

## SP9-16NE Rp2 4"3X380-415/50 3.0kW

Grundfos pump 98730834



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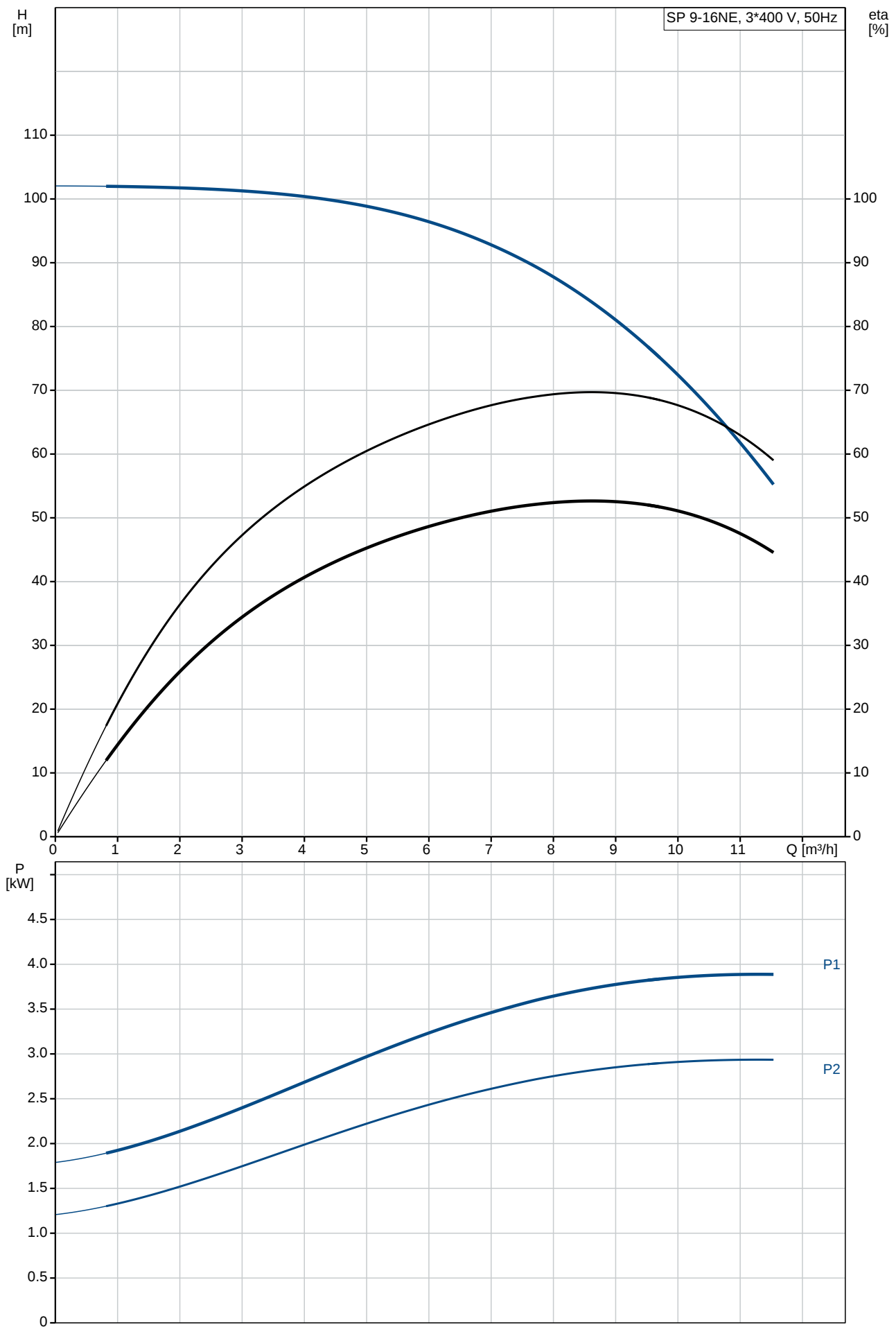
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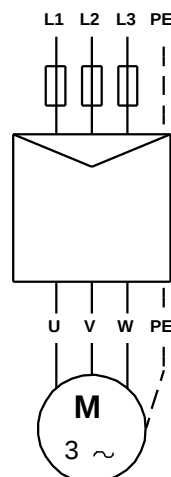
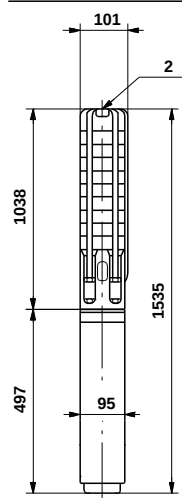
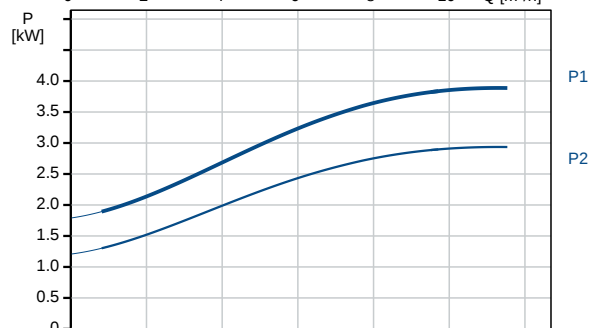
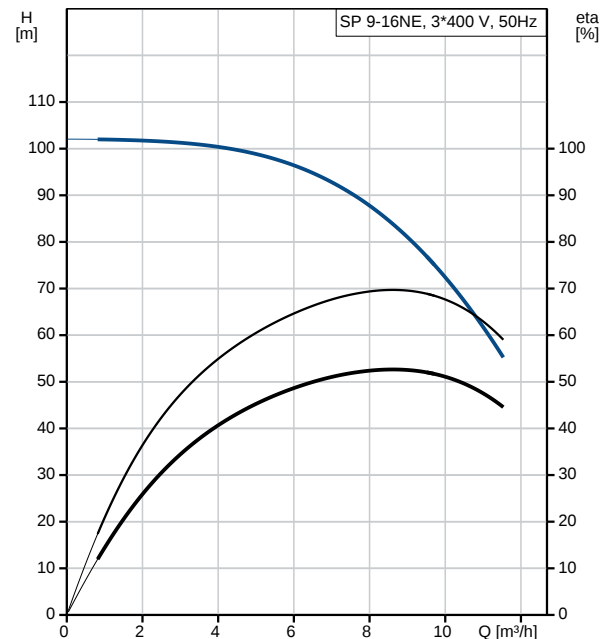
| Position                             | Qty.                                                                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
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|                                      | 1                                                                   | <div><div></div><div><p><b>Note! Product picture may differ from actual product</b></p><p>Product No.: On request</p><p>Multi-stage submersible pump for raw water supply, groundwater lowering and pressure boosting. The pump is suitable for pumping clean, thin, non-aggressive liquids without solid particles or fibres.</p><p>The pump is made entirely of Stainless steel DIN W.-Nr. EN 1.4401.</p><p>The motor is a 3-phase motor with sand shield, liquid-lubricated bearings and pressure equalizing diaphragm.</p><p><b>Liquid:</b></p><table><tr><td>Pumped liquid:</td><td>Water</td></tr><tr><td>Maximum liquid temperature:</td><td>90 °C</td></tr><tr><td>Max liquid t at 0.15 m/sec:</td><td>40 °C</td></tr><tr><td>Liquid temperature during operation:</td><td>20 °C</td></tr><tr><td>Density:</td><td>998.2 kg/m³</td></tr></table><p><b>Technical:</b></p><table><tr><td>Rated flow:</td><td>9 m³/h</td></tr><tr><td>Rated head:</td><td>84.1 m</td></tr><tr><td>Shaft seal for motor:</td><td>SIC/SIC</td></tr><tr><td>Curve tolerance:</td><td>ISO9906:2012 3B</td></tr></table><p><b>Materials:</b></p><table><tr><td>Pump:</td><td>Stainless steel<br/>EN 1.4401</td></tr><tr><td>Pump housing:</td><td>ASTM AISI 316</td></tr><tr><td>Impeller:</td><td>Stainless steel<br/>EN 1.4401</td></tr><tr><td>Motor:</td><td>ASTM AISI 316<br/>Stainless steel<br/>DIN W.-Nr. 1.4539<br/>AISI 904 L</td></tr></table><p><b>Installation:</b></p><table><tr><td>Pump outlet:</td><td>Rp</td></tr><tr><td>Motor diameter:</td><td>4 inch</td></tr></table><p><b>Electrical data:</b></p><table><tr><td>Motor type:</td><td>MS4000</td></tr><tr><td>Rated power - P2:</td><td>3 kW</td></tr><tr><td>Mains frequency:</td><td>50 Hz</td></tr><tr><td>Rated voltage:</td><td>3 x 380-400-415 V</td></tr><tr><td>Rated current:</td><td>7.70-7.85-8.10 A</td></tr><tr><td>Starting current:</td><td>460-490-500 %</td></tr><tr><td>Cos phi - power factor:</td><td>0.82-0.77-0.73</td></tr><tr><td>Rated speed:</td><td>2850-2865-2875 rpm</td></tr><tr><td>Start. method:</td><td>direct-on-line</td></tr><tr><td>Enclosure class (IEC 34-5):</td><td>IP68</td></tr><tr><td>Insulation class (IEC 85):</td><td>F</td></tr><tr><td>Built-in temp. transmitter:</td><td>no</td></tr></table></div></div> | Pumped liquid: | Water | Maximum liquid temperature: | 90 °C | Max liquid t at 0.15 m/sec: | 40 °C | Liquid temperature during operation: | 20 °C | Density: | 998.2 kg/m³ | Rated flow: | 9 m³/h | Rated head: | 84.1 m | Shaft seal for motor: | SIC/SIC | Curve tolerance: | ISO9906:2012 3B | Pump: | Stainless steel<br>EN 1.4401 | Pump housing: | ASTM AISI 316 | Impeller: | Stainless steel<br>EN 1.4401 | Motor: | ASTM AISI 316<br>Stainless steel<br>DIN W.-Nr. 1.4539<br>AISI 904 L | Pump outlet: | Rp | Motor diameter: | 4 inch | Motor type: | MS4000 | Rated power - P2: | 3 kW | Mains frequency: | 50 Hz | Rated voltage: | 3 x 380-400-415 V | Rated current: | 7.70-7.85-8.10 A | Starting current: | 460-490-500 % | Cos phi - power factor: | 0.82-0.77-0.73 | Rated speed: | 2850-2865-2875 rpm | Start. method: | direct-on-line | Enclosure class (IEC 34-5): | IP68 | Insulation class (IEC 85): | F | Built-in temp. transmitter: | no |
| Pumped liquid:                       | Water                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Maximum liquid temperature:          | 90 °C                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Max liquid t at 0.15 m/sec:          | 40 °C                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Liquid temperature during operation: | 20 °C                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Density:                             | 998.2 kg/m³                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Rated flow:                          | 9 m³/h                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Rated head:                          | 84.1 m                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Shaft seal for motor:                | SIC/SIC                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Curve tolerance:                     | ISO9906:2012 3B                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Pump:                                | Stainless steel<br>EN 1.4401                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Pump housing:                        | ASTM AISI 316                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Impeller:                            | Stainless steel<br>EN 1.4401                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Motor:                               | ASTM AISI 316<br>Stainless steel<br>DIN W.-Nr. 1.4539<br>AISI 904 L |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Pump outlet:                         | Rp                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Motor diameter:                      | 4 inch                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Motor type:                          | MS4000                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Rated power - P2:                    | 3 kW                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Mains frequency:                     | 50 Hz                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Rated voltage:                       | 3 x 380-400-415 V                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Rated current:                       | 7.70-7.85-8.10 A                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Starting current:                    | 460-490-500 %                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Cos phi - power factor:              | 0.82-0.77-0.73                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Rated speed:                         | 2850-2865-2875 rpm                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Start. method:                       | direct-on-line                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Enclosure class (IEC 34-5):          | IP68                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Insulation class (IEC 85):           | F                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |
| Built-in temp. transmitter:          | no                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |       |                             |       |                             |       |                                      |       |          |             |             |        |             |        |                       |         |                  |                 |       |                              |               |               |           |                              |        |                                                                     |              |    |                 |        |             |        |                   |      |                  |       |                |                   |                |                  |                   |               |                         |                |              |                    |                |                |                             |      |                            |   |                             |    |

| Position | Qty. | Description                                                                                                                                                                                                                        |
|----------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |      | <p>Windings: Enamelled</p> <p><b>Others:</b></p> <p>Minimum efficiency index, MEI ≥: 0.70</p> <p>Net weight: 29.6 kg</p> <p>Gross weight: 31.7 kg</p> <p>Shipping volume: 0.021 m<sup>3</sup></p> <p>Danish VVS No.: 388461313</p> |

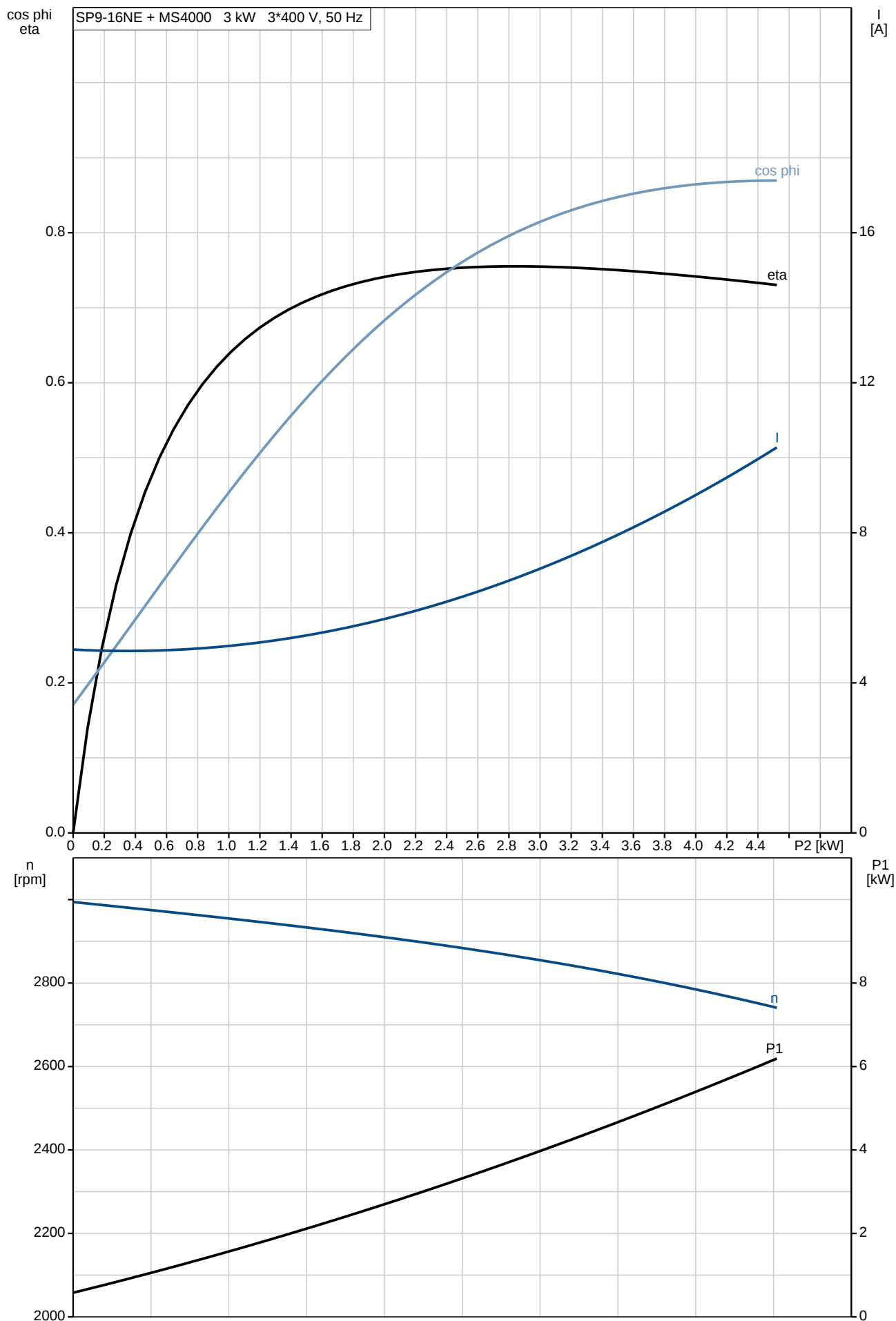
# On request SP 9-16NE 50 Hz



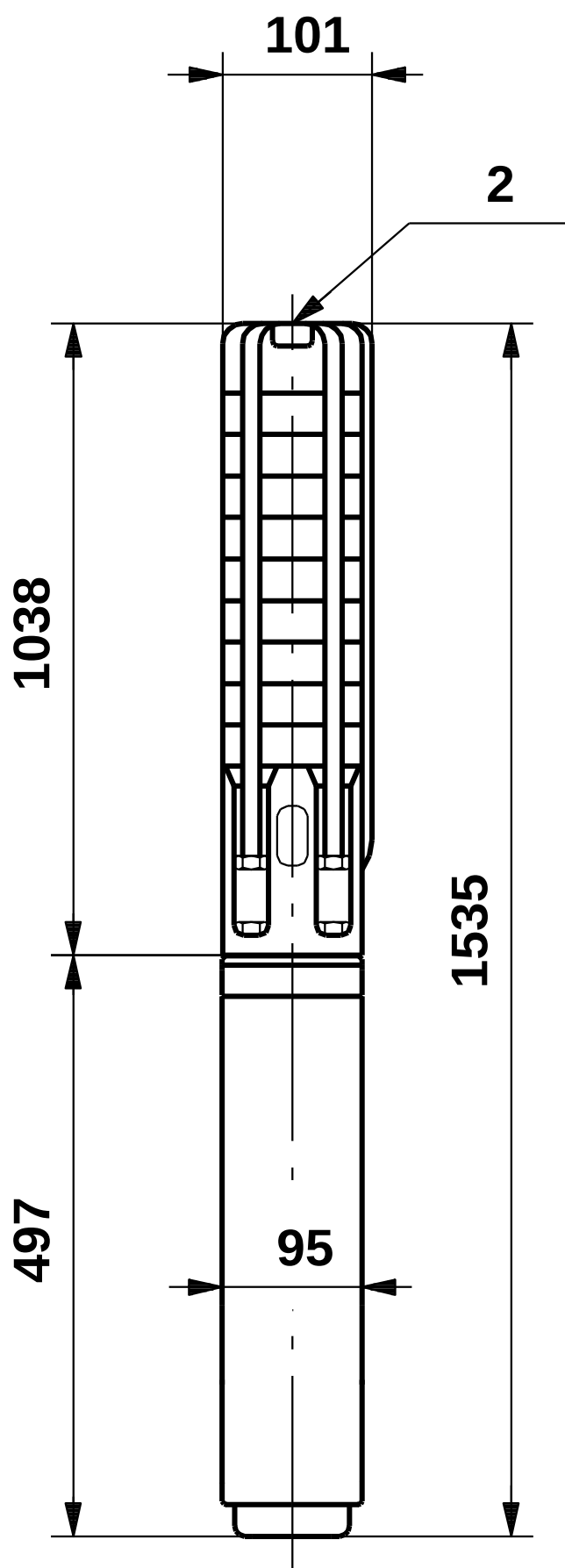
| Description                          | Value                                              |
|--------------------------------------|----------------------------------------------------|
| <b>General information:</b>          |                                                    |
| Product name:                        | SP 9-16NE                                          |
| Product No:                          | On request                                         |
| EAN number:                          | On request                                         |
| <b>Technical:</b>                    |                                                    |
| Rated flow:                          | 9 m <sup>3</sup> /h                                |
| Rated head:                          | 84.1 m                                             |
| Stages:                              | 16                                                 |
| Impeller reduc.:                     | NONE                                               |
| Shaft seal for motor:                | SIC/SIC                                            |
| Curve tolerance:                     | ISO9906:2012 3B                                    |
| Model:                               | A                                                  |
| <b>Materials:</b>                    |                                                    |
| Pump:                                | Stainless steel<br>EN 1.4401                       |
| Pump housing:                        | ASTM AISI 316                                      |
| Impeller:                            | Stainless steel<br>EN 1.4401<br>ASTM AISI 316      |
| Motor:                               | Stainless steel<br>DIN W.-Nr. 1.4539<br>AISI 904 L |
| <b>Installation:</b>                 |                                                    |
| Pump outlet:                         | Rp                                                 |
| Motor diameter:                      | 4 inch                                             |
| <b>Liquid:</b>                       |                                                    |
| Pumped liquid:                       | Water                                              |
| Maximum liquid temperature:          | 90 °C                                              |
| Max liquid t at 0.15 m/sec:          | 40 °C                                              |
| Liquid temperature during operation: | 20 °C                                              |
| Density:                             | 998.2 kg/m <sup>3</sup>                            |
| <b>Electrical data:</b>              |                                                    |
| Motor type:                          | MS4000                                             |
| Rated power - P2:                    | 3 kW                                               |
| Mains frequency:                     | 50 Hz                                              |
| Rated voltage:                       | 3 x 380-400-415 V                                  |
| Rated current:                       | 7.70-7.85-8.10 A                                   |
| Starting current:                    | 460-490-500 %                                      |
| Cos phi - power factor:              | 0.82-0.77-0.73                                     |
| Rated speed:                         | 2850-2865-2875 rpm                                 |
| Start. method:                       | direct-on-line                                     |
| Enclosure class (IEC 34-5):          | IP68                                               |
| Insulation class (IEC 85):           | F                                                  |
| Motor protec:                        | NONE                                               |
| Thermal protec:                      | external                                           |
| Built-in temp. transmitter:          | no                                                 |
| Motor No:                            | 79194408                                           |
| Windings:                            | Enamelled                                          |
| <b>Others:</b>                       |                                                    |
| Minimum efficiency index, MEI ≥:     | 0.70                                               |
| Net weight:                          | 29.6 kg                                            |
| Gross weight:                        | 31.7 kg                                            |
| Shipping volume:                     | 0.021 m <sup>3</sup>                               |
| Danish VVS No.:                      | 388461313                                          |



# On request SP 9-16NE 50 Hz



On request SP 9-16NE 50 Hz



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

# Exploded view



Sectional drawing (TM058200 for TPE2,TPE3)



TM058200

# Exploded view ( TM057026 for MGE model H/I )



*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.*

*All information is copyright Grundfos.*



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