

## Inventflow: Grundfos A-partner

### Grundfos TP 65-120/2 A-F-A-BQQE-GX1

Find the pump here:

<https://inventflow.nl/en/pompenfilter/tp/grundfos-tp-65-120-2-a-f-a-bqqe-gx1>

#### Contact

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

+31 (0) 546 45 80 72

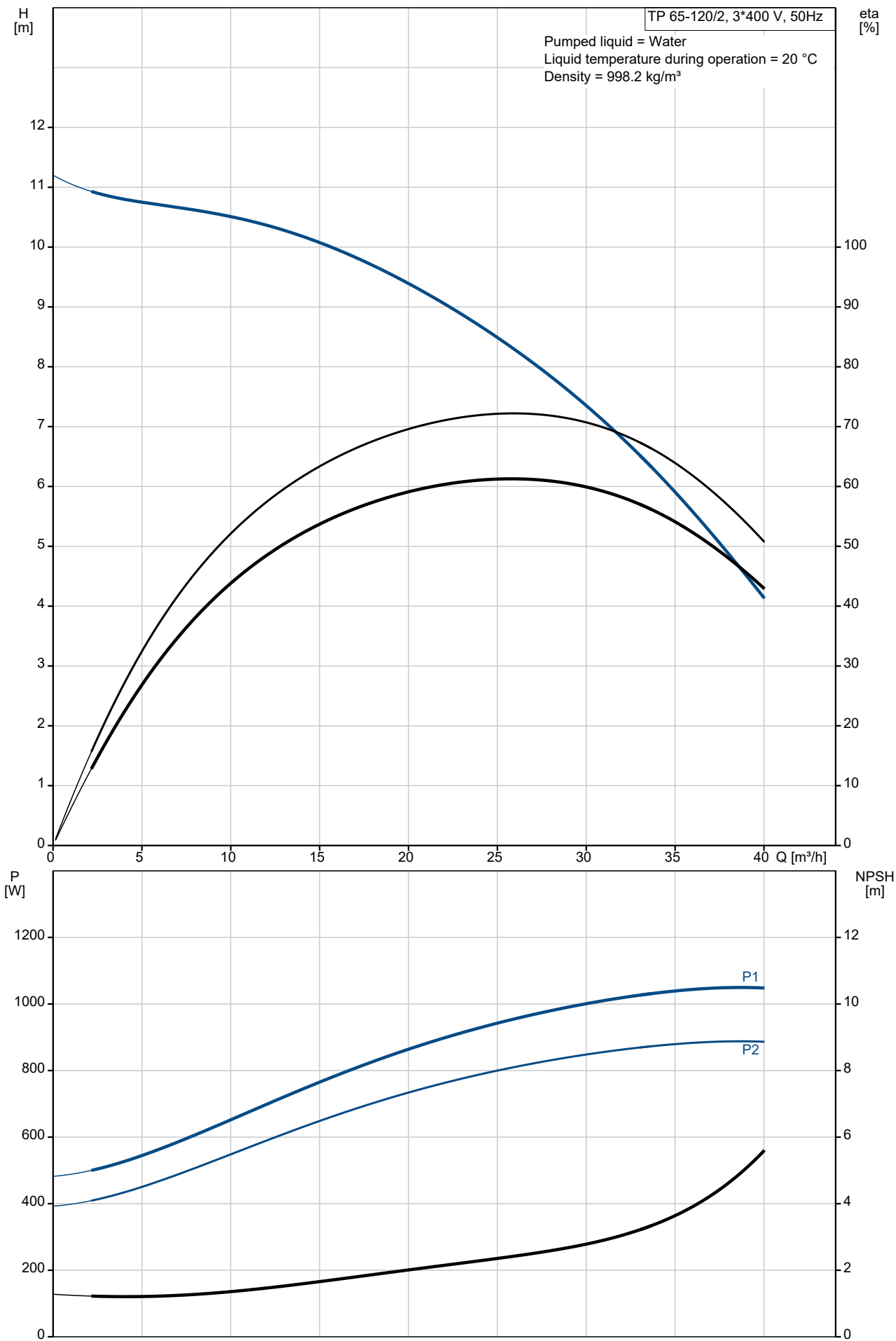
#### Datasheet



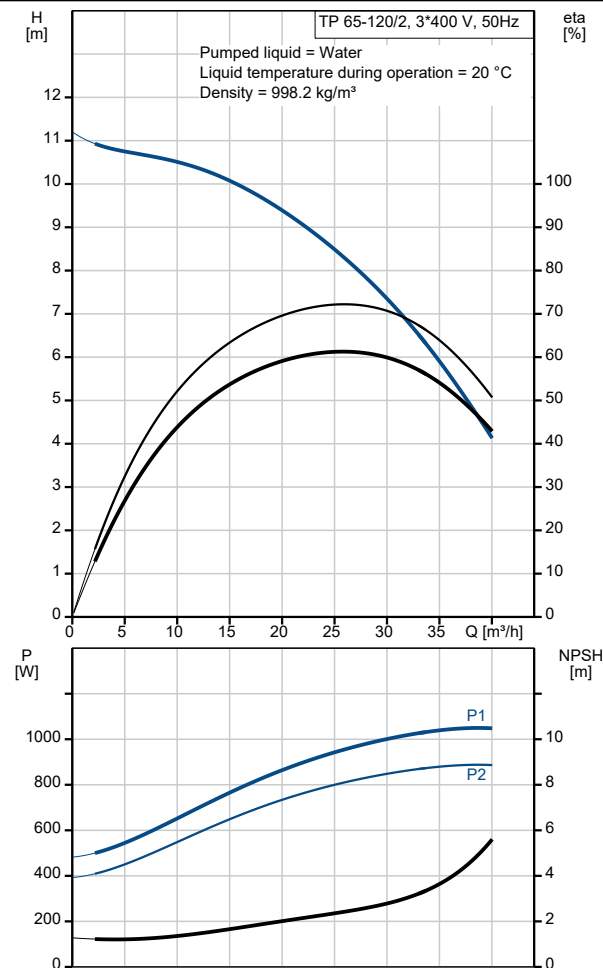
| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | <p><b>TP 65-120/2 A-F-A-BQQE-GX1</b></p>  <p>Note! Product picture may differ from actual product</p> <p>Product No.: <a href="#">98585759</a></p> <p>Single-stage centrifugal volute in-line single-head pump:</p> <ul style="list-style-type: none"> <li>- neck rings and impeller made of stainless steel</li> <li>- cataphoresis treatment</li> <li>- shell coupling</li> <li>- top-pull-out principle for easy maintenance</li> <li>- optimized hydraulics</li> <li>- in-line design with opposite suction and discharge ports enabling mounting in pipework or on a concrete foundation</li> <li>- corrosion resistant maintenance-free mechanical shaft seal.</li> </ul> <p>Phase: The motor is a 3-phase AC motor.</p> <p>Controls:</p> <p>Frequency converter: NONE</p> <p>Liquid:</p> <p>Pumped liquid: Water</p> <p>Liquid temperature range: -25 .. 120 °C</p> <p>Selected liquid temperature: 20 °C</p> <p>Density: 998.2 kg/m³</p> <p>Technical:</p> <p>Pump speed on which pump data are based: 2880 rpm</p> <p>Rated flow: 25.7 m³/h</p> <p>Rated head: 8.3 m</p> <p>Actual impeller diameter: 91 mm</p> <p>Code for shaft seal: BQQE</p> <p>Curve tolerance: ISO9906:2012 3B2</p> <p>Materials:</p> <p>Pump housing: Cast iron<br/>EN-GJL-250<br/>ASTM class 35</p> <p>Impeller: Stainless steel<br/>EN 1.4301<br/>AISI 304</p> <p>Installation:</p> <p>Range of ambient temperature: -30 .. 60 °C</p> <p>Maximum operating pressure: 10 bar</p> <p>Max pressure at stated temp: 10 bar / 120 °C</p> <p>Type of connection: DIN</p> <p>Size of connection: DN 65</p> |

| Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | Pressure rating for connection: PN 6/10<br>Port-to-port length: 340 mm<br>Flange size for motor: FT100<br><br>Electrical data:<br>Motor type: 80C<br>IE Efficiency class: IE3<br>Rated power - P2: 1.1 kW<br>Mains frequency: 50 Hz<br>Rated voltage: 3 x 220-240D/380-415Y V<br>Rated current: 4.35/2.50 A<br>Starting current: 450-500 %<br>Cos phi - power factor: 0.83-0.76<br>Rated speed: 2840-2870 rpm<br>Efficiency: IE3 82,7%<br>Motor efficiency at full load: 82.7 %<br>Motor efficiency at 3/4 load: 84.6 %<br>Motor efficiency at 1/2 load: 85.4 %<br>Number of poles: 2<br>Enclosure class (IEC 34-5): 55 Dust/Jetting<br>Insulation class (IEC 85): F<br>Motor No: 85U05105<br><br>Others:<br>Minimum efficiency index, MEI ≥: 0.70<br>Net weight: 32.6 kg<br>Gross weight: 36.1 kg<br>Shipping volume: 0.08 m³<br>Danish VVS No.: 38 1814.120<br>Finnish LVI No.: 4616072<br>Norwegian NRF no.: 9043574<br>Country of origin: HU<br>Custom tariff no.: 84137051 |

98585759 TP 65-120/2 A-F-A-BQQE-GX1 50 Hz

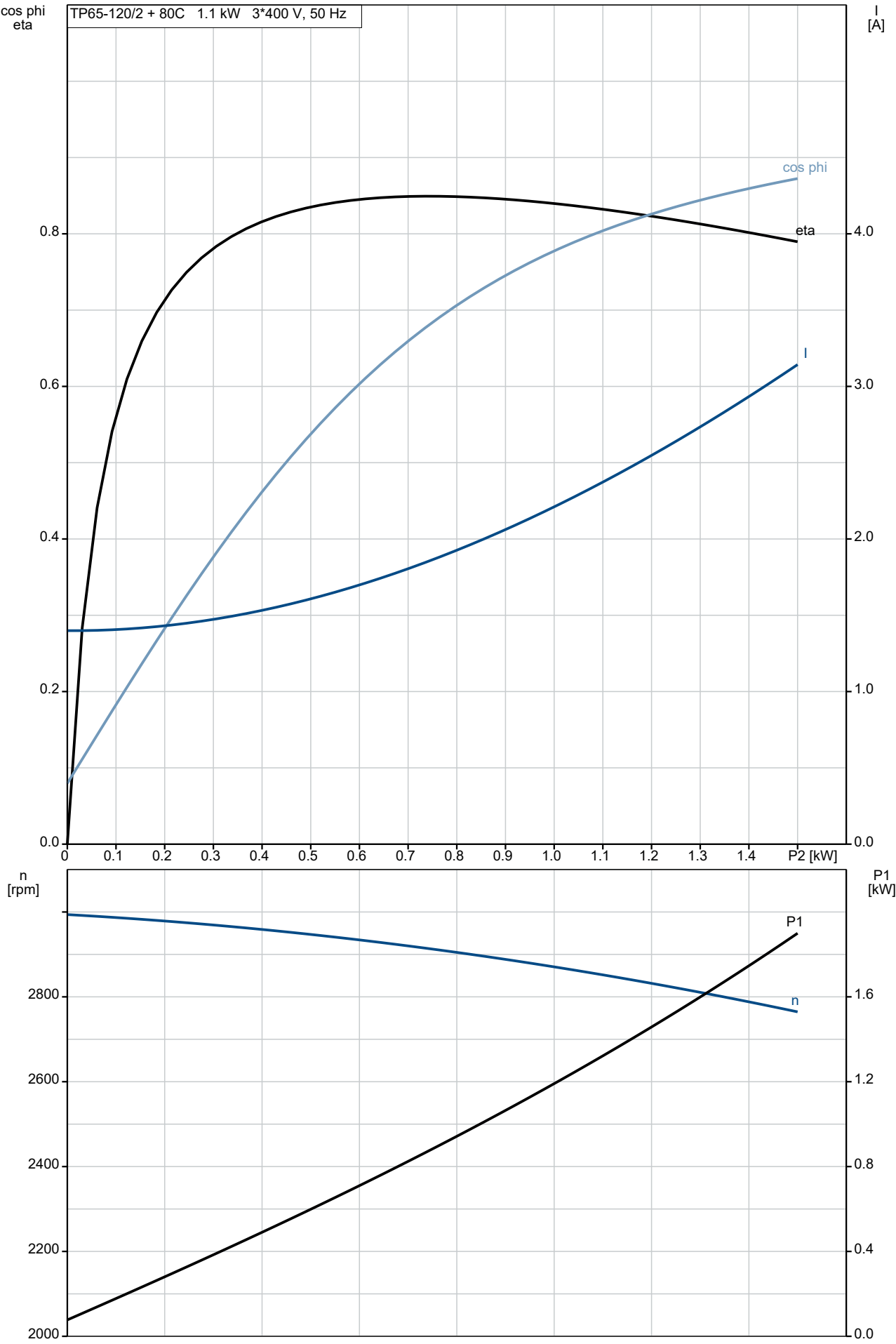


| Description                              | Value                         |
|------------------------------------------|-------------------------------|
| <b>General information:</b>              |                               |
| Product name:                            | TP 65-120/2<br>A-F-A-BQQE-GX1 |
| Product No:                              | 98585759                      |
| EAN number:                              | 5711497681317                 |
| <b>Technical:</b>                        |                               |
| Pump speed on which pump data are based: | 2880 rpm                      |
| Rated flow:                              | 25.7 m³/h                     |
| Rated head:                              | 8.3 m                         |
| Maximum head:                            | 120 dm                        |
| Actual impeller diameter:                | 91 mm                         |
| Code for shaft seal:                     | BQQE                          |
| Curve tolerance:                         | ISO9906:2012 3B2              |
| Pump version:                            | A                             |
| <b>Materials:</b>                        |                               |
| Pump housing:                            | Cast iron                     |
| Pump housing:                            | EN-GJL-250                    |
| Pump housing:                            | ASTM class 35                 |
| Impeller:                                | Stainless steel               |
| Impeller:                                | EN 1.4301                     |
| Impeller:                                | AISI 304                      |
| Material code:                           | A                             |
| <b>Installation:</b>                     |                               |
| Range of ambient temperature:            | -30 .. 60 °C                  |
| Maximum operating pressure:              | 10 bar                        |
| Max pressure at stated temp:             | 10 bar / 120 °C               |
| Type of connection:                      | DIN                           |
| Size of connection:                      | DN 65                         |
| Pressure rating for connection:          | PN 6/10                       |
| Port-to-port length:                     | 340 mm                        |
| Flange size for motor:                   | FT100                         |
| Connect code:                            | F                             |
| <b>Liquid:</b>                           |                               |
| Pumped liquid:                           | Water                         |
| Liquid temperature range:                | -25 .. 120 °C                 |
| Selected liquid temperature:             | 20 °C                         |
| Density:                                 | 998.2 kg/m³                   |
| <b>Electrical data:</b>                  |                               |
| Motor type:                              | 80C                           |
| IE Efficiency class:                     | IE3                           |
| Rated power - P2:                        | 1.1 kW                        |
| Mains frequency:                         | 50 Hz                         |
| Rated voltage:                           | 3 x 220-240D/380-415Y V       |
| Rated current:                           | 4.35/2.50 A                   |
| Starting current:                        | 450-500 %                     |
| Cos phi - power factor:                  | 0.83-0.76                     |
| Rated speed:                             | 2840-2870 rpm                 |
| Efficiency:                              | IE3 82,7%                     |
| Motor efficiency at full load:           | 82.7 %                        |
| Motor efficiency at 3/4 load:            | 84.6 %                        |
| Motor efficiency at 1/2 load:            | 85.4 %                        |
| Number of poles:                         | 2                             |
| Enclosure class (IEC 34-5):              | 55 Dust/Jetting               |
| Insulation class (IEC 85):               | F                             |
| Motor protec:                            | NONE                          |
| Motor No:                                | 85U05105                      |
| <b>Controls:</b>                         |                               |
| Frequency converter:                     | NONE                          |
| <b>Others:</b>                           |                               |
| Minimum efficiency index, MEI ≥:         | 0.70                          |
| Net weight:                              | 32.6 kg                       |
| Gross weight:                            | 36.1 kg                       |
| Shipping volume:                         | 0.08 m³                       |

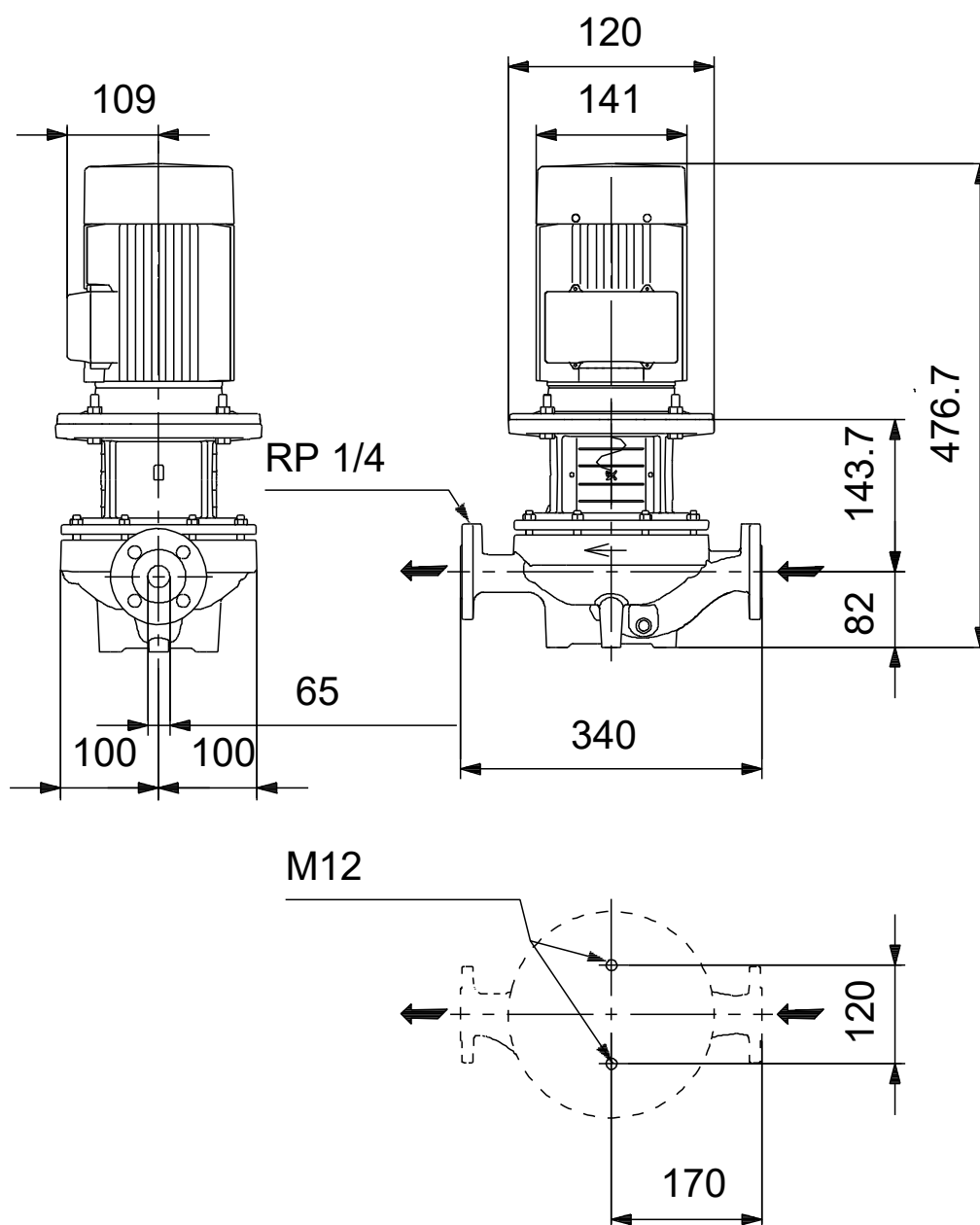


| Description        | Value       |
|--------------------|-------------|
| Danish VVS No.:    | 38 1814.120 |
| Finnish LVI No.:   | 4616072     |
| Norwegian NRF no.: | 9043574     |
| Country of origin: | HU          |
| Custom tariff no.: | 84137051    |

98585759 TP 65-120/2 A-F-A-BQQE-GX1 50 Hz



# 98585759 TP 65-120/2 A-F-A-BQQE-GX1 50 Hz



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

**Spare parts TP 65-120/2, Product No. 98585759**  
**Produced After 1101 (production year and week number)**

| Pos  | Omschrijving                  | Opmerking tekst | Classificatie Gegevens      | Onderdeelnr. | Aantal | Eenheid |
|------|-------------------------------|-----------------|-----------------------------|--------------|--------|---------|
| -    | Kit, coupling                 |                 | Dimension: 19/16            | 00339119     | 1      | pcs     |
| 9    | Hex socket head cap screw     |                 | Designation: DIN 912        |              | 4      |         |
|      |                               |                 | Length (mm): 20             |              |        |         |
|      |                               |                 | Thread: M6                  |              |        |         |
| 10a  | Coupling half                 |                 |                             |              | 2      |         |
| 10   | Shaft pin                     |                 | Diameter: 5                 |              | 1      |         |
|      |                               |                 | Length (mm): 26             |              |        |         |
| -    | Kit, shaft seal               |                 |                             | 98313337     | 1      | pcs     |
|      | Plug                          |                 |                             |              | 2      |         |
| 72a  | O-ring                        |                 | Diameter: 154               |              | 1      |         |
|      |                               |                 | Material type: EPDM         |              |        |         |
|      |                               |                 | Thickness: 4                |              |        |         |
| 72a  | O-ring                        |                 |                             |              | 1      |         |
| 105  | Shaft seal                    |                 |                             |              | 1      |         |
| -    | Shaft w/impeller cpl.         |                 |                             | 98313235     | 1      | pcs     |
| 49b  | Split cone nut                |                 |                             | 96547794     | 1      |         |
| 49b  | Split cone                    |                 |                             | 96547795     | 1      |         |
| 49   | Impeller cpl.                 |                 |                             | 96547710     | 1      |         |
| 51   | Shaft                         |                 |                             | 96547791     | 1      |         |
| -    | Motor                         |                 |                             | 91333027     | 1      | pcs     |
| -    | Kit, Ball bearing             |                 |                             | 96279730     | 1      |         |
| 111  | Ball bearing                  |                 | Designation: 6204.2Z.C3.SYN |              | 1      |         |
| 111  | Ball bearing                  |                 |                             |              | 1      |         |
| 157  | O-ring                        |                 | Diameter: 32                |              | 1      |         |
|      |                               |                 | Material type: NBR          |              |        |         |
|      |                               |                 | Thickness: 2                |              |        |         |
| 158  | Waved washer                  |                 |                             |              | 1      |         |
| -    | Kit, fan                      |                 |                             | 96279721     | 1      |         |
| 156  | Fan                           |                 |                             |              | 1      |         |
| 159a | Seal ring                     |                 |                             |              | 1      |         |
| -    | Kit, fan cover                |                 |                             | 96279720     | 1      |         |
| 151  | Fan cover                     |                 |                             |              | 1      |         |
| 152  | Pan head thread forming screw |                 |                             |              | 2      |         |
| -    | Kit, flange                   |                 |                             | 96279854     | 1      |         |
| 156b | Flange                        |                 |                             |              | 1      |         |
| 159c | Seal ring                     |                 |                             |              | 1      |         |
| 184  | Gasket                        |                 | Internal diameter: 114,80   |              | 1      |         |
|      |                               |                 | Outer diameter: 121,20      |              |        |         |
|      |                               |                 | Thickness: 0,25             |              |        |         |
| 185  | Pan head screw                |                 |                             |              | 4      |         |
| 186  | Drain plug                    |                 |                             |              | 1      |         |
| -    | Kit, shaft seal               |                 |                             | 96279722     | 1      |         |
| 159c | Seal ring                     |                 |                             |              | 1      |         |
| 159a | Seal ring                     |                 |                             |              | 1      |         |
| -    | Kit, terminal box             |                 |                             | 96279724     | 1      |         |
| 152  | Pan head thread forming screw |                 |                             |              | 4      |         |
| 164a | Terminal box w/gasket         |                 |                             |              | 1      |         |
| 164  | Terminal box cover w/gasket   |                 |                             |              | 1      |         |
| 173a | Washer                        |                 | Designation: SQUARE         |              | 1      |         |
|      |                               |                 | Internal diameter: 5,5      |              |        |         |
|      |                               |                 | Outer diameter: 10X10       |              |        |         |
|      |                               |                 | Thickness: 1,5              |              |        |         |

| Pos  | Omschrijving                  | Opmerking tekst | Classificatie Gegevens      | Onderdeelnr. | Aantal | Eenheid |
|------|-------------------------------|-----------------|-----------------------------|--------------|--------|---------|
| 173a | Base                          |                 |                             |              | 1      |         |
| 173  | Pan head thread forming screw |                 | Designation: COMBI TORX T25 |              | 1      |         |
| 173  | Pan head screw                |                 | Designation: DIN 7985       |              | 1      |         |
| 175  | Pan head screw                |                 | Designation: DIN 7985       |              | 2      |         |
| 176  | Terminal cpl.                 |                 |                             |              | 1      |         |
| 2    | Motor stool                   |                 |                             | 98679966     | 1      | pcs     |
| 7a   | Pan head screw                |                 |                             | 96536492     | 4      | pcs     |
| 7    | Coupling guard                |                 |                             | 96590452     | 2      | pcs     |
| 10   | Shaft pin                     |                 | Diameter: 5                 | 96536473     | 1      | pcs     |
|      |                               |                 | Length (mm): 26             |              |        |         |
| 10   | Shaft pin                     |                 | Diameter: 5                 | 96587588     | 1      | pcs     |
|      |                               |                 | Length (mm): 26             |              |        |         |
| 18   | Air vent screw                |                 | Thread: 1/4"                | 98164273     | 1      | pcs     |
| 19   | Plug                          |                 |                             | 98163028     | 2      | pcs     |
| 26   | Hex head screw                |                 | Length (mm): 25             | 97506945     | 8      | pcs     |
|      |                               |                 | Thread: M10                 |              |        |         |
| - 50 | Pump housing cpl.             |                 |                             | 98313171     | 1      | pcs     |
| 45   | Neck ring                     |                 |                             | 96591109     | 1      |         |
| 72a  | O-ring                        |                 | Diameter: 154               | 98163015     | 1      | pcs     |
|      |                               |                 | Material type: EPDM         |              |        |         |
|      |                               |                 | Thickness: 4                |              |        |         |