

## NB40-125/130 A-F2-A-GQQE

Grundfos Pump 96529023



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<https://www.lenntech.com/grundfos/NB000/96529023/NB-40-125-130-A-F-A-GQQE.html>

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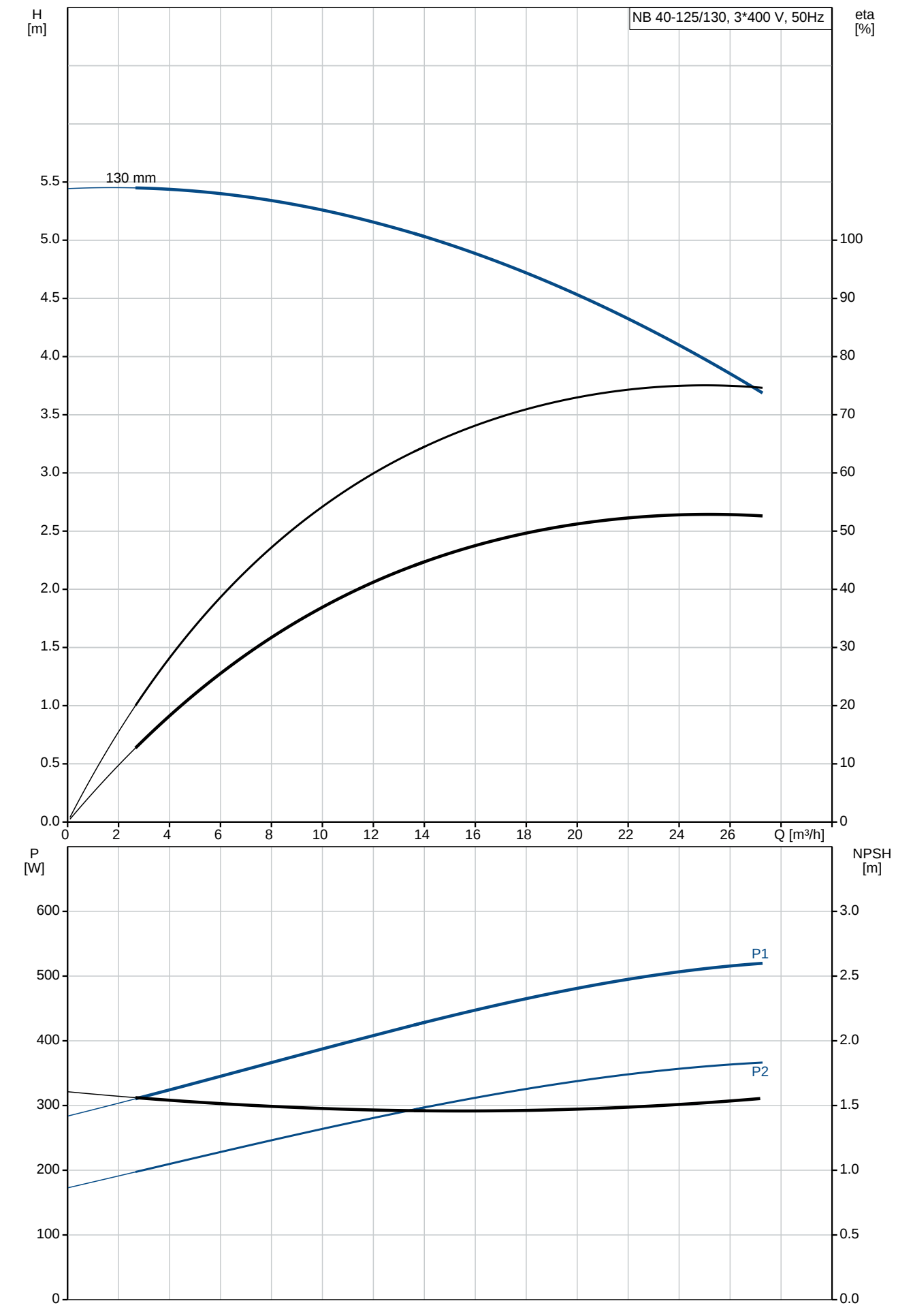
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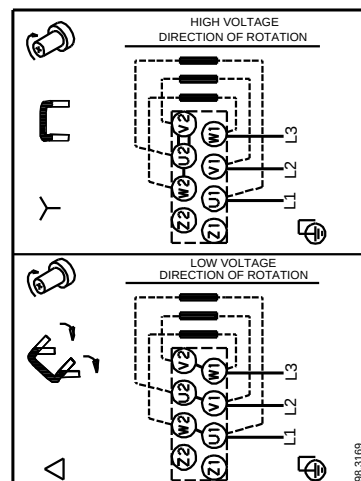
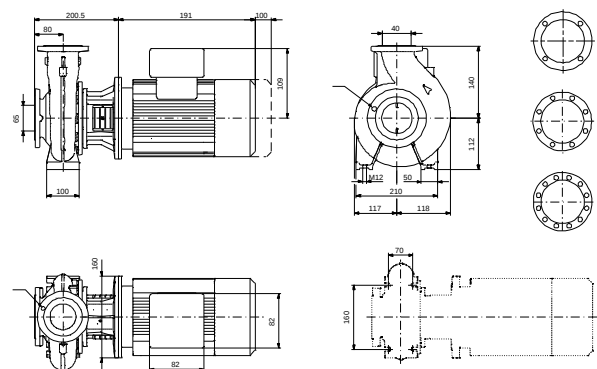
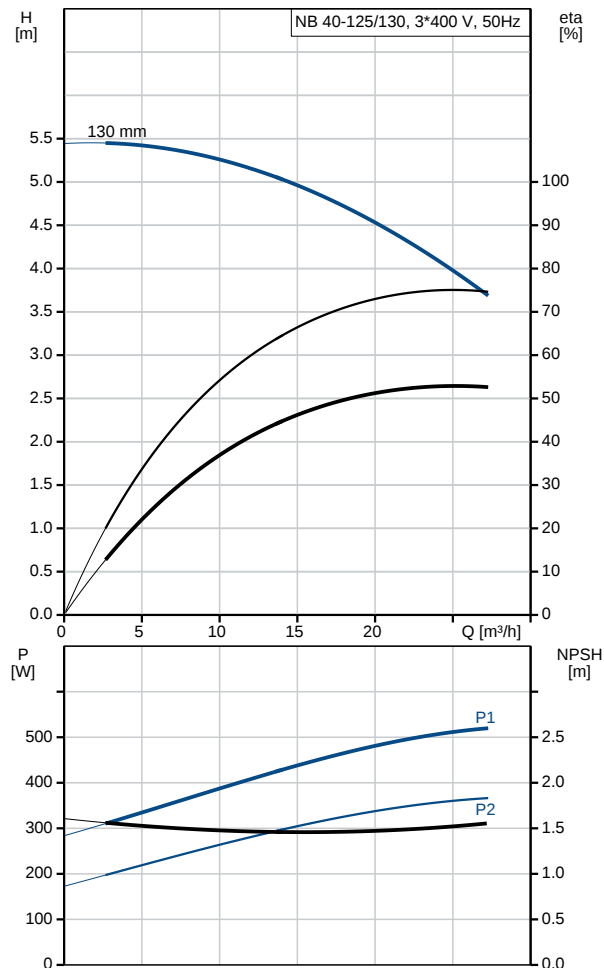
| Position | Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | 1    | <p><b>NB 40-125/130 A-F-A-GQQE</b></p>  <p><b>Note! Product picture may differ from actual product</b></p> <p>Product No.: <a href="#">96529023</a></p> <p>Non-self priming, single-stage centrifugal pump according to DIN.</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 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> <li>- Cast iron volute pump housing,</li> <li>- stainless steel shaft and Cast iron impeller and bronze wear rings,</li> <li>- unbalanced mechanical shaft seal according to EN 12756.</li> </ul> <p><b>Liquid:</b></p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -25 .. 90 °C</p> <p>Liquid temperature during operation: 20 °C</p> <p>Density: 998.2 kg/m<sup>3</sup></p> <p><b>Technical:</b></p> <p>Speed for pump data: 1410 rpm</p> <p>Rated flow: 22.5 m<sup>3</sup>/h</p> <p>Rated head: 4.2 m</p> <p>Actual impeller diameter: 130 mm</p> <p>Impeller nom: 125 mm</p> <p>Primary shaft seal: GQQE</p> <p><b>Materials:</b></p> <p>Pump housing: Cast iron<br/>EN-JL1040</p> <p>Impeller: Cast iron<br/>EN-JL1030<br/>ASTM A48-30 B</p> <p><b>Installation:</b></p> <p>Maximum ambient temperature: 40 °C</p> <p>Maximum operating pressure: 16 bar</p> <p>Flange standard: DIN</p> <p>Pump inlet: DN 65</p> |

| Position | Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |      | Pump outlet: DN 40<br>Pressure rating: PN16<br><br><b>Electrical data:</b><br>Motor type: 71B<br>Rated power - P2: 0.37 kW<br>Mains frequency: 50 Hz<br>Rated voltage: 3 x 220-240 D/380-415 Y V<br>Rated current: 1,90/1,10 A<br>Starting current: 400-440 %<br>Cos phi - power factor: 0,77-0,67<br>Rated speed: 1400-1420 rpm<br>Efficiency: 66,0%<br>Motor efficiency at full load: 71 %<br>Motor efficiency at 3/4 load: 72.2 %<br>Motor efficiency at 1/2 load: 67.6 %<br>Number of poles: 4<br>Enclosure class (IEC 34-5): IP55<br>Insulation class (IEC 85): F<br><br><b>Others:</b><br>Net weight: 35.3 kg<br>Gross weight: 41 kg<br>Shipping volume: 0.138 m <sup>3</sup> |

96529023 NB 40-125/130 50 Hz



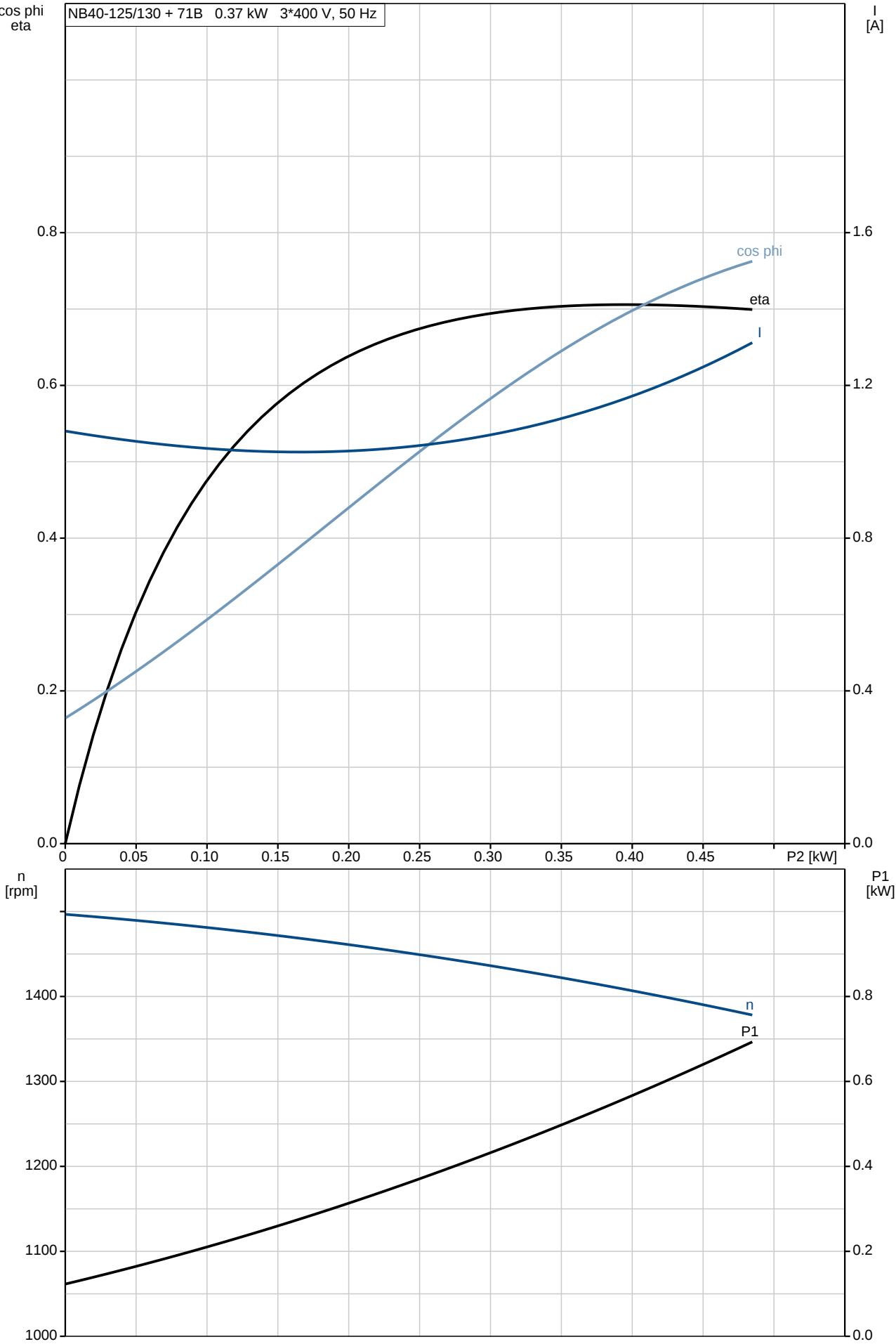
| Description                          | Value                                   |
|--------------------------------------|-----------------------------------------|
| <b>General information:</b>          |                                         |
| Product name:                        | NB 40-125/130 A-F-A-GQQE                |
| Product No:                          | 96529023                                |
| EAN number:                          | 5700397155554                           |
| <b>Technical:</b>                    |                                         |
| Speed for pump data:                 | 1410 rpm                                |
| Rated flow:                          | 22.5 m³/h                               |
| Rated head:                          | 4.2 m                                   |
| Actual impeller diameter:            | 130 mm                                  |
| Impeller nom:                        | 125 mm                                  |
| Primary shaft seal:                  | GQQE                                    |
| Pump version:                        | A                                       |
| <b>Materials:</b>                    |                                         |
| Pump housing:                        | Cast iron<br>EN-JL1040<br>ASTM A48-40 B |
| Impeller:                            | Cast iron<br>EN-JL1030<br>ASTM A48-30 B |
| Material code:                       | A                                       |
| <b>Installation:</b>                 |                                         |
| Maximum ambient temperature:         | 40 °C                                   |
| Maximum operating pressure:          | 16 bar                                  |
| Flange standard:                     | DIN                                     |
| Connect code:                        | F                                       |
| Pump inlet:                          | DN 65                                   |
| Pump outlet:                         | DN 40                                   |
| Pressure rating:                     | PN16                                    |
| Wear ring(s):                        | neckring(s)                             |
| <b>Liquid:</b>                       |                                         |
| Pumped liquid:                       | Water                                   |
| Liquid temperature range:            | -25 .. 90 °C                            |
| Liquid temperature during operation: | 20 °C                                   |
| Density:                             | 998.2 kg/m³                             |
| <b>Electrical data:</b>              |                                         |
| Motor type:                          | 71B                                     |
| Rated power - P2:                    | 0.37 kW                                 |
| Mains frequency:                     | 50 Hz                                   |
| Rated voltage:                       | 3 x 220-240 D/380-415 Y V               |
| Rated current:                       | 1,90/1,10 A                             |
| Starting current:                    | 400-440 %                               |
| Cos phi - power factor:              | 0,77-0,67                               |
| Rated speed:                         | 1400-1420 rpm                           |
| Efficiency:                          | 66,0%                                   |
| Motor efficiency at full load:       | 71 %                                    |
| Motor efficiency at 3/4 load:        | 72.2 %                                  |
| Motor efficiency at 1/2 load:        | 67.6 %                                  |
| Number of poles:                     | 4                                       |
| Enclosure class (IEC 34-5):          | IP55                                    |
| Insulation class (IEC 85):           | F                                       |
| Motor protec:                        | NONE                                    |
| Motor No:                            | 87100307                                |
| Mount. design. acc. IEC 34-7:        | IM V1/B5                                |
| <b>Others:</b>                       |                                         |
| Net weight:                          | 35.3 kg                                 |
| Gross weight:                        | 41 kg                                   |
| Shipping volume:                     | 0.138 m³                                |



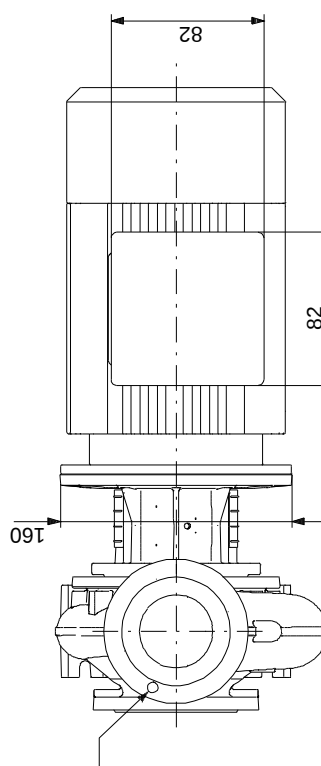
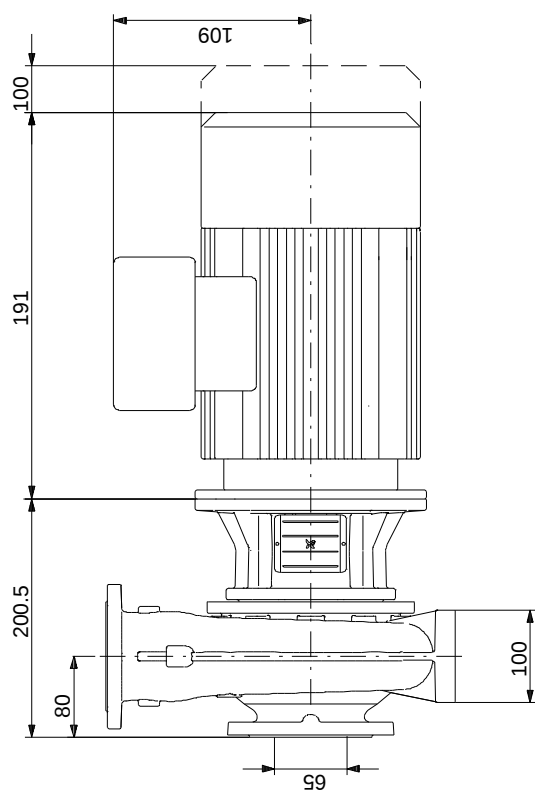
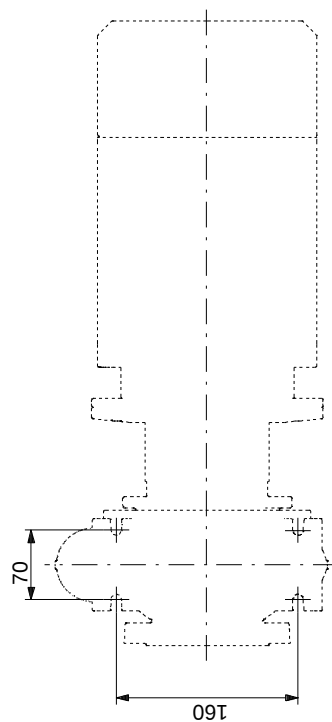
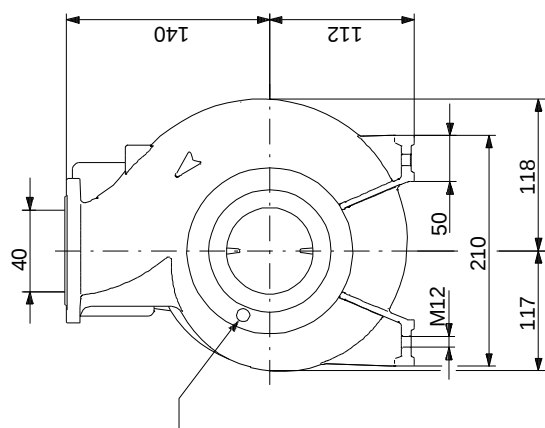
96529023 NB 40-125/130 50 Hz

cos phi  
eta

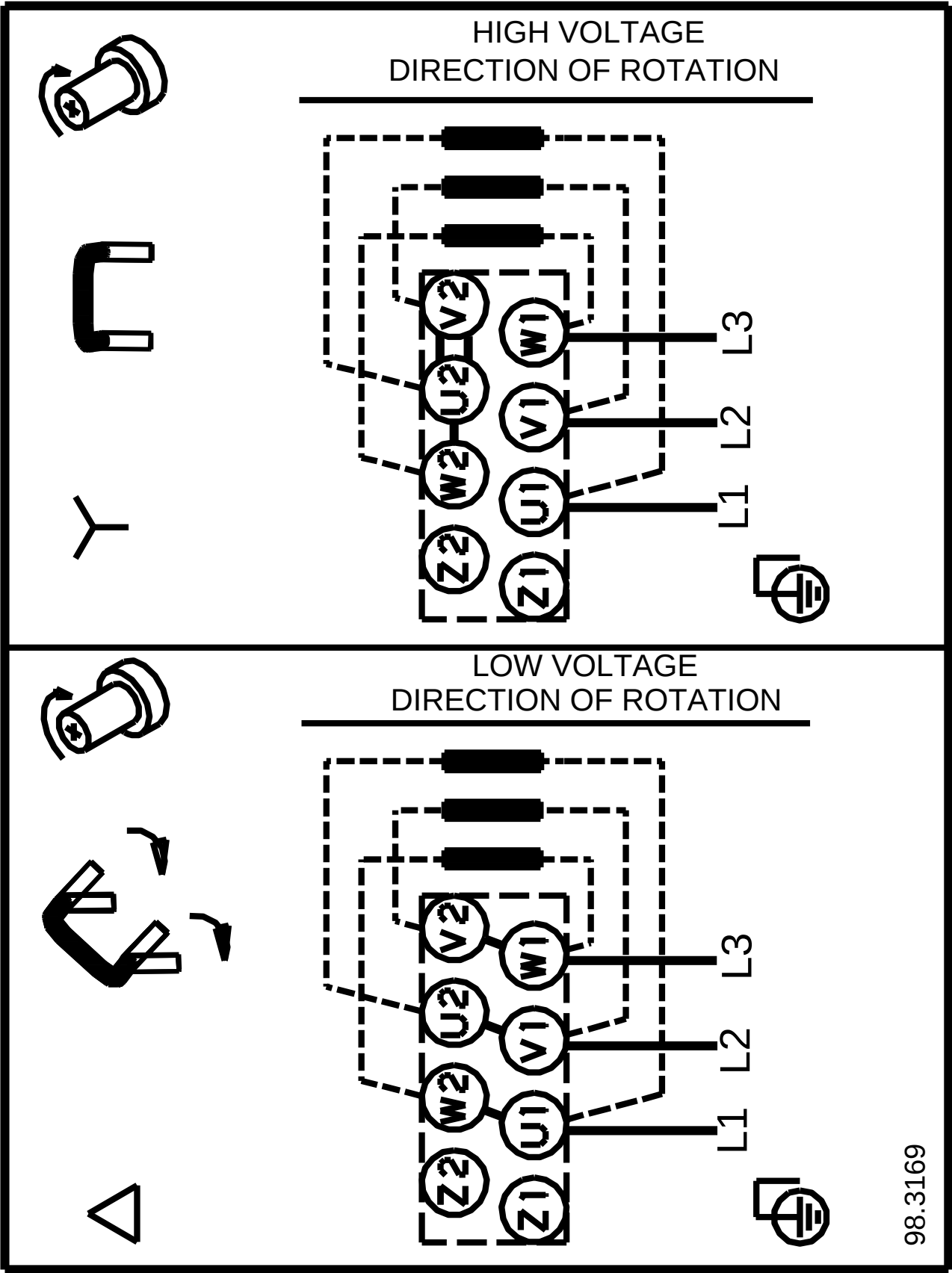
NB40-125/130 + 71B 0.37 kW 3\*400 V, 50 Hz



# 96529023 NB 40-125/130 50 Hz



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



98.3169

Note! All units are in [mm] unless others are stated.

*Disclaimer: The information about the Grundfos pump in this document may be outdated.  
Data may be subject to alterations without further notice.  
Please contact us to verify the data above is still accurate/up-to-date.*

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