

## Inventflow: Grundfos A-partner

### Grundfos NBE 32-200/216 AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nbe/grundfos-nbe-32-200-216-af2abqqe>

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#### Datasheet

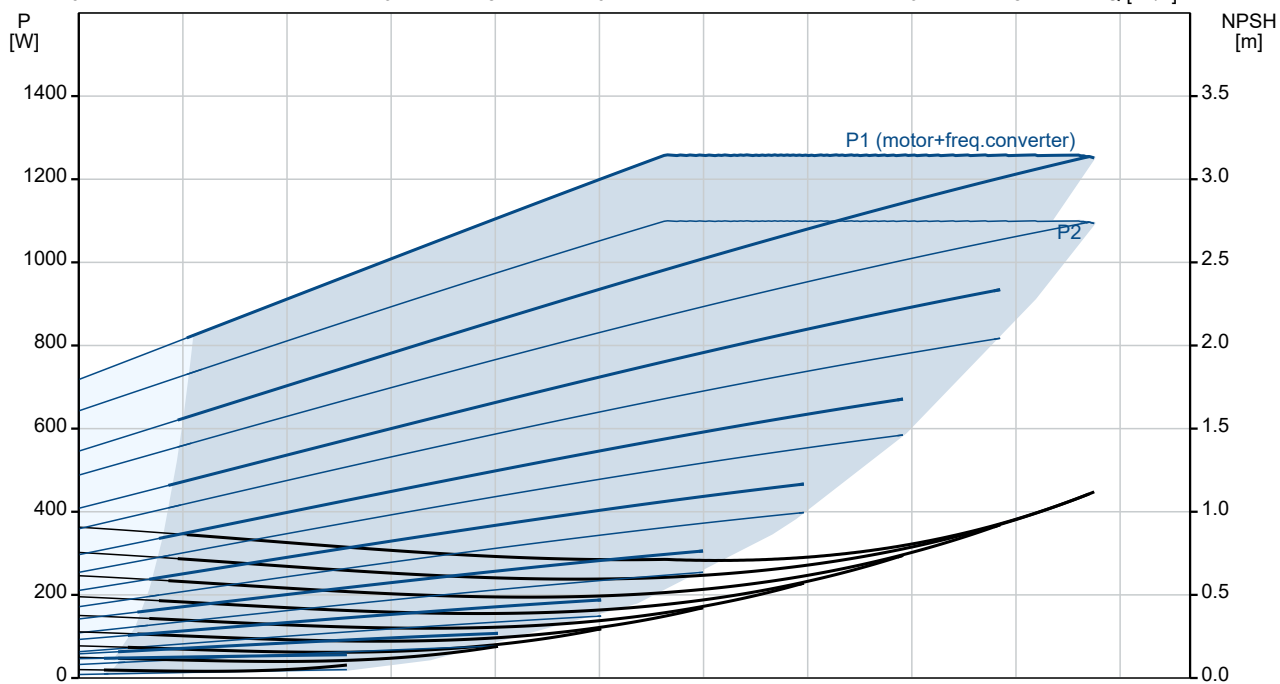
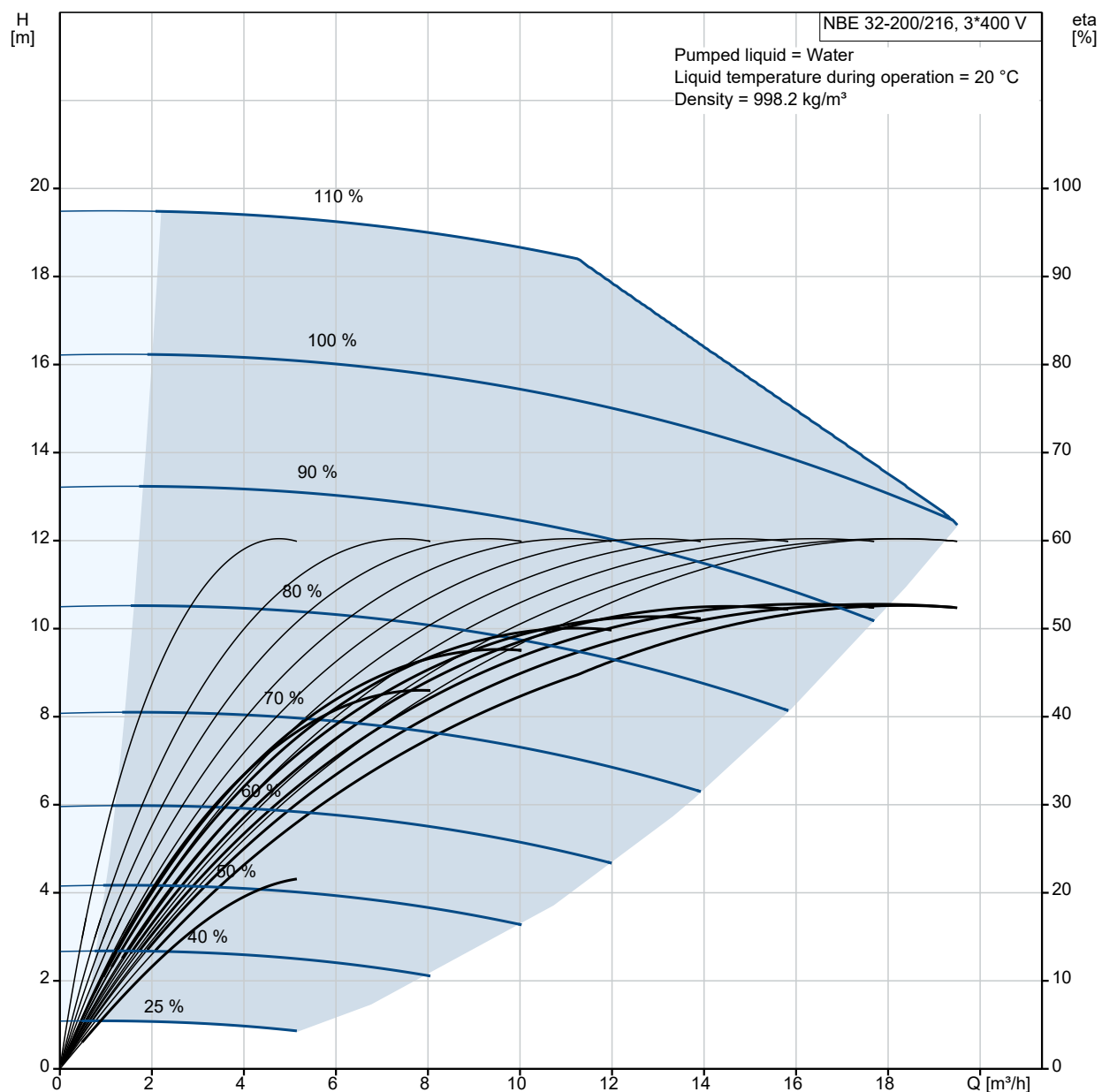


| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 1    | <p data-bbox="204 159 526 185"><b>NBE 32-200/216 AF2ABQQE</b></p> <div data-bbox="220 197 574 495">  </div> <p data-bbox="595 479 1062 501">Note! Product picture may differ from actual product</p> <p data-bbox="204 510 464 535">Product No.: <a href="#">99104673</a></p> <p data-bbox="204 568 893 627">Non-self priming, single-stage centrifugal<br/>Flange standard: pump according to EN 1092-2.</p> <p data-bbox="204 658 683 772">The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids.</p> <p data-bbox="204 806 612 864">The impeller is hydraulically as well as dynamically balanced.</p> <p data-bbox="204 896 667 922">The pump has the following characteristics:</p> <ul data-bbox="240 925 750 983" style="list-style-type: none"> <li>- flange dimensions according to EN 1092-2,</li> </ul> <p data-bbox="204 985 750 1043">Pump housing: - Cast iron volute pump housing,</p> <ul data-bbox="240 1046 491 1072" style="list-style-type: none"> <li>- stainless steel shaft</li> </ul> <p data-bbox="204 1075 802 1102">Impeller: and Cast iron impeller</p> <p data-bbox="225 1104 643 1191">and bronze wear rings,<br/>- unbalanced mechanical shaft seal according to EN 12756.</p> <p data-bbox="204 1225 748 1400">The pump is fitted with an IEC-flanged three-phase MGE motor with frequency converter and PI-controller integrated in the motor terminal box. No additional motor protection is required, as both motor and electronics are protected by integrated overload and temperature protection.</p> <p data-bbox="204 1433 732 1518">An external sensor can be connected if controlled pump operation based on for example flow, differential pressure or temperature is required.</p> <p data-bbox="204 1552 738 1666">A control panel enables setting of required setpoint as well as setting of pump to MIN or MAX operation or to STOP. The control panel has indicator lights for "Operation" and "Fault".</p> <p data-bbox="204 1700 759 1845">Communication with the pump is possible by means of Grundfos R100 Remote Control enabling further settings as well as reading out of a number of parameters such as "Actual value", "Speed", "Power input" and total "Power consumption".</p> <p data-bbox="204 1879 628 1937">The terminal box holds terminals for the connection of:</p> <ul data-bbox="240 1939 764 2085" style="list-style-type: none"> <li>- pump start/stop (potential-free contact),</li> <li>- external remote setpoint setting via analog signal, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA,</li> <li>- 5 V voltage supply for setpoint potentiometer, I<sub>max</sub> = 5 mA,</li> </ul> |

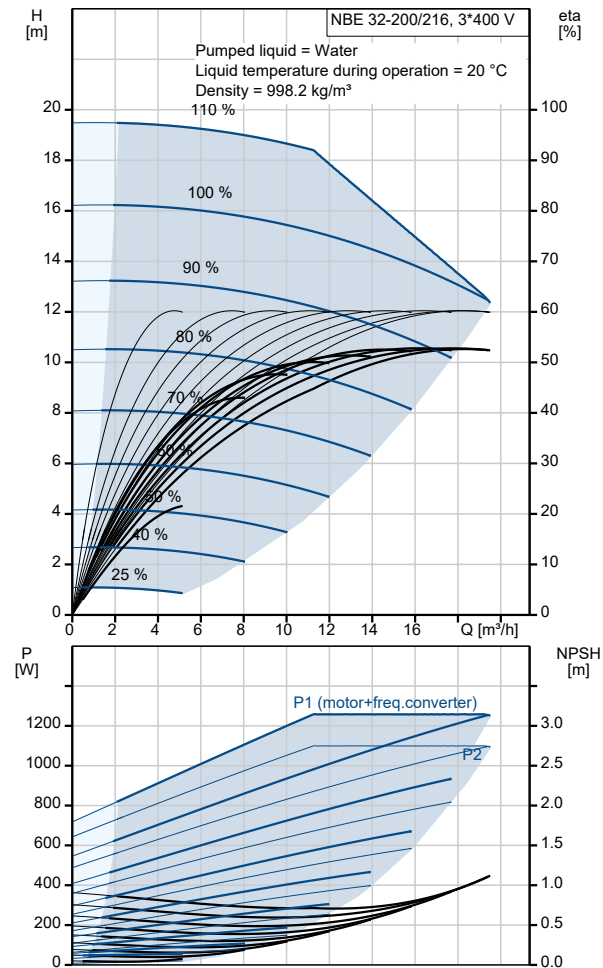
| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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|      | <ul style="list-style-type: none"> <li>- sensor, 0 - 5 V, 0 - 10 V, 0(4) - 20 mA,</li> <li>- 24 V voltage supply for sensor, I<sub>max</sub> = 40 mA,</li> <li>- input for forced control to MIN or MAX (potential-free contact),</li> <li>- potential-free fault signal relay with changeover contact,</li> <li>- RS485 GENIbus.</li> </ul> <p>Controls:</p> <p>Frequency converter: Built-in</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: 1450 rpm</p> <p>Rated flow: 19.1 m<sup>3</sup>/h</p> <p>Rated head: 12.7 m</p> <p>Actual impeller diameter: 216 mm</p> <p>Nominal impeller diameter: 200</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<br/>EN-GJL-200<br/>ASTM class 30</p> <p>Shaft: Stainless steel<br/>EN 1.4301<br/>AISI 304</p> <p>Internal pump house coating: CED</p> <p>Installation:</p> <p>Maximum ambient temperature: 50 °C</p> <p>Maximum operating pressure: 16 bar</p> <p>Pipe connection standard: EN 1092-2</p> <p>Size of inlet connection: DN 50</p> <p>Size of outlet connection: DN 32</p> <p>Pressure rating for connection: PN 16</p> <p>Bearing lubrication: Grease</p> <p>Pump housing with feet: Yes</p> <p>Support block: N</p> <p>Electrical data:</p> <p>IE Efficiency class: IE5</p> <p>Rated power - P<sub>2</sub>: 1.1 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-500 V</p> <p>Rated current: 2.30-2.10 A</p> <p>Cos phi - power factor: 0.90-0.74</p> <p>Rated speed: 180-2000 rpm</p> <p>Efficiency: 87.2%</p> <p>Motor efficiency at full load: 87.2 %</p> <p>Number of poles: 4</p> <p>Enclosure class (IEC 34-5): IP55</p> |

| Qty. | Description                                                                                                                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <div data-bbox="194 159 678 224"> Insulation class (IEC 85): F<br/> Motor No: 99116407 </div> <div data-bbox="194 248 678 459"> Others:<br/> Minimum efficiency index, MEI ≥: 0.69<br/> Net weight: 47 kg<br/> Gross weight: 57 kg<br/> Shipping volume: 0.134 m<sup>3</sup><br/> Country of origin: HU<br/> Custom tariff no.: 84137051 </div> |

# 99104673 NBE 32-200/216 AF2ABQQE 50 Hz

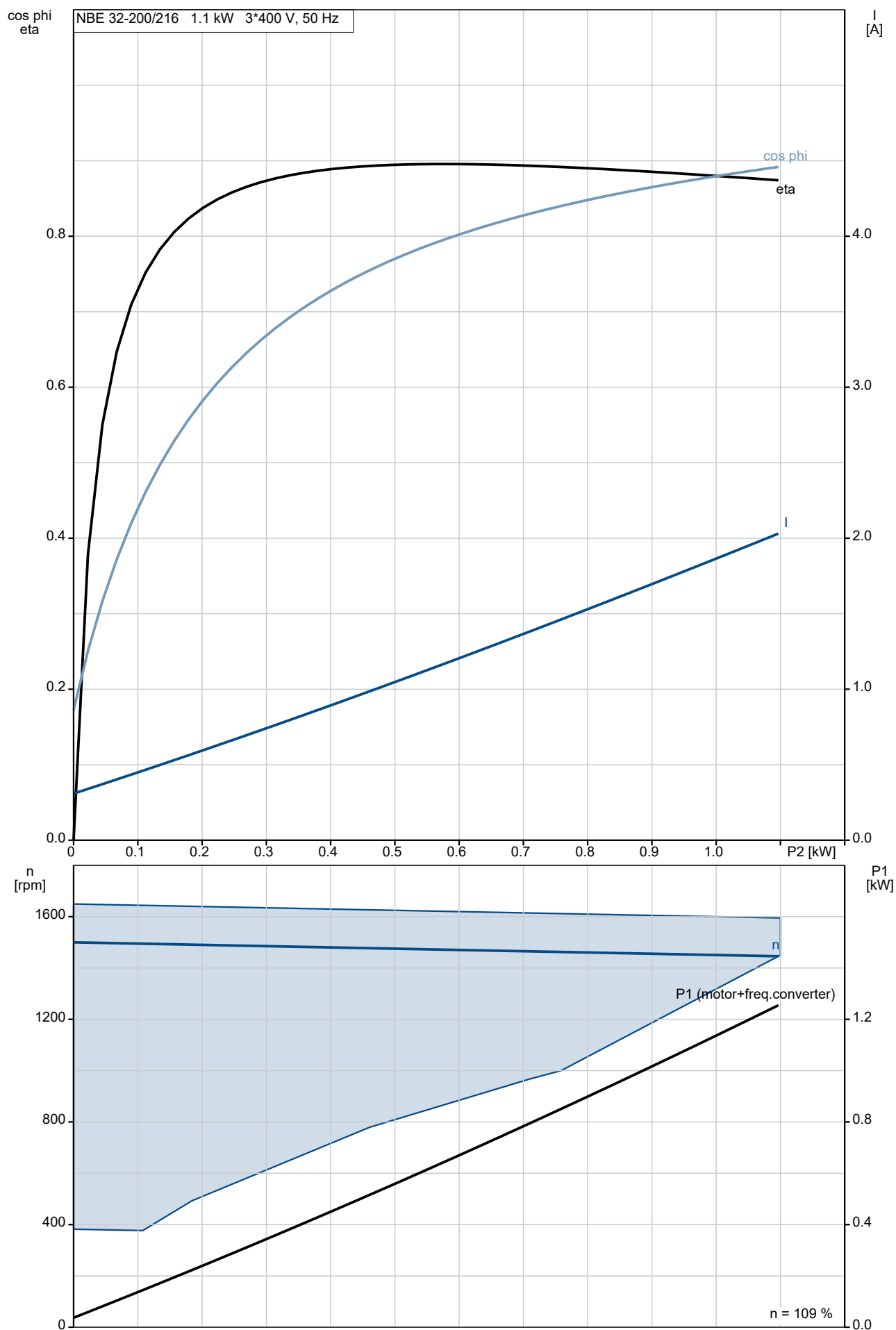


| Description                              | Value                   |
|------------------------------------------|-------------------------|
| <b>General information:</b>              |                         |
| Product name:                            | NBE 32-200/216 AF2ABQQE |
| Product No:                              | 99104673                |
| EAN number:                              | 5712606839544           |
| <b>Technical:</b>                        |                         |
| Pump speed on which pump data are based: | 1450 rpm                |
| Rated flow:                              | 19.1 m³/h               |
| Rated head:                              | 12.7 m                  |
| Actual impeller diameter:                | 216 mm                  |
| Nominal impeller diameter:               | 200                     |
| 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:             | 50 °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>                  |                         |
| IE Efficiency class:                     | IE5                     |
| Rated power - P2:                        | 1.1 kW                  |
| Mains frequency:                         | 50 Hz                   |
| Rated voltage:                           | 3 x 380-500 V           |
| Rated current:                           | 2.30-2.10 A             |
| Cos phi - power factor:                  | 0.90-0.74               |
| Rated speed:                             | 180-2000 rpm            |
| Efficiency:                              | 87.2%                   |
| Motor efficiency at full load:           | 87.2 %                  |
| Number of poles:                         | 4                       |
| Enclosure class (IEC 34-5):              | IP55                    |
| Insulation class (IEC 85):               | F                       |
| Motor protec:                            | ELEC                    |
| Motor No:                                | 99116407                |
| Mount. design. acc. IEC 34-7:            | IM V1/B5                |

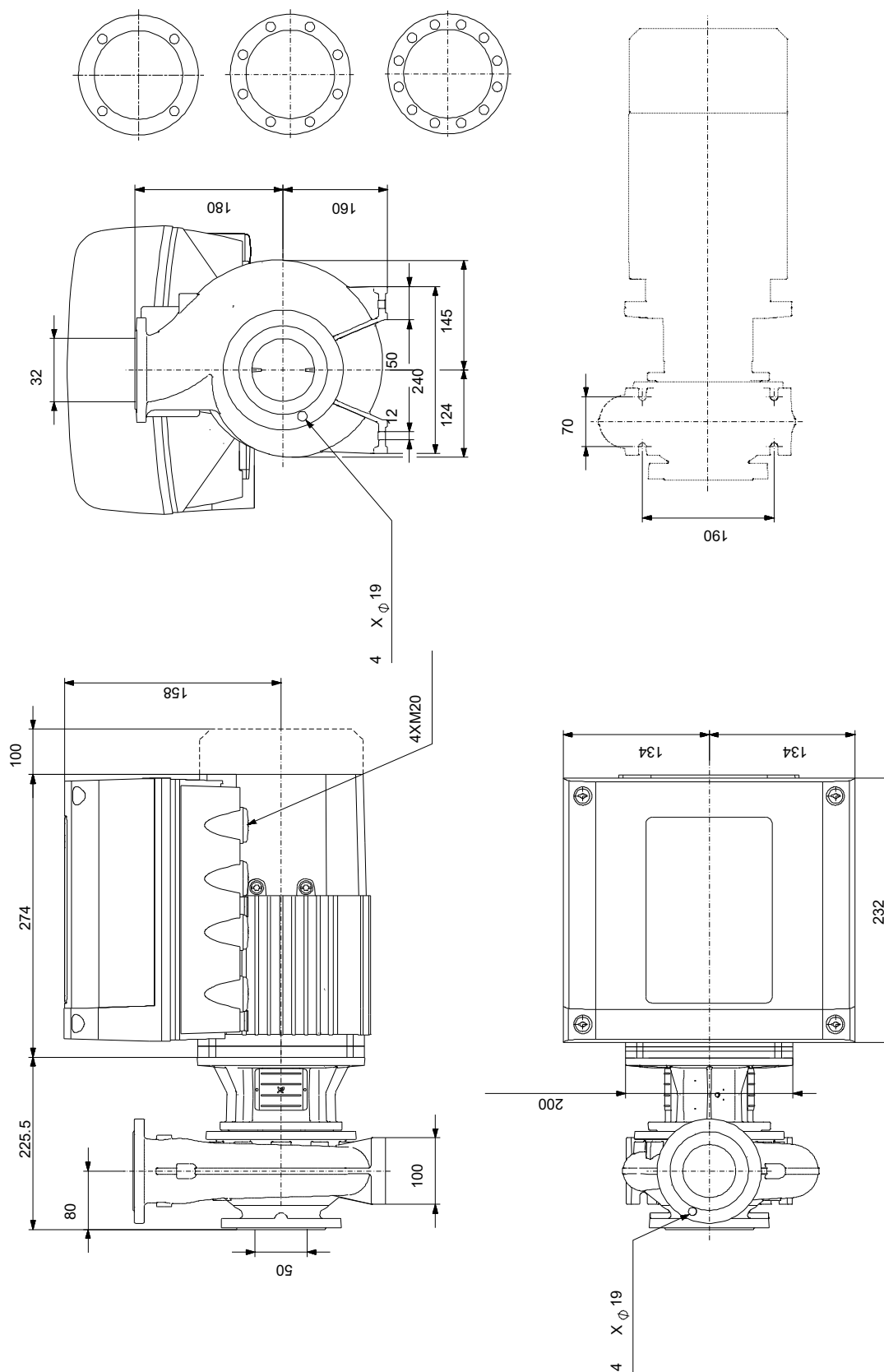


| Description                      | Value              |
|----------------------------------|--------------------|
| <b>Controls:</b>                 |                    |
| Control panel:                   | HMI300 - Graphical |
| Function Module:                 | FM300 - Advanced   |
| Frequency converter:             | Built-in           |
| Pressure sensor:                 | N                  |
| <b>Others:</b>                   |                    |
| Minimum efficiency index, MEI ≥: | 0.69               |
| Net weight:                      | 47 kg              |
| Gross weight:                    | 57 kg              |
| Shipping volume:                 | 0.134 m³           |
| Country of origin:               | HU                 |
| Custom tariff no.:               | 84137051           |

# 99104673 NBE 32-200/216 AF2ABQQE 50 Hz



# 99104673 NBE 32-200/216 AF2ABQQE 50 Hz



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

**Spare parts NBE 32-200/216, Product No. 99104673**  
**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        |                 |                             | 92547617     | 1      | pcs     |
| 72.a | O-ring              |                 | Diameter: 221,84            |              | 5      |         |
|      |                     |                 | Material type: EPDM         |              |        |         |
|      |                     |                 | Thickness: 3,53             |              |        |         |
| -    | Bulk, Plug vent     |                 |                             | 96620482     | 1      | pcs     |
| 18   | Plug                |                 |                             |              | 5      |         |
| -    | Bulk, Shaft seal    |                 |                             | 99380916     | 1      | pcs     |
| 105  | Shaft seal          |                 |                             |              | 5      |         |
| -    | Kit, coupling guard |                 |                             | 96809944     | 1      | pcs     |
| 7    | Coupling guard      |                 |                             |              | 2      |         |
| 77a  | Pan head screw      |                 |                             |              | 4      |         |
| -    | Kit, motor stool    |                 |                             | 98990900     | 1      | pcs     |
| 1a   | Motor stool         |                 |                             |              | 1      |         |
| 7    | Coupling guard      |                 |                             |              | 2      |         |
| 18   | Plug                |                 |                             |              | 1      |         |
| 36   | Nut                 |                 | Thread: M10                 |              | 12     |         |
| 76a  | Rivet               |                 |                             |              | 2      |         |
| 77a  | Pan head screw      |                 |                             |              | 4      |         |
| -    | 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   |                 |                             | 95131707     | 1      | pcs     |
| -    | 6 Pump housing      |                 |                             |              | 1      |         |
| 26   | Staybolt            |                 | Length (mm): 35             |              | 8      |         |
|      |                     |                 | Thread: M10                 |              |        |         |
| 45   | Wear ring           |                 |                             |              | 1      |         |
| 20   | Pipe plug           |                 | Thread: R 3/8               |              | 2      |         |
| 36   | Nut                 |                 | Thread: M10                 |              | 8      |         |
| -    | Kit, stub shaft     |                 |                             | 96039351     | 1      | pcs     |
| 9    | Socket set screw    |                 | Length (mm): 10             |              | 2      |         |
|      |                     |                 | Thread: M8                  |              |        |         |
| 11   | Parallel key        |                 | Dimension: 6X6X35           |              | 1      |         |
| 51   | Pump shaft          |                 |                             |              | 1      |         |
| 66a  | Spring lock washer  |                 |                             |              | 1      |         |
| 66   | Washer              |                 |                             |              | 1      |         |
| 67   | Nut                 |                 | Thread: M14                 |              | 1      |         |
| +    | Spare, O-ring       |                 |                             | 97757671     | 1      | pcs     |
| -    | Spare, plug vent    |                 |                             | 98164277     | 1      | pcs     |
| 18   | Plug                |                 |                             |              | 1      |         |
| -    | Spare, shaft seal   |                 |                             | 98434904     | 1      | pcs     |
| 105  | Shaft seal          |                 |                             |              | 1      |         |
| -    | Spare, wear ring    |                 |                             | 99208825     | 1      | pcs     |
| 45   | Wear ring           |                 |                             |              | 1      |         |
| -    | Motor               |                 |                             |              | 1      | pcs     |
| -    | Kit, adapter        |                 |                             | 98345796     | 1      |         |
| -    | 252a Adapter set    |                 |                             |              | 1      |         |
|      | Adapter             |                 |                             |              |        |         |
|      | Adapter             |                 |                             |              |        |         |
| 167  | Cable gland         |                 |                             |              |        |         |
| -    | Kit, bearing cpl.   |                 |                             | 98330605     | 1      |         |
| 111  | Ball bearing        |                 | Designation: 6204.2Z.C3.SYN |              | 1      |         |
| 154  | Ball bearing        |                 |                             |              | 1      |         |

| Pos   | Omschrijving                  | Opmerking tekst | Classificatie Gegevens    | Onderdeelnr. | Aantal | Eenheid |
|-------|-------------------------------|-----------------|---------------------------|--------------|--------|---------|
| 156d  | Gasket                        |                 | Internal diameter: 114,80 |              | 1      |         |
|       |                               |                 | Outer diameter: 121,20    |              |        |         |
|       |                               |                 | Thickness: 0,25           |              |        |         |
| 156c  | Seal ring                     |                 |                           |              | 1      |         |
| 156c  | Seal ring                     |                 |                           |              | 1      |         |
| 157   | O-ring                        |                 | Diameter: 47              |              | 1      |         |
|       |                               |                 | Material type: NBR        |              |        |         |
|       |                               |                 | Thickness: 3              |              |        |         |
| 158   | Waved washer                  |                 |                           |              | 1      |         |
| -     | Kit, Blanking plug            |                 |                           | 98334761     | 1      |         |
| 252b  | Plug cpl.                     |                 |                           |              | 4      |         |
| -     | Kit, cable gland              |                 |                           | 98337336     | 1      |         |
| - 293 | Cable glands set              |                 |                           | 98271484     | 1      |         |
| 167   | Cable gland                   |                 |                           |              |        |         |
| 167   | Cable gland                   |                 |                           |              |        |         |
| -     | Kit, connector plugs          |                 |                           | 98403113     | 1      |         |
| 266   | Connector plug 10-pole        |                 |                           |              | 1      |         |
| 266   | Connector plug 2-pole         |                 |                           |              | 1      |         |
| 266   | Connector plug 8-pole         |                 |                           |              | 1      |         |
| 266   | Connector plug 8-pole         |                 |                           |              | 1      |         |
| 266   | Connector plug 8-pole         |                 |                           |              | 1      |         |
| 266   | Connector plug 3-pole         |                 |                           |              | 1      |         |
| 266   | Connector plug 3-pole         |                 |                           |              | 1      |         |
| 266   | Connector plug 3-pole         |                 |                           |              | 1      |         |
| -     | Kit, control box              |                 |                           | 98947439     | 1      |         |
| 178   | Pan head thread forming screw |                 |                           |              | 4      |         |
| 251d  | Pan head thread forming screw |                 |                           |              | 4      |         |
| 251a  | Control box                   |                 |                           |              | 1      |         |
| 252b  | Plug cpl.                     |                 |                           |              | 4      |         |
| 268a  | Base                          |                 |                           |              | 1      |         |
| 268   | Pan head screw                |                 |                           |              | 1      |         |
| 273b  | Battery                       |                 |                           |              | 1      |         |
| 273a  | Cross recess Pan head screw   |                 |                           |              | 5      |         |
| 273   | Funct. Module cpl.            |                 |                           |              | 1      |         |
| 275a  | Pin                           |                 |                           |              | 1      |         |
| 277a  | Cross recess Pan head screw   |                 |                           |              | 1      |         |
| 277a  | Cross recess Pan head screw   |                 |                           |              | 1      |         |
| 277   | Isolation cover               |                 |                           |              | 1      |         |
| 286   | Spacer                        |                 |                           |              | 1      |         |
| 287   | Cover                         |                 |                           |              | 1      |         |
| 288b  | Retaining ring                |                 |                           |              | 6      |         |
| 288a  | Pan head thread forming screw |                 |                           |              | 6      |         |
| 289a  | Pan head thread forming screw |                 |                           |              | 1      |         |
| 289   | Wire clamp                    |                 |                           |              | 1      |         |
| 289   | Wire clamp                    |                 |                           |              | 3      |         |
| 290   | Control panel, cpl.           |                 |                           |              | 1      |         |
| -     | Kit, Control box upper        |                 |                           | 98334769     | 1      |         |
| 251d  | Pan head thread forming screw |                 |                           |              | 4      |         |
| 251b  | Control box                   |                 |                           |              | 1      |         |

| Pos  | Omschrijving                  | Opmerking tekst | Classificatie Gegevens      | Onderdeelnr. | Aantal | Eenheid |
|------|-------------------------------|-----------------|-----------------------------|--------------|--------|---------|
| -    | Kit, Control panel            |                 |                             | 98939971     | 1      |         |
| 290  | Control panel, cpl.           |                 |                             |              | 1      |         |
| -    | Kit, cover                    |                 |                             | 98330622     | 1      |         |
| 287  | Cover                         |                 |                             |              | 1      |         |
| -    | Kit, fan                      |                 |                             | 98290123     | 1      |         |
| 152  | Pan head thread forming screw |                 |                             |              | 4      |         |
| 156c | Seal ring                     |                 |                             |              | 1      |         |
| 156  | Fan                           |                 |                             |              | 1      |         |
| -    | Kit, flange (DE)              |                 |                             | 98330548     | 1      |         |
| 156d | Gasket                        |                 | Internal diameter: 114,80   |              | 1      |         |
|      |                               |                 | Outer diameter: 121,20      |              |        |         |
|      |                               |                 | Thickness: 0,25             |              |        |         |
| 156b | Flange                        |                 |                             |              | 1      |         |
| 185  | Cross recess Pan head screw   |                 |                             |              | 4      |         |
| 186  | Drain plug                    |                 |                             |              | 1      |         |
| 188  | Retaining ring                |                 |                             |              | 1      |         |
| -    | Kit, Funct. module            |                 |                             | 98334777     | 1      |         |
| 273a | Cross recess Pan head screw   |                 |                             |              | 5      |         |
| 273  | Funct. Module cpl.            |                 |                             |              | 1      |         |
| 275a | Pin                           |                 |                             |              | 1      |         |
| 286  | Spacer                        |                 |                             |              | 1      |         |
| -    | Kit, Isolation cover          |                 |                             | 98330625     | 1      |         |
| 277a | Cross recess Pan head screw   |                 |                             |              | 1      |         |
| 277  | Isolation cover               |                 |                             |              | 1      |         |
| -    | Kit, Lower part cpl.          |                 |                             | 98330618     | 1      |         |
| 178  | Pan head thread forming screw |                 |                             |              | 4      |         |
| 251a | Control box                   |                 |                             |              | 1      |         |
| 275a | Pin                           |                 |                             |              | 1      |         |
| 277a | Cross recess Pan head screw   |                 |                             |              | 1      |         |
| 277  | Isolation cover               |                 |                             |              | 1      |         |
| -    | Kit, motor                    |                 |                             | 98293875     | 1      |         |
|      | Terminal                      |                 |                             |              | 3      |         |
| 99a  | Retaining ring                |                 |                             |              | 1      |         |
| 99   | Retaining ring                |                 |                             |              | 1      |         |
| 111  | Ball bearing                  |                 | Designation: 6204.2Z.C3.SYN |              | 1      |         |
| 150  | Stator                        |                 |                             |              | 1      |         |
| 150  | Stator housing                |                 |                             |              | 1      |         |
| 151  | Fan cover                     |                 |                             |              | 1      |         |
| 152  | Pan head thread forming screw |                 |                             |              | 4      |         |
| 154  | Ball bearing                  |                 |                             |              | 1      |         |
| 156d | Gasket                        |                 | Internal diameter: 114,80   |              | 1      |         |
|      |                               |                 | Outer diameter: 121,20      |              |        |         |
|      |                               |                 | Thickness: 0,25             |              |        |         |
| 156c | Seal ring                     |                 |                             |              | 1      |         |
| 156c | Seal ring                     |                 |                             |              | 1      |         |
| 156b | Flange                        |                 |                             |              | 1      |         |
| 156  | Fan                           |                 |                             |              | 1      |         |
| 157  | O-ring                        |                 | Diameter: 47                |              | 1      |         |
|      |                               |                 | Material type: NBR          |              |        |         |
|      |                               |                 | Thickness: 3                |              |        |         |
| 158  | Waved washer                  |                 |                             |              | 1      |         |
| 171  | Parallel key                  |                 | Dimension: 8X7X40           |              | 1      |         |
| 172  | Shaft w/rotor                 |                 |                             |              | 1      |         |

| Pos  | Omschrijving                  | Opmerking tekst | Classificatie Gegevens      | Onderdeelnr. | Aantal | Eenheid |
|------|-------------------------------|-----------------|-----------------------------|--------------|--------|---------|
| 178  | Pan head thread forming screw |                 |                             |              | 4      |         |
| 185  | Cross recess Pan head screw   |                 |                             |              | 4      |         |
| 186  | Drain plug                    |                 |                             |              | 1      |         |
| 203  | Terminal plug                 |                 |                             |              | 1      |         |
| 289a | Pan head thread forming screw |                 |                             |              | 1      |         |
| -    | Kit, plug                     |                 |                             | 99369622     | 1      |         |
|      | Terminal                      |                 |                             |              | 3      |         |
| 203  | Terminal plug                 |                 |                             |              | 1      |         |
| 205  | Pan head thread forming screw |                 |                             |              | 1      |         |
| -    | Kit, screws                   |                 |                             | 98330627     | 1      |         |
| 268a | Base                          |                 |                             |              | 1      |         |
| 268  | Pan head screw                |                 |                             |              | 1      |         |
| 288b | Retaining ring                |                 |                             |              | 6      |         |
| 288a | Pan head thread forming screw |                 |                             |              | 6      |         |
| 288  | Wire clamp                    |                 |                             |              | 3      |         |
| 289a | Pan head thread forming screw |                 |                             |              | 1      |         |
| 289  | Wire clamp                    |                 |                             |              | 1      |         |
|      | Pan head thread forming screw |                 |                             | 99598708     | 4      |         |
| 111  | Ball bearing                  |                 | Designation: 6204.2Z.C3.SYN | 97914979     | 1      |         |
| 152  | Pan head thread forming screw |                 |                             | 99834207     | 1      |         |
| 152  | Pan head thread forming screw |                 |                             | 99814578     | 1      |         |
| 156d | Gasket                        |                 | Internal diameter: 114,80   | 99406425     | 1      |         |
|      |                               |                 | Outer diameter: 121,20      |              |        |         |
|      |                               |                 | Thickness: 0,25             |              |        |         |
| 159a | Seal ring                     |                 |                             | 97689816     | 1      |         |
| 186  | Drain plug                    |                 |                             | 99980519     | 1      |         |
| 251d | Pan head thread forming screw |                 |                             | 98995460     | 4      |         |
| 266  | Connector plug 3-pole         |                 |                             | 99421265     | 1      |         |
| 49   | Impeller                      |                 |                             | 98928955     | 1      | pcs     |