

## SQE 3- 95 1.68KW 200-240V 50/60HZ

Grundfos pump 96510161



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<https://www.lenntech.com/grundfos/SQEC03/96510161/SQE-3-95.html>

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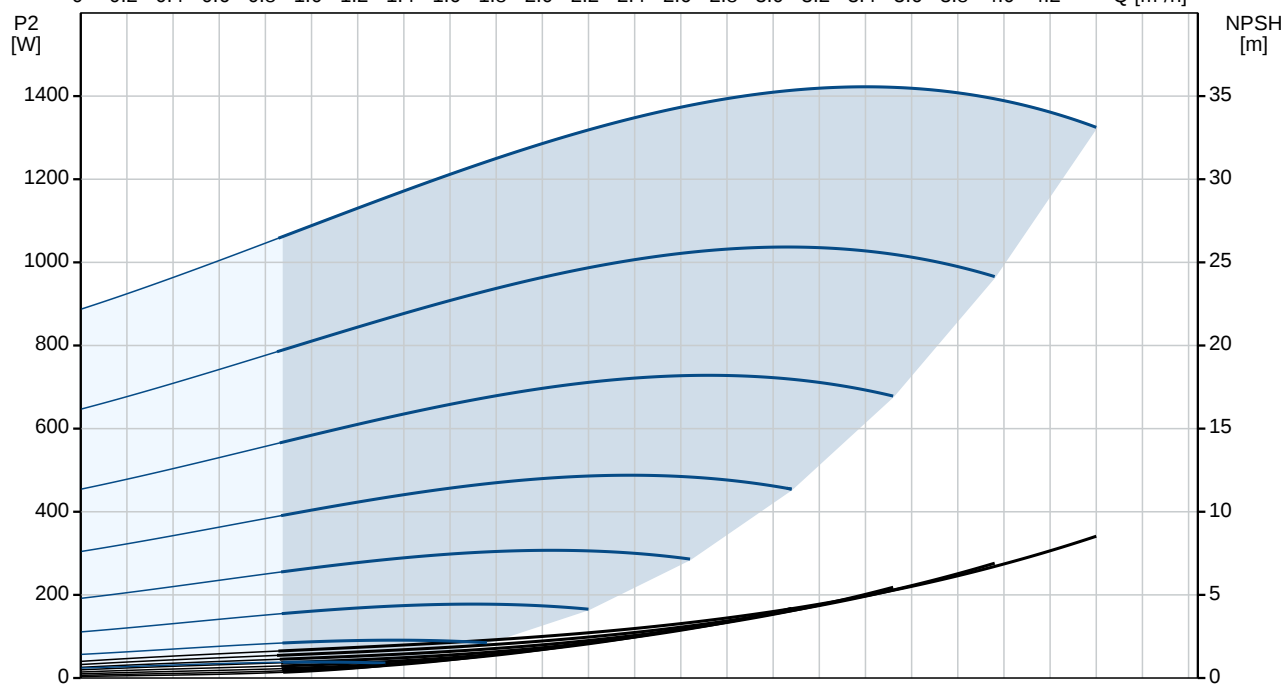
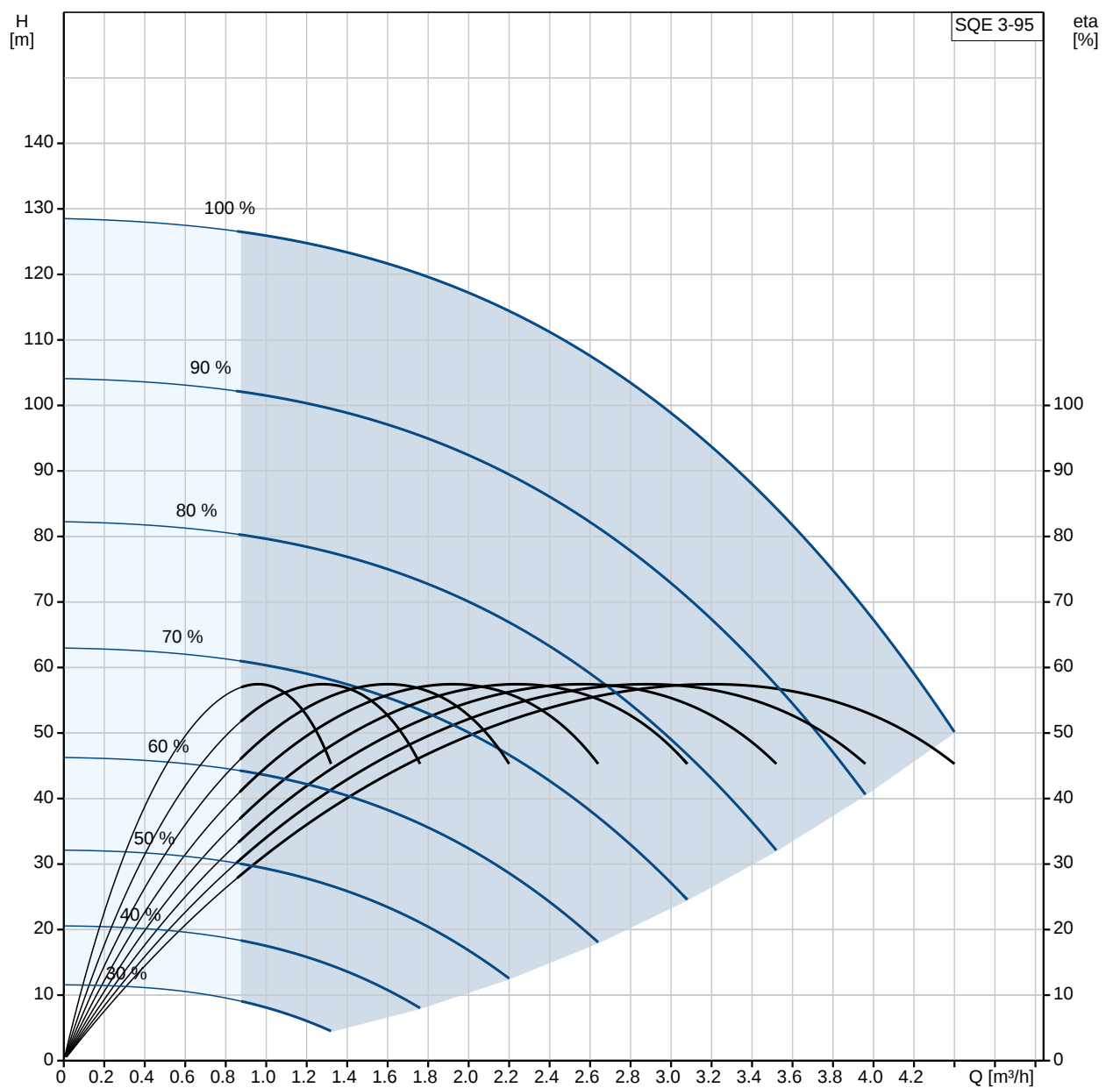
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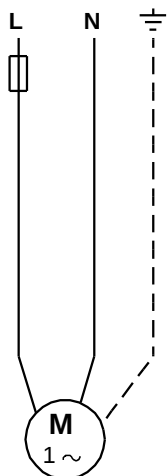
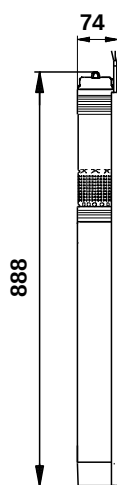
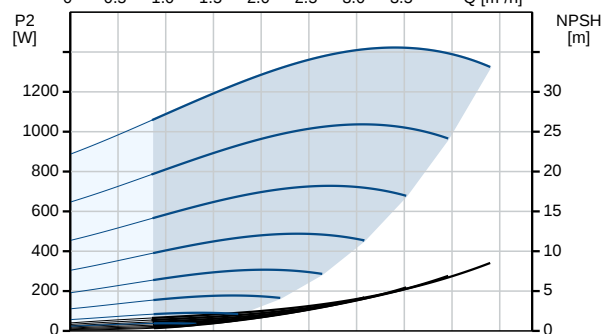
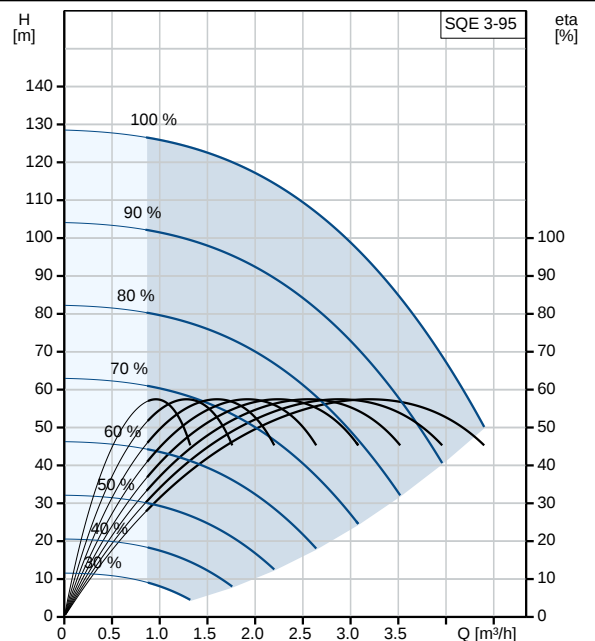
| Position | Qty. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | 1    | <p><b>SQE 3-95</b></p>  <p><b>Note! Product picture may differ from actual product</b></p> <p>Product No.: On request</p> <p>3" multi-stage, submersible pump designed for domestic water supply, liquid transfer in tanks, irrigation and environmental applications. The pump has "floating" impellers, each with its own tungsten carbide/ceramic bearing.</p> <p>The pump features soft starting and protection against dry-running, upthrust, overvoltage, undervoltage, overload and overtemperature.</p> <p>The motor is a single-phase motor of the permanent magnet rotor type ensuring optimum efficiency within a wide load range.</p> <p>The motor is fitted with a replaceable end cover with socket.</p> <p><b>Liquid:</b></p> <p>Pumped liquid: Water</p> <p>Maximum liquid temperature: 35 °C</p> <p>Max liquid t at 0.15 m/sec: 35 °C</p> <p>Liquid temperature during operation: 20 °C</p> <p>Density: 998.2 kg/m<sup>3</sup></p> <p><b>Technical:</b></p> <p>Rated flow: 3 m<sup>3</sup>/h</p> <p>Rated head: 98 m</p> <p>Approvals on motor nameplate: CE,UL,CUL</p> <p>Curve tolerance: ISO9906:2012 3B</p> <p><b>Materials:</b></p> <p>Pump: Polyamide / Stainless steel<br/>DIN W.-Nr. 1.4301<br/>AISI 304</p> <p>Impeller: Polyamide</p> <p>Motor: Stainless steel<br/>DIN W.-Nr. 1.4301<br/>AISI 304</p> <p><b>Installation:</b></p> <p>Pump outlet: Rp 1 1/4</p> <p>Minimum borehole diameter: 76 mm</p> <p><b>Electrical data:</b></p> <p>Motor type: MSE3</p> <p>Power input - P1: 2.32 kW</p> <p>Rated power - P2: 1.55 kW</p> <p>Mains frequency: 50 Hz</p> <p>Rated voltage: 1 x 200-240 V</p> <p>Rated current: 11.2 A</p> <p>Power factor: 1.00</p> <p>Rated speed: 10700 rpm</p> <p>Start. method: direct-on-line</p> |

| Position | Qty. | Description                                                                                                                                                                                                                                                      |
|----------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          |      | Enclosure class (IEC 34-5): IP68<br>Insulation class (IEC 85): F<br>Length of cable: 1.5 m<br><br><b>Others:</b><br>Net weight: 6.4 kg<br>Gross weight: 6.9 kg<br>Shipping volume: 0.011 m <sup>3</sup><br>Danish VVS No.: 388443495<br>Swedish RSK No.: 5853380 |

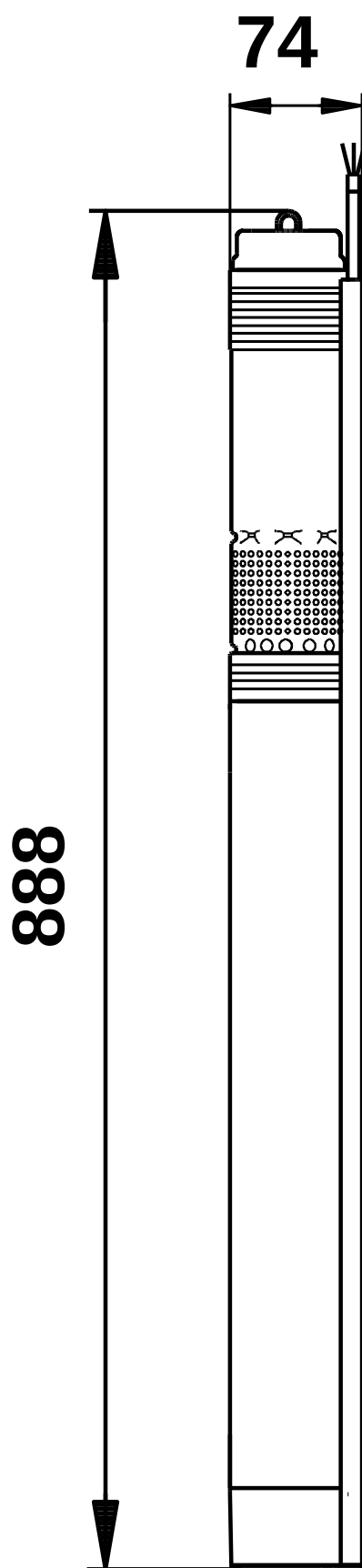
# On request SQE 3-95 50 Hz



| Description                          | Value                                                        |
|--------------------------------------|--------------------------------------------------------------|
| <b>General information:</b>          |                                                              |
| Product name:                        | SQE 3-95                                                     |
| Product No:                          | On request                                                   |
| EAN number:                          | On request                                                   |
| <b>Technical:</b>                    |                                                              |
| Rated flow:                          | 3 m³/h                                                       |
| Rated head:                          | 98 m                                                         |
| Stages:                              | 7                                                            |
| Approvals on motor nameplate:        | CE,UL,CUL                                                    |
| Curve tolerance:                     | ISO9906:2012 3B                                              |
| Pump No:                             | 96080409                                                     |
| Model:                               | B                                                            |
| Valve:                               | pump with built-in non-return valve                          |
| <b>Materials:</b>                    |                                                              |
| Pump:                                | Polyamide / Stainless steel<br>DIN W.-Nr. 1.4301<br>AISI 304 |
| Impeller:                            | Polyamide                                                    |
| Motor:                               | Stainless steel<br>DIN W.-Nr. 1.4301<br>AISI 304             |
| <b>Installation:</b>                 |                                                              |
| Pump outlet:                         | Rp 1 1/4                                                     |
| Minimum borehole diameter:           | 76 mm                                                        |
| <b>Liquid:</b>                       |                                                              |
| Pumped liquid:                       | Water                                                        |
| Maximum liquid temperature:          | 35 °C                                                        |
| Max liquid t at 0.15 m/sec:          | 35 °C                                                        |
| Liquid temperature during operation: | 20 °C                                                        |
| Density:                             | 998.2 kg/m³                                                  |
| <b>Electrical data:</b>              |                                                              |
| Motor type:                          | MSE3                                                         |
| Power input - P1:                    | 2.32 kW                                                      |
| Rated power - P2:                    | 1.55 kW                                                      |
| Mains frequency:                     | 50 Hz                                                        |
| Rated voltage:                       | 1 x 200-240 V                                                |
| Rated current:                       | 11.2 A                                                       |
| Power factor:                        | 1.00                                                         |
| Rated speed:                         | 10700 rpm                                                    |
| Start. method:                       | direct-on-line                                               |
| Enclosure class (IEC 34-5):          | IP68                                                         |
| Insulation class (IEC 85):           | F                                                            |
| Motor protec:                        | Y                                                            |
| Thermal protec:                      | internal                                                     |
| Length of cable:                     | 1.5 m                                                        |
| Motor No:                            | 96160856                                                     |
| <b>Controls:</b>                     |                                                              |
| CU 300/CU 301:                       | communication with CU 300/CU 301 possible                    |
| <b>Others:</b>                       |                                                              |
| Net weight:                          | 6.4 kg                                                       |
| Gross weight:                        | 6.9 kg                                                       |
| Shipping volume:                     | 0.011 m³                                                     |
| Sales region:                        | EU/S-AMREG/APREG                                             |
| Danish VVS No.:                      | 388443495                                                    |
| Swedish RSK No.:                     | 5853380                                                      |



On request SQE 3-95 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 )



**Parts list SQE 3-95, Product No. On request**  
**Valid from 3.12.2012 (1249)**

| Pos   | Description            | Annotation | Données de classification | Référence | Quantité | Unité |
|-------|------------------------|------------|---------------------------|-----------|----------|-------|
| -     | Pump w/o motor         |            |                           |           | 1        | pcs   |
| 1a    | Discharge chamber      |            | Thread: RP 1 1/4"         |           | 1        |       |
| 16    | Shaft cpl.             |            | Length (mm): 232,6        |           | 1        |       |
| 55    | Pump sleeve            |            |                           |           | 1        |       |
| -     | Motor                  |            |                           |           | 1        | pcs   |
|       | Motor liquid           |            |                           |           | 0        |       |
| 220   | Power cable            |            |                           |           | 1        |       |
| - 250 | Screw                  |            |                           |           | 4        |       |
| 18a   | Pan head tapping screw |            |                           |           | 2        |       |
| 250   | Pan head screw         |            |                           |           | 4        |       |
| - 250 | Screw                  |            |                           |           | 1        |       |
| 18a   | Pan head tapping screw |            |                           |           | 2        |       |
| 250   | Pan head screw         |            |                           |           | 4        |       |
| 18    | Cable guard            |            |                           |           | 1        | pcs   |
| 18a   | Pan head tapping screw |            |                           |           | 2        | pcs   |

*Disclaimer: The information about the Grundfos pump in this document may be outdated.*

*Data may be subject to alterations without further notice.*

*Please contact us to verify the data above is still accurate/up-to-date.*

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