connection (pressure side)     | R 3, PN 16 |

#### Materials

|                   |         |
|-------------------|---------|
| Pump housing      | 1.4301  |
| Impeller          | 1.4307  |
| Shaft             | 1.4301  |
| Shaft seal        | Q1BE3GG |
| Gasket material   | EPDM    |
| Pipework material | 1.4307  |

#### Information for order placements

|                |         |
|----------------|---------|
| Weight approx. | 304 kg  |
| Item number    | 2536110 |



#### Dimensions

mm

|     |           |    |       |    |     |   |       |
|-----|-----------|----|-------|----|-----|---|-------|
| DNd | R 3, PN 1 | H3 | 90    | LS | 150 | X | 1,200 |
| DNs | R 3, PN 1 | HP | 1,238 | P  | 845 |   |       |
| H   | 1,055     | HS | 950   | P1 | 717 |   |       |
| H1  | 170       | L  | 1,450 | P3 | 420 |   |       |
| H2  | 294.5     | L1 | 300   | P4 | 30  |   |       |

## Dimensions

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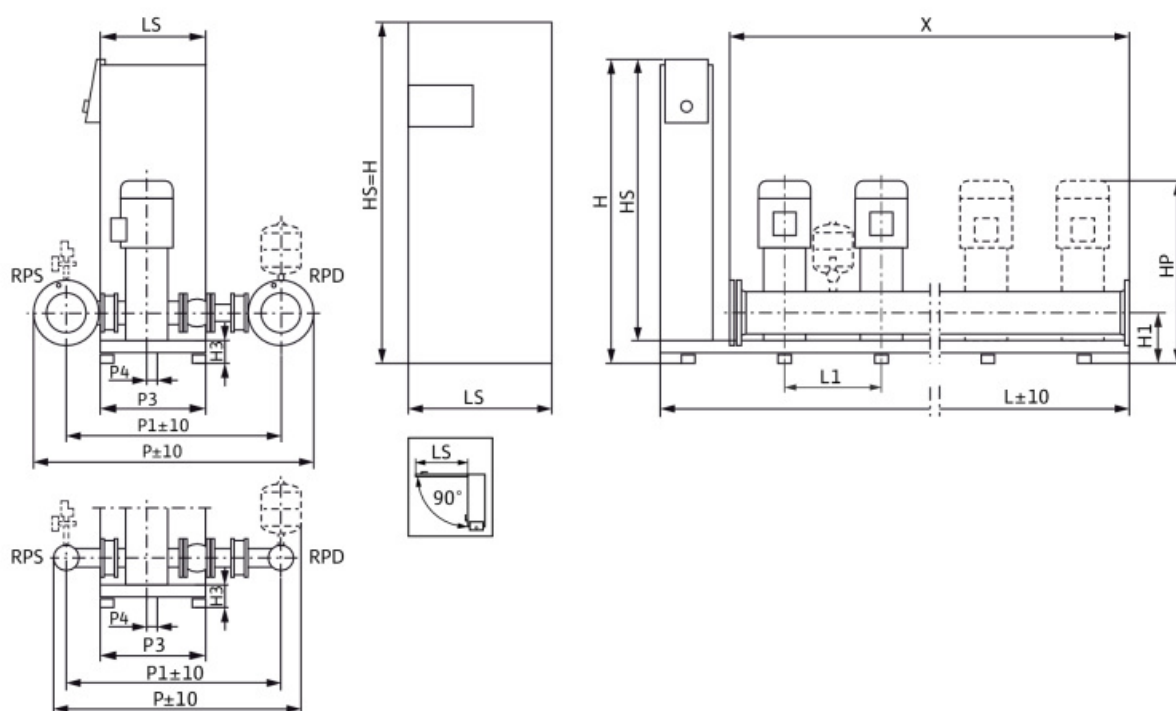
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Standard

Suction side R 3, PN 10/PN 16

Discharge side R 3, PN 10/PN 16

**Dimensions** mm

| Name | Value      | Name | Value | Name | Value | Name | Value |
|------|------------|------|-------|------|-------|------|-------|
| DNd  | R 3, PN 16 | HS   | 950   | P4   | 30    |      |       |
| DNs  | R 3, PN 10 | L    | 1,450 | X    | 1,200 |      |       |
| H    | 1,055      | L1   | 300   |      |       |      |       |
| H1   | 170        | LS   | 150   |      |       |      |       |
| H2   | 294.5      | P    | 845   |      |       |      |       |
| H3   | 90         | P1   | 717   |      |       |      |       |
| HP   | 1,238      | P3   | 420   |      |       |      |       |