

## Inventflow: Grundfos A-partner

### Grundfos NBE 50-125/138 S2AF2ABQQE

Find the pump here:

<https://inventflow.nl/en/pompenfilter/nbe/grundfos-nbe-50-125-138-s2af2abqqe>

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#### Datasheet

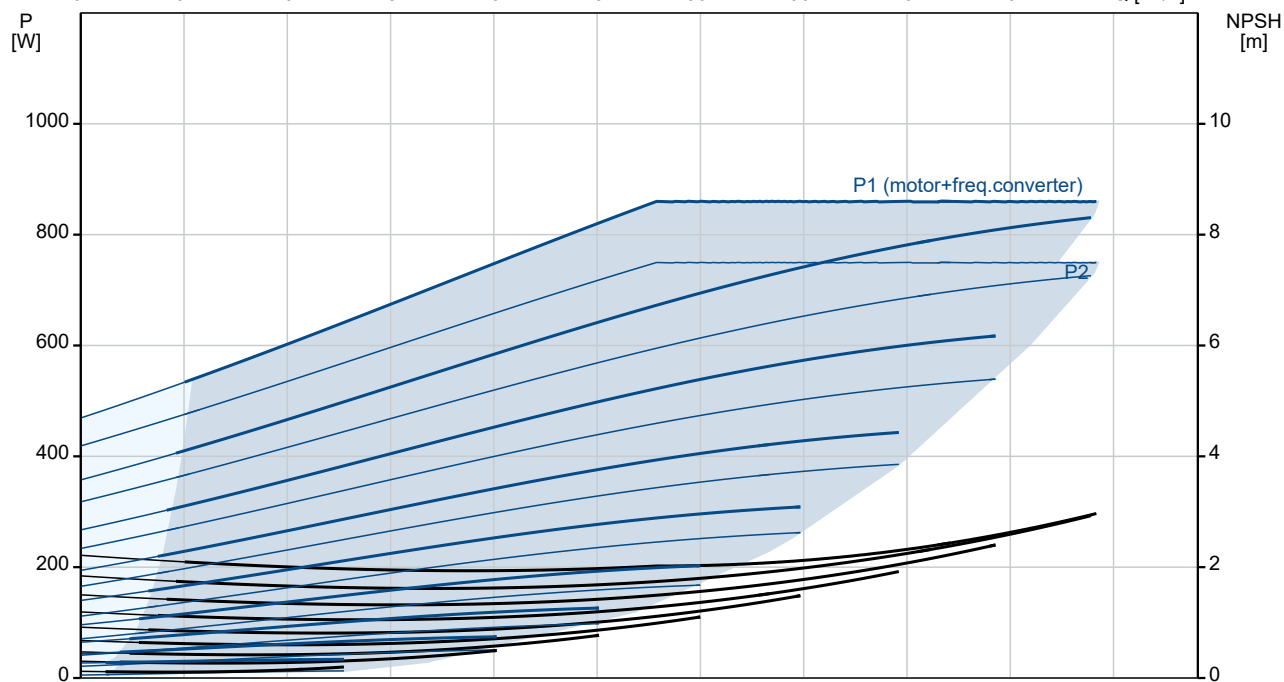
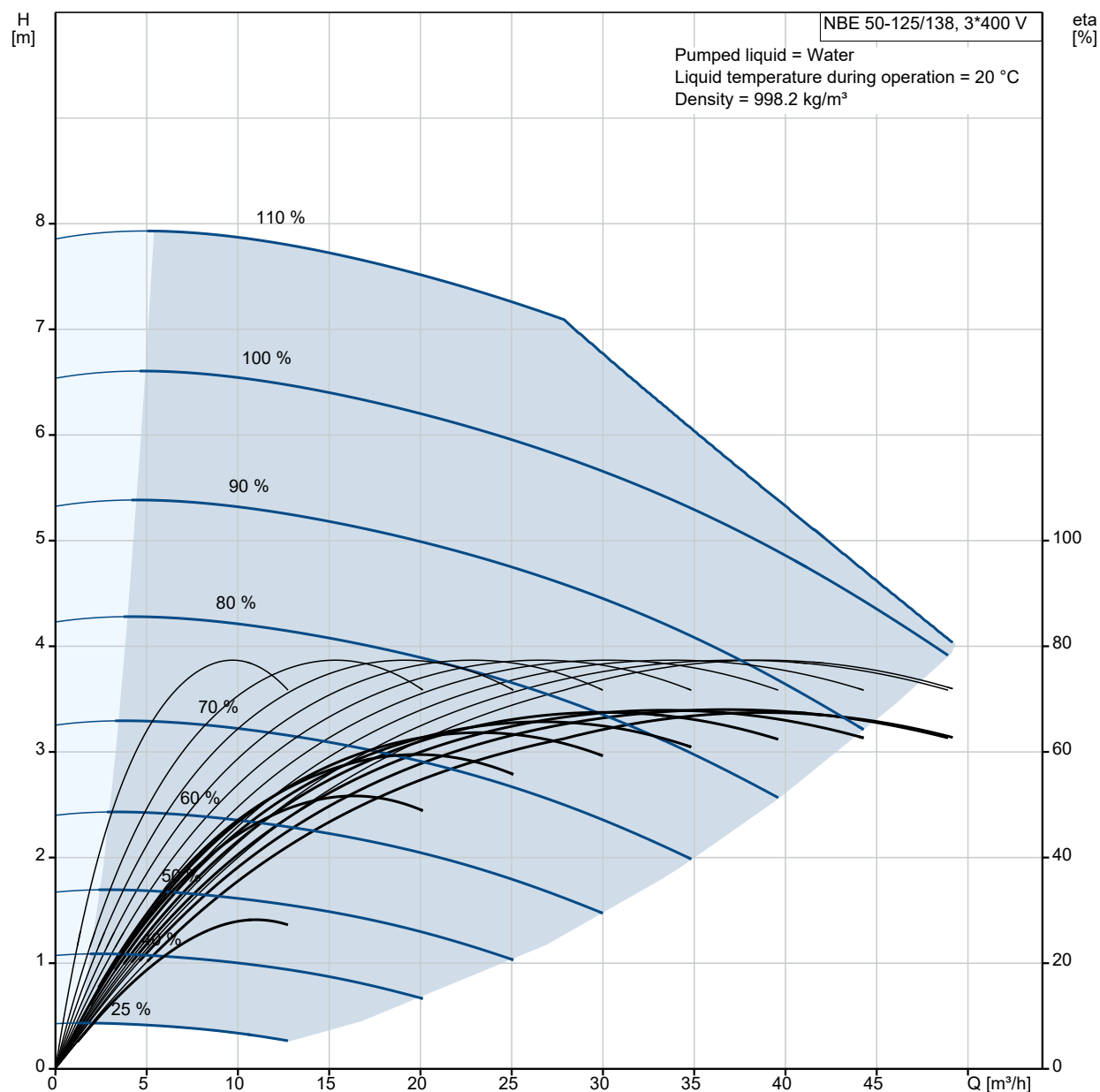


| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| 1    | <p data-bbox="197 159 555 185"><b>NBE 50-125/138 S2AF2ABQQE</b></p>  <p data-bbox="592 479 1062 501"><b>Note! Product picture may differ from actual product</b></p> <p data-bbox="197 510 464 533">Product No.: <a href="#">99534744</a></p> <p data-bbox="197 568 895 629">Non-self priming, single-stage centrifugal<br/>Flange standard: pump according to EN 1092-2.</p> <p data-bbox="197 658 683 775">The pump is for the pumping of thin, clean or slightly contaminated liquids without abrasive or long-fibred solids.</p> <p data-bbox="197 806 612 866">The impeller is hydraulically as well as dynamically balanced.</p> <p data-bbox="197 896 667 925">The pump has the following characteristics:</p> <ul data-bbox="236 927 751 1070" style="list-style-type: none"> <li>- flange dimensions according to EN 1092-2,</li> <li>Pump housing: - Cast iron volute pump housing,</li> <li>- stainless steel shaft</li> </ul> <p data-bbox="197 1075 804 1191">Impeller: and Cast iron impeller and bronze wear rings,<br/>- unbalanced mechanical shaft seal according to EN 12756.</p> <p data-bbox="197 1223 751 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="197 1431 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="197 1550 740 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="197 1697 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="197 1877 764 2083">The terminal box holds terminals for the connection of:</p> <ul data-bbox="236 1937 764 2083" 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> |

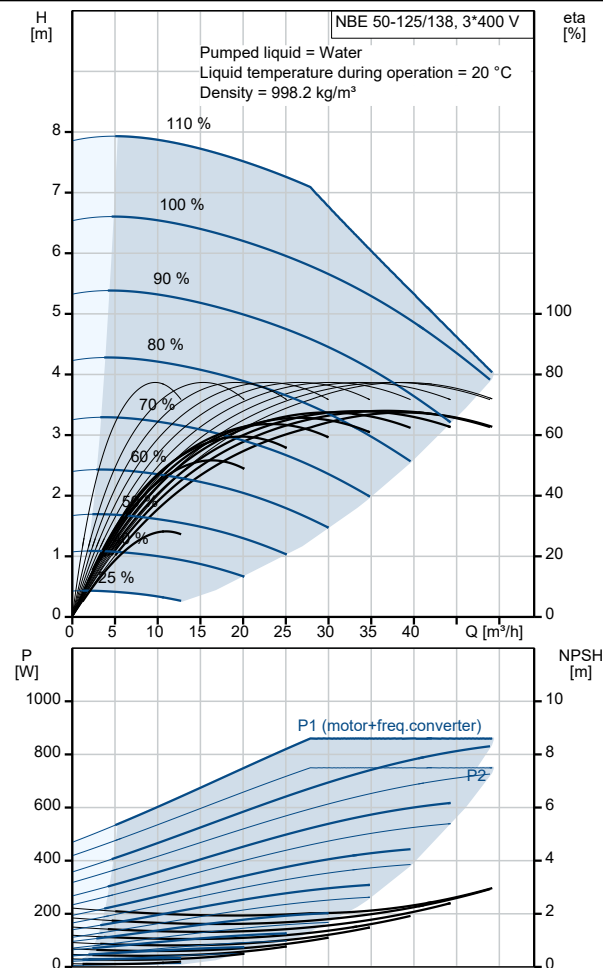
| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <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: Y</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: 37 m<sup>3</sup>/h</p> <p>Rated head: 5.1 m</p> <p>Actual impeller diameter: 138 mm</p> <p>Nominal impeller diameter: 125</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 65</p> <p>Size of outlet connection: DN 50</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>: 0.75 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 3 x 380-500 V</p> <p>Rated current: 1.70-1.50 A</p> <p>Cos phi - power factor: 0.83-0.71</p> <p>Rated speed: 180-2000 rpm</p> <p>Efficiency: 86.7%</p> <p>Motor efficiency at full load: 86.7 %</p> <p>Number of poles: 4</p> <p>Enclosure class (IEC 34-5): IP55</p> |

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                     |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | <div data-bbox="204 163 683 253"> Insulation class (IEC 85): F<br/> Motor No: 99305833<br/> Type of pressure sensor: Differential </div> <div data-bbox="204 286 673 488"> Others:<br/> Minimum efficiency index, MEI ≥: 0.64<br/> Net weight: 42 kg<br/> Gross weight: 59 kg<br/> Shipping volume: 0.315 m³<br/> Country of origin: HU<br/> Custom tariff no.: 84137051 </div> |

# 99534744 NBE 50-125/138 S2AF2ABQQE 50 Hz

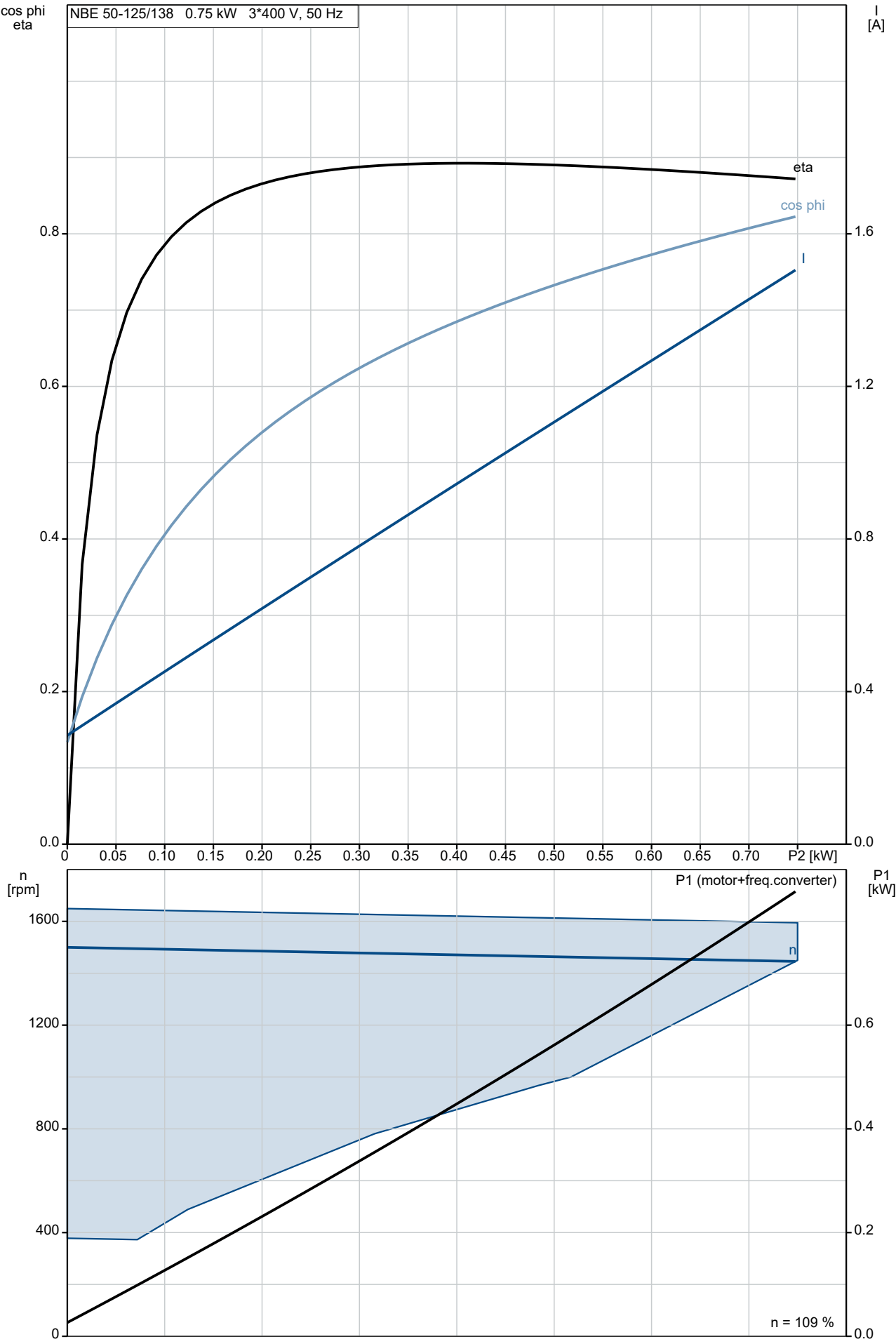


| Description                              | Value                        |
|------------------------------------------|------------------------------|
| <b>General information:</b>              |                              |
| Product name:                            | NBE 50-125/138<br>S2AF2ABQQE |
| Product No:                              | 99534744                     |
| EAN number:                              | 5713830670347                |
| <b>Technical:</b>                        |                              |
| Pump speed on which pump data are based: | 1450 rpm                     |
| Rated flow:                              | 37 m³/h                      |
| Rated head:                              | 5.1 m                        |
| Actual impeller diameter:                | 138 mm                       |
| Nominal impeller diameter:               | 125                          |
| 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 65                        |
| Size of outlet connection:               | DN 50                        |
| 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:                        | 0.75 kW                      |
| Mains frequency:                         | 50 Hz                        |
| Rated voltage:                           | 3 x 380-500 V                |
| Rated current:                           | 1.70-1.50 A                  |
| Cos phi - power factor:                  | 0.83-0.71                    |
| Rated speed:                             | 180-2000 rpm                 |
| Efficiency:                              | 86.7%                        |
| Motor efficiency at full load:           | 86.7 %                       |
| Number of poles:                         | 4                            |
| Enclosure class (IEC 34-5):              | IP55                         |
| Insulation class (IEC 85):               | F                            |
| Motor protec:                            | ELEC                         |
| Motor No:                                | 99305833                     |
| Mount. design. acc. IEC 34-7:            | IM V1/B5                     |

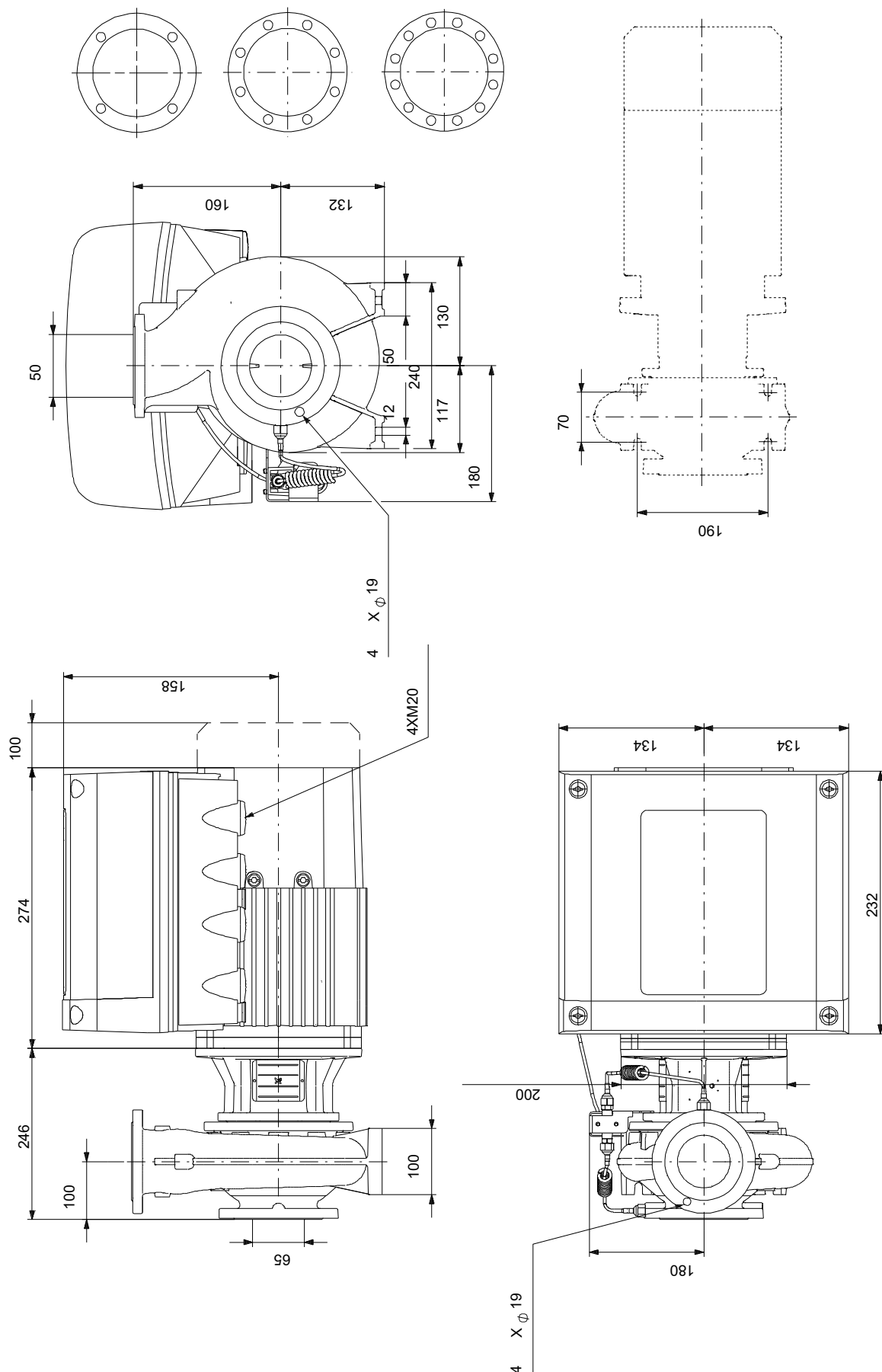


| Description                      | Value              |
|----------------------------------|--------------------|
| Type of pressure sensor:         | Differential       |
| <b>Controls:</b>                 |                    |
| Control panel:                   | HMI300 - Graphical |
| Function Module:                 | FM300 - Advanced   |
| Frequency converter:             | Built-in           |
| Pressure sensor:                 | Y                  |
| <b>Others:</b>                   |                    |
| Minimum efficiency index, MEI ≥: | 0.64               |
| Net weight:                      | 42 kg              |
| Gross weight:                    | 59 kg              |
| Shipping volume:                 | 0.315 m³           |
| Country of origin:               | HU                 |
| Custom tariff no.:               | 84137051           |

99534744 NBE 50-125/138 S2AF2ABQQE 50 Hz



# 99534744 NBE 50-125/138 S2AF2ABQQE 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 50-125/138, Product No. 99534744**  
**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, capillary tubes           |                 |                        | 99582282     | 1      | pcs     |
| 508 | Tube                           |                 |                        |              | 1      |         |
| 509 | Capillary tube.                |                 |                        |              | 1      |         |
| 510 | Mounting bush.                 |                 |                        |              | 2      |         |
| -   | Kit, coupling guard            |                 |                        | 96809944     | 1      | pcs     |
| 7   | Coupling guard                 |                 |                        |              | 2      |         |
| 77a | Pan head screw                 |                 |                        |              | 4      |         |
| -   | Kit, motor stool               |                 |                        | 98990896     | 1      | pcs     |
| 1a  | Motor stool                    |                 |                        |              | 1      |         |
| 7   | Coupling guard                 |                 |                        |              | 2      |         |
| 9   | Hex socket head cap screw      |                 | Designation: DIN 912   |              | 4      |         |
|     |                                |                 | Length (mm): 25        |              |        |         |
|     |                                |                 | Thread: M10            |              |        |         |
| 18  | Plug                           |                 |                        |              | 1      |         |
| 36  | Nut                            |                 | Thread: M10            |              | 6      |         |
| 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 no wear ring |                 |                        | 99563376     | 1      | pcs     |
| -   | 6                              | Pump housing    |                        |              | 1      |         |
| 6   | Pump housing                   |                 |                        |              | 1      |         |
| 26  | Staybolt                       |                 | Length (mm): 40        |              | 6      |         |
|     |                                |                 | Thread: M10            |              |        |         |
| 45  | Wear ring                      |                 |                        |              | 1      |         |
| 20  | Pipe plug                      |                 | Thread: R 3/8          |              | 2      |         |
| 66a | Nut                            |                 | Thread: M10            |              | 6      |         |
| -   | Kit, sensor                    |                 |                        | 99562724     | 1      | pcs     |
|     | Cable tie                      |                 |                        |              | 1      |         |
|     | Housing                        |                 |                        |              | 1      |         |
|     | Clip                           |                 |                        |              | 1      |         |
|     | Fitting                        |                 |                        |              | 2      |         |
| 501 | Sensor                         |                 |                        |              | 1      |         |
| 506 | Pan washer head screw          |                 |                        |              | 2      |         |
| 511 | Cable                          |                 |                        |              | 1      |         |
| -   | Kit, stub shaft                |                 |                        | 96039350     | 1      | pcs     |
| 9   | Socket set screw               |                 |                        |              | 2      |         |
| 11  | Parallel key                   |                 | Dimension: 6X6X35      |              | 1      |         |
| 51  | Stub shaft                     |                 |                        |              | 1      |         |
| 66a | Spring lock washer             |                 |                        |              | 1      |         |
| 66  | Washer                         |                 |                        |              | 1      |         |
| 67  | Nut                            |                 | Thread: M14            |              | 1      |         |
| -   | Spare, bracket                 |                 |                        | 99562727     | 1      | pcs     |
| 505 | Bracket                        |                 |                        |              | 1      |         |
| -   | Spare, O-ring                  |                 |                        | 97757659     | 1      | pcs     |
| 72a | O-ring                         |                 |                        |              | 1      |         |
| -   | Spare, plug vent               |                 |                        | 98164277     | 1      | pcs     |

| Pos    | Omschrijving                  | Opmerking tekst | Classificatie Gegevens      | Onderdeelnr. | Aantal | Eenheid |
|--------|-------------------------------|-----------------|-----------------------------|--------------|--------|---------|
| 18     | Plug                          |                 |                             |              | 1      |         |
| -      | Spare, shaft seal             |                 |                             | 98434904     | 1      | pcs     |
| 105    | Shaft seal                    |                 |                             |              | 1      |         |
| -      | Spare, wear ring              |                 |                             | 99208819     | 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.             |                 |                             | 98330603     | 1      |         |
| 111    | Ball bearing                  |                 | Designation: 6204.2Z.C3.SYN |              | 1      |         |
| 153    | Ball bearing                  |                 | Designation: 6204.2Z.C3.SYN |              | 1      |         |
| 156d   | Gasket                        |                 | Internal diameter: 114,80   |              | 1      |         |
|        |                               |                 | Outer diameter: 121,20      |              |        |         |
|        |                               |                 | Thickness: 0,25             |              |        |         |
| 156c   | Seal ring                     |                 |                             |              | 2      |         |
| 158a   | 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      |         |

| Pos  | Omschrijving                  | Opmerking tekst | Classificatie Gegevens      | Onderdeelnr. | Aantal | Eenheid |
|------|-------------------------------|-----------------|-----------------------------|--------------|--------|---------|
| 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      |         |
| -    | 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)              |                 |                             | 98290125     | 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      |         |
| -    | 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                    |                 |                             | 98293804     | 1      |         |
|      | Terminal                      |                 |                             |              | 3      |         |
| 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      |         |
| 153  | Ball bearing                  |                 | Designation: 6204.2Z.C3.SYN |              | 1      |         |
| 156d | Gasket                        |                 | Internal diameter: 114,80   |              | 1      |         |
|      |                               |                 | Outer diameter: 121,20      |              |        |         |

| Pos  | Omschrijving                  | Opmerking tekst | Classificatie Gegevens      | Onderdeelnr. | Aantal | Eenheid |
|------|-------------------------------|-----------------|-----------------------------|--------------|--------|---------|
|      |                               |                 | Thickness: 0,25             |              |        |         |
| 156c | Seal ring                     |                 |                             |              | 1      |         |
| 156c | Seal ring                     |                 |                             |              | 1      |         |
| 156b | Adapter flange                |                 |                             |              | 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                  |                 | Designation: DS96 DIN 6885  |              | 1      |         |
|      |                               |                 | Dimension: 6X6X32           |              |        |         |
| 172  | Shaft w/rotor                 |                 |                             |              | 1      |         |
| 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      |         |
| 1021 | Hex socket head cap screw     |                 | Designation: DIN 912        |              | 4      |         |
|      |                               |                 | Length (mm): 16             |              |        |         |
|      |                               |                 | Thread: M6                  |              |        |         |
| -    | 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             |              |        |         |
| 186  | Drain plug                    |                 |                             | 99980519     | 1      |         |
| 251d | Pan head thread forming screw |                 |                             | 98995460     | 4      |         |
| 266  | Connector plug 3-pole         |                 |                             | 99421265     | 1      |         |
| 49   | Impeller                      |                 |                             | 98808697     | 1      | pcs     |