

## Inventflow: Grundfos A-partner

### Grundfos NB 32-160.1/155 AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nb/grundfos-nb-32-160-1-155-af2abqqe>

#### Contact

[info@inventflow.nl](mailto:info@inventflow.nl)

+31 (0) 546 45 80 72

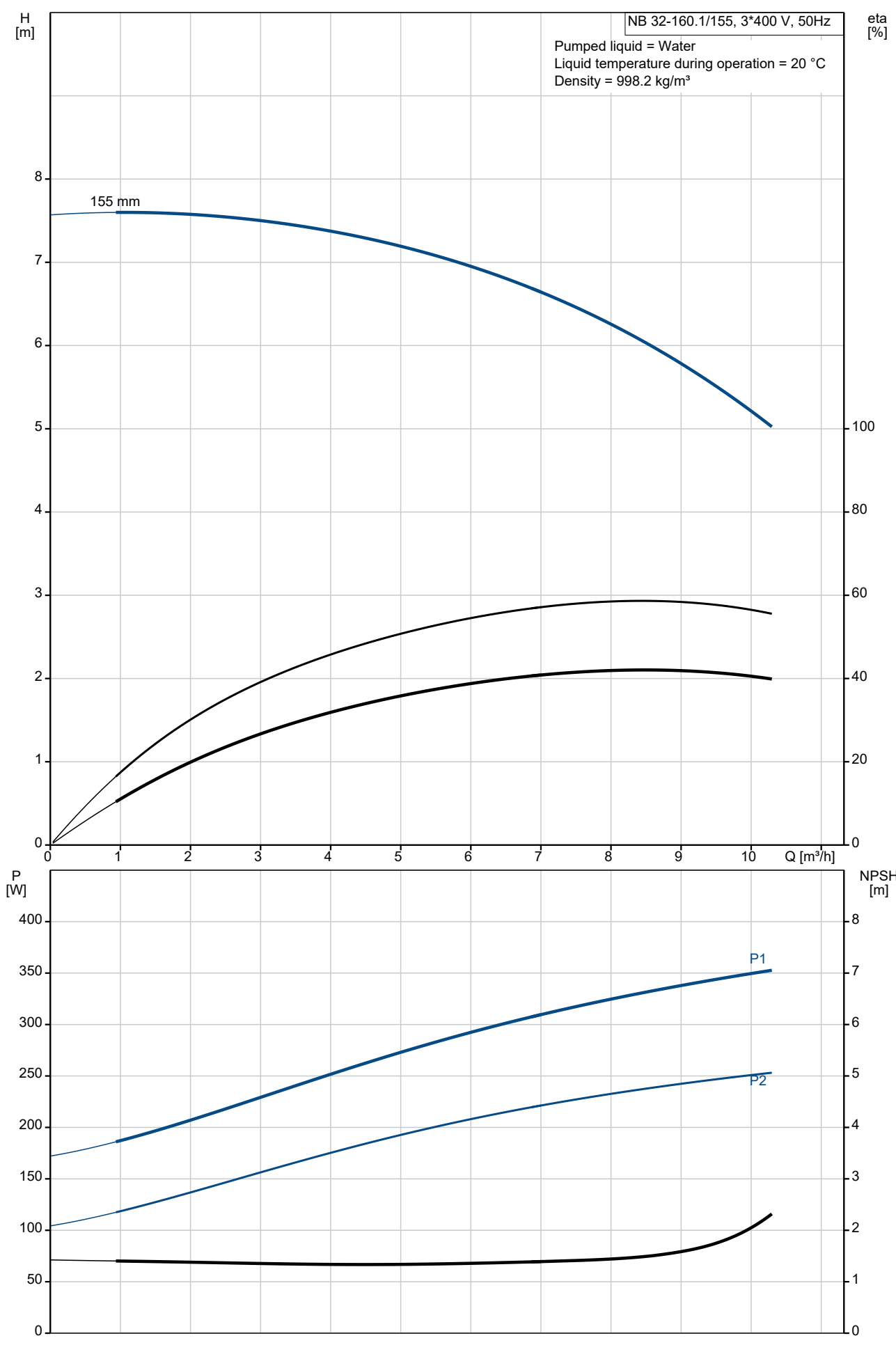
#### Datasheet



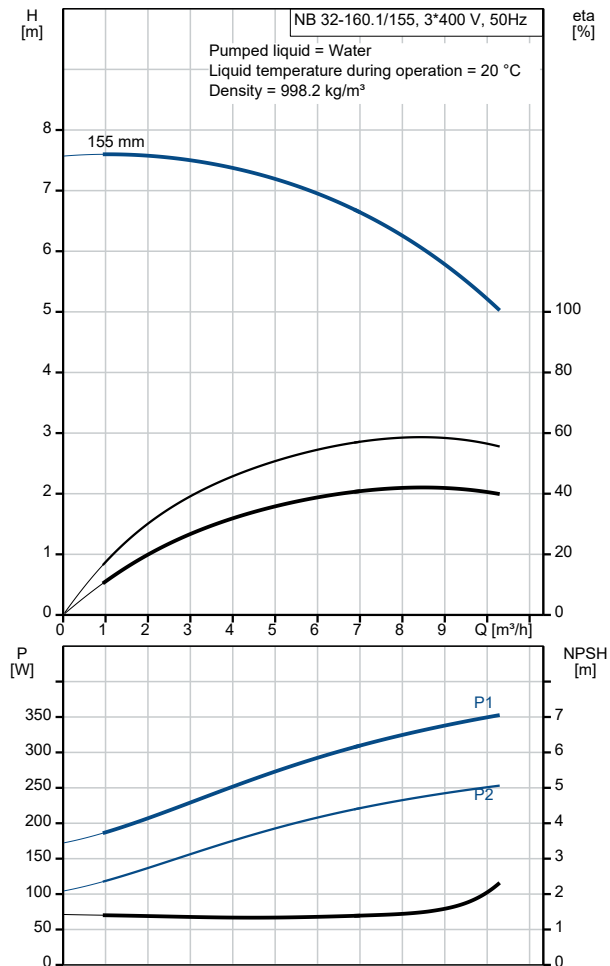
| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p><b>NB 32-160.1/155 AF2ABQQE</b></p>  <p>Product No.: <a href="#">98971400</a></p> <p>Non-self priming, single-stage centrifugal<br/>Flange standard: pump according to EN 1092-2.</p> <p>The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids.</p> <p>The pump is directly coupled with an<br/>Phase: IEC-flanged 3-phase AC motor.</p> <p>The impeller is hydraulically as well as dynamically balanced.</p> <p>The pump has the following characteristics:</p> <ul style="list-style-type: none"> <li>- flange dimensions according to EN 1092-2,</li> </ul> <p>Pump housing: - Cast iron volute pump housing,</p> <ul style="list-style-type: none"> <li>- stainless steel shaft</li> </ul> <p>Impeller: and Cast iron impeller and bronze wear rings,</p> <ul style="list-style-type: none"> <li>- unbalanced mechanical shaft seal according to EN 12756.</li> </ul> <p>Controls:</p> <p>Frequency converter: NONE</p> <p>Pressure sensor: N</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -25 .. 120 °C</p> <p>Selected liquid temperature: 20 °C</p> <p>Density: 998.2 kg/m<sup>3</sup></p> <p>Technical:</p> <p>Pump speed on which pump data are based: 1420 rpm</p> <p>Rated flow: 9.11 m<sup>3</sup>/h</p> <p>Rated head: 5.658 m</p> <p>Actual impeller diameter: 155 mm</p> <p>Nominal impeller diameter: 160.1</p> <p>Shaft seal arrangement: Single</p> <p>Code for shaft seal: BQQE</p> <p>Curve tolerance: ISO9906:2012 3B2</p> <p>Bearing design: Standard</p> <p>Materials:</p> <p>Pump housing: Cast iron<br/>EN-GJL-250<br/>ASTM class 35</p> <p>Wear ring: Brass</p> <p>Impeller: Cast iron</p> |

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | EN-GJL-200<br>ASTM class 30<br>Shaft: Stainless steel<br>EN 1.4301<br>AISI 304<br>Internal pump house coating: CED<br><br>Installation:<br>Maximum ambient temperature: 40 °C<br>Maximum operating pressure: 16 bar<br>Pipe connection standard: EN 1092-2<br>Size of inlet connection: DN 50<br>Size of outlet connection: DN 32<br>Pressure rating for connection: PN 16<br>Bearing lubrication: Grease<br>Pump housing with feet: Yes<br>Support block: N<br><br>Electrical data:<br>Motor type: 71A<br>IE Efficiency class: IE2<br>Rated power - P2: 0.25 kW<br>Mains frequency: 50 Hz<br>Rated voltage: 3 x 220-240D/380-415Y V<br>Rated current: 1,30-1,42/0,75-0,82 A<br>Starting current: 410 %<br>Cos phi - power factor: 0.73-0.64<br>Rated speed: 1410-1430 rpm<br>Efficiency: IE2 72,4% - IE2 70,0%<br>Motor efficiency at full load: 72.4-70.0 %<br>Motor efficiency at 3/4 load: 72.6 %<br>Motor efficiency at 1/2 load: 68.3 %<br>Number of poles: 4<br>Enclosure class (IEC 34-5): 55 Dust/Jetting<br>Insulation class (IEC 85): F<br>Motor No: 99928169<br><br>Others:<br>Minimum efficiency index, MEI ≥: 0.70<br>Net weight: 31 kg<br>Gross weight: 41 kg<br>Shipping volume: 0.134 m³<br>Country of origin: HU<br>Custom tariff no.: 84137051 |

98971400 NB 32-160.1/155 AF2ABQQE 50 Hz

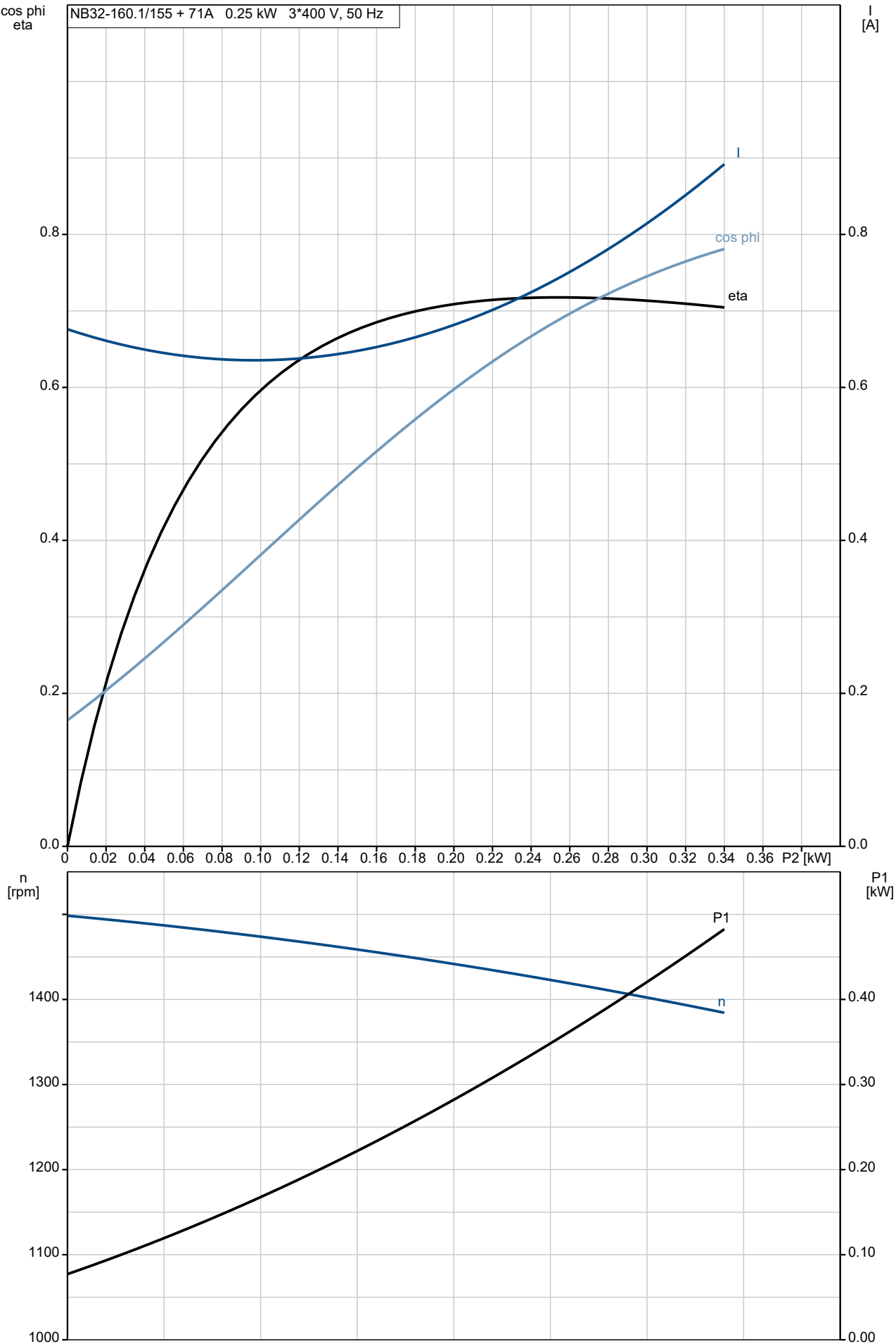


| Description                              | Value                       |
|------------------------------------------|-----------------------------|
| <b>General information:</b>              |                             |
| Product name:                            | NB 32-160.1/155<br>AF2ABQQE |
| Product No:                              | 98971400                    |
| EAN number:                              | 5712604465806               |
| <b>Technical:</b>                        |                             |
| Pump speed on which pump data are based: | 1420 rpm                    |
| Rated flow:                              | 9.11 m³/h                   |
| Rated head:                              | 5.658 m                     |
| Actual impeller diameter:                | 155 mm                      |
| Nominal impeller diameter:               | 160.1                       |
| Shaft seal arrangement:                  | Single                      |
| Shaft diameter:                          | 24 mm                       |
| Code for shaft seal:                     | BQQE                        |
| Curve tolerance:                         | ISO9906:2012 3B2            |
| Pump version:                            | A                           |
| Bearing design:                          | Standard                    |
| <b>Materials:</b>                        |                             |
| Pump housing:                            | Cast iron                   |
| Pump housing:                            | EN-GJL-250                  |
| Pump housing:                            | ASTM class 35               |
| Wear ring:                               | Brass                       |
| Impeller:                                | Cast iron                   |
| Impeller:                                | EN-GJL-200                  |
| Impeller:                                | ASTM class 30               |
| Shaft:                                   | Stainless steel             |
| Shaft:                                   | EN 1.4301                   |
| Shaft:                                   | AISI 304                    |
| Internal pump house coating:             | CED                         |
| Material code:                           | A                           |
| Code for rubber:                         | E                           |
| <b>Installation:</b>                     |                             |
| Maximum ambient temperature:             | 40 °C                       |
| Maximum operating pressure:              | 16 bar                      |
| Pipe connection standard:                | EN 1092-2                   |
| Size of inlet connection:                | DN 50                       |
| Size of outlet connection:               | DN 32                       |
| Pressure rating for connection:          | PN 16                       |
| Bearing lubrication:                     | Grease                      |
| Pump housing with feet:                  | Yes                         |
| Support block:                           | N                           |
| Connect code:                            | F2                          |
| <b>Liquid:</b>                           |                             |
| Pumped liquid:                           | Water                       |
| Liquid temperature range:                | -25 .. 120 °C               |
| Selected liquid temperature:             | 20 °C                       |
| Density:                                 | 998.2 kg/m³                 |
| <b>Electrical data:</b>                  |                             |
| Motor type:                              | 71A                         |
| IE Efficiency class:                     | IE2                         |
| Rated power - P2:                        | 0.25 kW                     |
| Mains frequency:                         | 50 Hz                       |
| Rated voltage:                           | 3 x 220-240D/380-415Y V     |
| Rated current:                           | 1,30-1,42/0,75-0,82 A       |
| Starting current:                        | 410 %                       |
| Cos phi - power factor:                  | 0.73-0.64                   |
| Rated speed:                             | 1410-1430 rpm               |
| Efficiency:                              | IE2 72,4% - IE2 70,0%       |
| Motor efficiency at full load:           | 72.4-70.0 %                 |
| Motor efficiency at 3/4 load:            | 72.6 %                      |
| Motor efficiency at 1/2 load:            | 68.3 %                      |
| Number of poles:                         | 4                           |
| Enclosure class (IEC 34-5):              | 55 Dust/Jetting             |

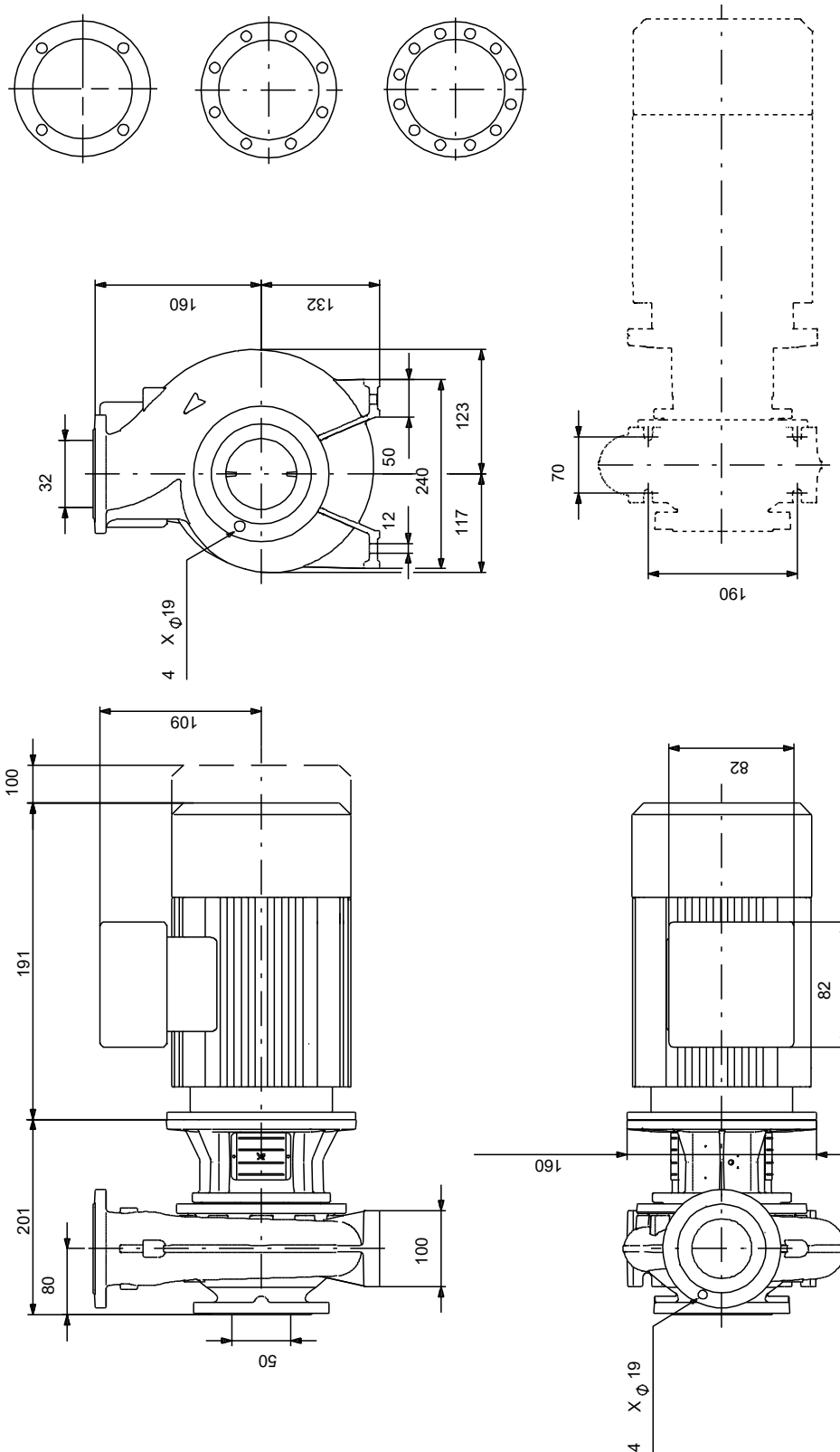


| Description                      | Value    |
|----------------------------------|----------|
| Insulation class (IEC 85):       | F        |
| Motor protec:                    | NONE     |
| Motor No:                        | 99928169 |
| Mount. design. acc. IEC 34-7:    | IM V1/B5 |
| <b>Controls:</b>                 |          |
| Frequency converter:             | NONE     |
| Pressure sensor:                 | N        |
| <b>Others:</b>                   |          |
| Minimum efficiency index, MEI ≥: | 0.70     |
| Net weight:                      | 31 kg    |
| Gross weight:                    | 41 kg    |
| Shipping volume:                 | 0.134 m³ |
| Country of origin:               | HU       |
| Custom tariff no.:               | 84137051 |

98971400 NB 32-160.1/155 AF2ABQQE 50 Hz



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Note! All units are in [mm] unless others are stated.  
Disclaimer: This simplified dimensional drawing does not show all details.

**Spare parts NB 32-160.1/155, Product No. 98971400**  
**Produced After 2101 (production year and week number)**

| Pos | Omschrijving              | Opmerking tekst | Classificatie Gegevens   | Onderdeelnr. | Aantal | Eenheid |
|-----|---------------------------|-----------------|--------------------------|--------------|--------|---------|
| -   | Bulk, Nut                 |                 |                          | 92514630     | 1      | pcs     |
| 67  | Nut                       |                 | Thread: M14              |              | 5      |         |
| -   | Bulk, o-ring              |                 |                          | 92547662     | 1      | pcs     |
| 72a | O-ring                    |                 |                          |              | 5      |         |
| -   | Bulk, Plug vent           |                 |                          | 96620482     | 1      | pcs     |
| 18  | Plug                      |                 |                          |              | 5      |         |
| -   | Bulk, Shaft seal          |                 |                          | 99380916     | 1      | pcs     |
| 105 | Shaft seal                |                 |                          |              | 5      |         |
| -   | Kit, motor stool          |                 |                          | 98990895     | 1      | pcs     |
| 1a  | Motor stool               |                 |                          |              | 1      |         |
| 9   | Hex socket head cap screw |                 | Length (mm): 35          |              | 4      |         |
|     |                           |                 | Thread: M8               |              |        |         |
| 18  | Plug                      |                 |                          |              | 1      |         |
| 19  | Pipe plug                 |                 | Thread: R 3/8            |              | 2      |         |
| 36  | Nut                       |                 | Thread: M10              |              | 6      |         |
| 76a | Rivet                     |                 |                          |              | 2      |         |
| -   | Kit, nut                  |                 |                          | 96939128     | 1      | pcs     |
| 11  | Parallel key              |                 | Dimension: 6X6X35        |              | 1      |         |
| -   | 36 Nut                    |                 |                          |              | 1      |         |
| 66a | Spring lock washer        |                 |                          |              | 1      |         |
| 66  | Washer                    |                 |                          |              | 1      |         |
| 67  | Nut                       |                 | Thread: M14              |              | 1      |         |
| -   | Kit, pump housing         |                 |                          | 95131703     | 1      | pcs     |
| -   | 6 Pump housing            |                 |                          |              | 1      |         |
| 26  | Staybolt                  |                 | Length (mm): 40          |              | 6      |         |
|     |                           |                 | Thread: M10              |              |        |         |
| 45  | Wear ring                 |                 |                          |              | 1      |         |
| 20  | Pipe plug                 |                 | Thread: R 3/8            |              | 2      |         |
| 36  | Nut                       |                 | Thread: M10              |              | 6      |         |
| -   | Kit, stub shaft           |                 |                          | 96039349     | 1      | pcs     |
| 9   | Socket set screw          |                 |                          |              | 2      |         |
| 11  | Parallel key              |                 | Dimension: 6X6X35        |              | 1      |         |
| 51  | Stub shaft                |                 |                          |              | 1      |         |
| 66a | Spring lock washer        |                 |                          |              | 1      |         |
| 66  | Washer                    |                 | Internal diameter: 14,25 |              | 1      |         |
|     |                           |                 | Outer diameter: 28       |              |        |         |
|     |                           |                 | Thickness: 4             |              |        |         |
| 67  | Nut                       |                 | Thread: M14              |              | 1      |         |
| -   | Spare, O-ring             |                 |                          | 97757659     | 1      | pcs     |
| 72a | O-ring                    |                 |                          |              | 1      |         |
| -   | Spare, plug vent          |                 |                          | 98164277     | 1      | pcs     |
| 18  | Plug                      |                 |                          |              | 1      |         |
| -   | Spare, shaft seal         |                 |                          | 98434904     | 1      | pcs     |
| 105 | Shaft seal                |                 |                          |              | 1      |         |
| -   | Spare, wear ring          |                 |                          | 99208775     | 1      | pcs     |
| 45  | Wear ring                 |                 |                          |              | 1      |         |
|     | Motor                     |                 |                          | 92509353     | 1      | pcs     |
| 49  | Impeller                  |                 | Outer diameter: 155      | 98296618     | 1      | pcs     |