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Customer

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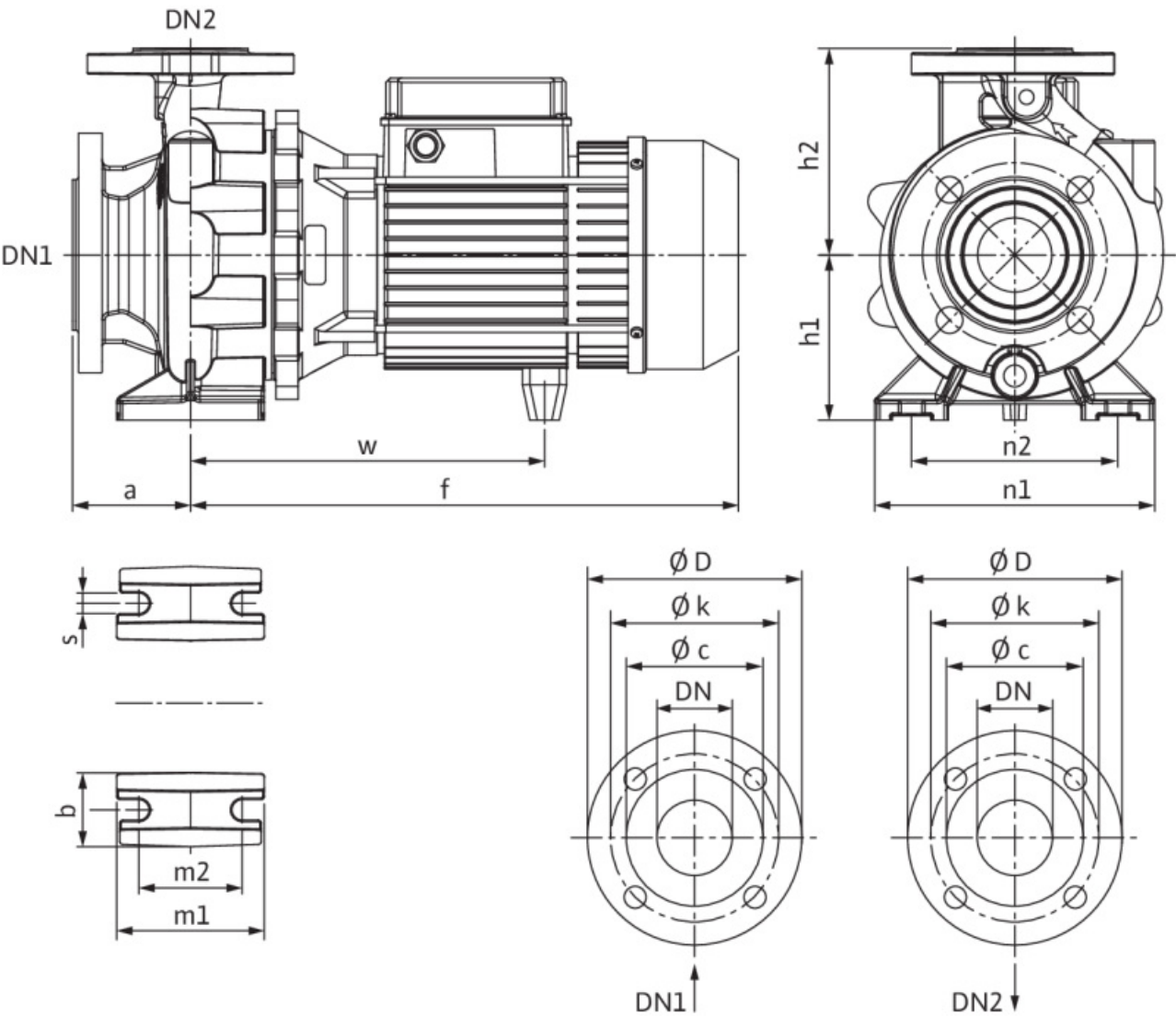
Dimensions

Glanded monobloc pump  
BM-B 32/160-3/2

Project ID                      Untitled project 2025-03-01 21:27:50.947

Project name  
Installation location  
Customer pos. No.

Date                      2025-03-01



Standard

Suction side                      DN 50, PN 10  
Discharge side                      DN 32, PN 10

Dimensions                      mm

| Name | Value        | Name | Value | Name | Value | Name | Value |
|------|--------------|------|-------|------|-------|------|-------|
| a    | 80           | h2   | 160   | Ø d  | 99    |      |       |
| b    | 50           | m1   | 100   | Ø D  | 165   |      |       |
| dL   | 19           | m2   | 70    | Ø D  | 140   |      |       |
| DN1  | DN 50, PN 10 | n1   | 240   | s    | 14    |      |       |
| DN2  | DN 32, PN 10 | n2   | 190   | w    | 317   |      |       |
| f    | 459          | Ø k  | 125   |      |       |      |       |
| h1   | 132          | Ø k  | 100   |      |       |      |       |

## Technical data

### Glanded monobloc pump

BM-B 32/160-3/2

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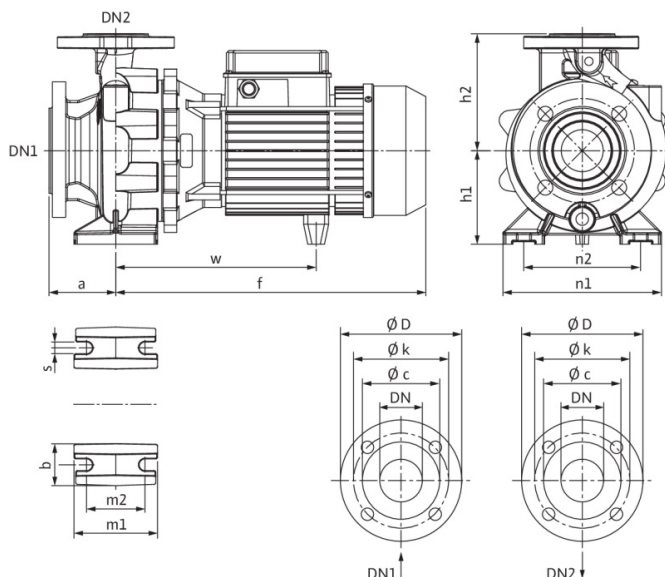
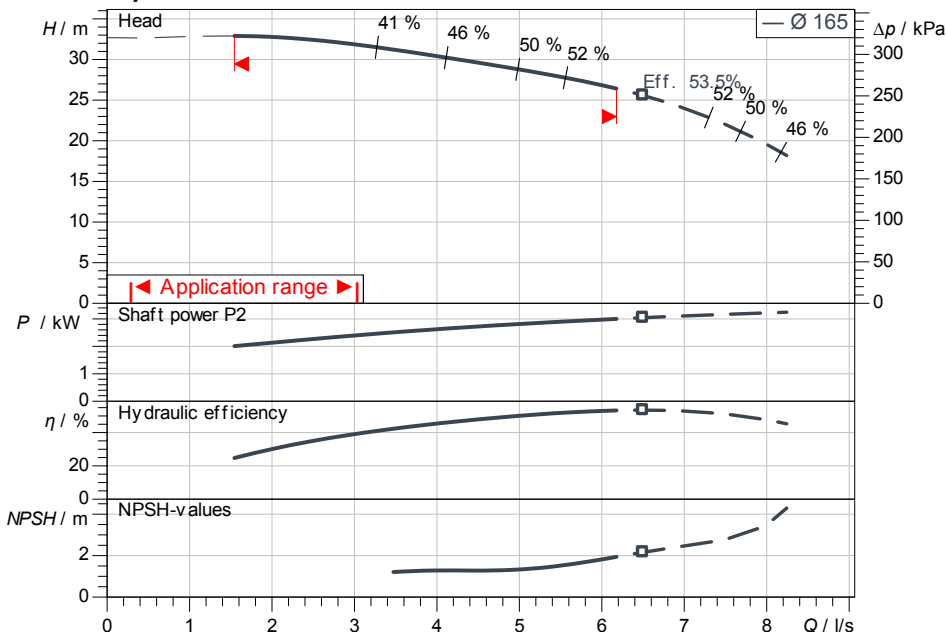
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#### Duty chart



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

#### Product data

|                                |                   |
|--------------------------------|-------------------|
| Glanded monobloc pump          |                   |
| BM-B 32/160-3/2                |                   |
| Max. operating pressure        | 1,000 kPa         |
| Fluid temperature              | -10 °C ... +90 °C |
| Max. ambient temperature       | 40 °C             |
| Minimum efficiency index (MEI) | ≥ 0.4             |

#### Motor data 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 $P_2$           | 3.00 kW              |
| Rated current               | 6.14 A               |
| Power factor                | 0.83                 |
| Efficiency                  |                      |
| 50 % / 75 % / 100 %         | 86.4 / 87.3 / 87.1 % |
| Degree of protection        | IP55                 |
| Insulation class            | F                    |
| Motor protection            | No                   |

#### Fitting dimensions

|                                     |              |
|-------------------------------------|--------------|
| Pipe connection on the suction side | DN 50, PN 10 |
| Pipe connection (pressure side)     | DN 32, PN 10 |
| Port to Port                        | -            |

#### Materials

|              |                  |
|--------------|------------------|
| Pump housing | Bronze, G-CuSn10 |
| Impeller     | Bronze, G-CuSn10 |
| Shaft        | 1.4362           |
| Shaft seal   | Q1Q1VGG          |

#### Information for order placements

|                |         |
|----------------|---------|
| Weight approx. | 44 kg   |
| Item number    | 2164375 |

## Hydraulic data

Glanded monobloc pump

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## Operating data

| Rotational speed  | Frequency    | Duty point |            | Suction port | Discharge port |
|-------------------|--------------|------------|------------|--------------|----------------|
| <b>2900 1/min</b> | <b>50 Hz</b> | <b>Q =</b> | <b>H =</b> | <b>DN 50</b> | <b>DN 32</b>   |

