CMBE Booster
Horizontal, multistage centrifugal boosters

Description
50/60 Hz
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1. Product description

The compact Grundfos CMBE Booster is suitable for domestic applications such as raw-water supply, pressure boosting, irrigation and dewatering. The booster ensures a constant supply of fresh water to your home and garden.

Product range

Fig. 1  CMBE

Applications

The boosters are designed to cover a wide range of applications from small domestic installations to small industrial systems. Typical applications:

- pressure boosting for home and gardening
- water supply for agriculture
- transfer and pressure boosting in break tank and rainwater applications
- water supply from shallow wells.

Approvals

Drinking Water Certifications:

UL Electrical:
1 x 230 V CMBE models: UL Listed Packaged Pumping System

UL Electrical:
1 x 115 V CMBE models: Motor is UL Recognized

Pumped liquids

The boosters are suitable for pumping clean, thin, non-aggressive and non-explosive liquids without solid particles or fibers. Examples:

- drinking or tap water
- rainwater and condensate
- groundwater
- river and lake water
- boiler feed water and district heating water
- chlorinated water
- softened water.

The pumps must not be used for transfer of diesel oil or other oil-containing liquids. Sand and other impurities in water can cause wear to the pump.
### Identification

#### Type key

<table>
<thead>
<tr>
<th>Example</th>
<th>CMBE</th>
<th>1</th>
<th>-47</th>
<th>-I</th>
<th>-A</th>
<th>2</th>
<th>-E</th>
<th>-D</th>
<th>-E</th>
</tr>
</thead>
</table>

**Type range**  
CMBE: CME Booster with integrated frequency converter

**Rated flow rate**  
\[\text{m}^3/\text{h}\]

**Max. head**  
[m]

**Materials in contact with the pumped liquid**

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Sleeve</td>
</tr>
<tr>
<td></td>
<td>Pump shaft</td>
</tr>
<tr>
<td></td>
<td>Impellers/chambers</td>
</tr>
<tr>
<td></td>
<td>Pressure Manager</td>
</tr>
<tr>
<td></td>
<td>Pressure tank</td>
</tr>
<tr>
<td></td>
<td>5-way valve</td>
</tr>
</tbody>
</table>

**Supply voltage**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>1 x 115 V, 60 Hz</td>
</tr>
<tr>
<td>U</td>
<td>1 x 200-240 V, 60 Hz</td>
</tr>
</tbody>
</table>

**Motor**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C: High-efficiency motor with frequency converter (IP55)</td>
</tr>
</tbody>
</table>

**Mains cable and plug**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B: U.S. plug NEMA 5-15 (1 x 115 V m, 60 Hz, CMBE)</td>
</tr>
<tr>
<td>I: Without cable and plug, (1 x 200 - 240 V, 60 Hz CMBE)</td>
</tr>
</tbody>
</table>

**Controller**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>D: Integrated frequency converter</td>
</tr>
</tbody>
</table>

**Thread**

<table>
<thead>
<tr>
<th>Thread</th>
</tr>
</thead>
<tbody>
<tr>
<td>E: NPT 1&quot;</td>
</tr>
<tr>
<td>F: NPT 1 1/4&quot;</td>
</tr>
<tr>
<td>G: NPT 1 1/2&quot;</td>
</tr>
<tr>
<td>H: NPT 2&quot;</td>
</tr>
</tbody>
</table>

1) The new-generation MLE, currently 1/2 to 2 Hp (0.37 to 2.2 kW).

Note: The type key cannot be used for ordering as not all combinations are possible.
Installation

Mechanical installation
Placing the pump above ground is generally a convenient way of establishing a water or rainwater supply.
Place the pump as close as possible to the water supply to make the suction pipe as short as possible.
If a hose is used as suction pipe, it must be non-collapsible. Fit a strainer to the suction pipe to prevent solids from entering the pump.
The pump must be installed on a plane surface and fixed so that it cannot be displaced during startup and operation. The inlet direction must be horizontal.
The pump should be installed with easy access for inspection, maintenance and service.
The pump should be installed in a well-ventilated location.

Suction pipe
If the pump is to pump water from a well, borehole or similar, always fit a non-return valve on the suction pipe of the pump.
Install the suction pipe in such way that bends, air pockets and any unnecessary restrictions to the flow are avoided. See fig. 2.

Operating conditions
The maximum time of operation against a closed discharge valve is limited by the liquid temperature which must not exceed +104 °F (+40 °C).
The maximum inlet pressure depends on the pump head at the actual duty point. The sum of the inlet pressure and the pump head must not exceed the maximum system pressure.

Electrical installation
The electrical connection and protection should be carried out in accordance with local regulations.
- One-phase standard pumps incorporate thermal protection and therefore require no external protection.
- One-phase CMBE pumps require no external motor protection. The variable-speed motor incorporates thermal protection against slow overloading and blocking.
The electrical installation of the pressure control unit must be carried out so that the enclosure class is maintained.

Fig. 2  Pipework recommendations

Long suction pipes affect the performance of the pump. The diameter of the suction pipe must not be smaller than that of the suction port. When the suction pipe is longer than 32 ft.(10 meters) or the suction lift is greater than 13 ft.(4 meters), the diameter of the suction pipe must be larger than that of the suction port.
The time from when the pump is started until it delivers water depends on the length of the suction pipe and on the suction lift. Do not allow the pump to run for more than five minutes before it delivers water as the heat generated will damage the pump.
Selection guide

This is a quick and easy tool to show you which product is ideal for your needs. Just follow the charts and instructions on this page, and you will be sure to get a perfect fit.

Example: sizing and selection

Fig. 3 Sizing and selection

Booster sizing and selection

A: Required comfort level
- Adjustable constant pressure.

B: Find the right booster
- How many floors? 3.

Result: CMBE 1-75

<table>
<thead>
<tr>
<th>Number of taps</th>
<th>1-5</th>
<th>6-10</th>
<th>11-20</th>
<th>21-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>CMBE 1-75</td>
<td>CMBE 1-75</td>
<td>CMBE 3-62</td>
<td>CMBE 3-93</td>
</tr>
<tr>
<td>3</td>
<td>CMBE 1-44</td>
<td>CMBE 1-75</td>
<td>CMBE 3-62</td>
<td>CMBE 3-62</td>
</tr>
<tr>
<td>2</td>
<td>CMBE 1-44</td>
<td>CMBE 1-44</td>
<td>CMBE 3-62</td>
<td>CMBE 3-62</td>
</tr>
<tr>
<td>1</td>
<td>CMBE 1-44</td>
<td>CMBE 1-44</td>
<td>CMBE 3-30</td>
<td>CMBE 3-62</td>
</tr>
</tbody>
</table>

Preconditions:
- A tap pressure of 45 psi is considered, to achieve a pressure of 60 psi, add two floors.
- Flooded suction: Add more floors to compensate for low suction pressure.
- 7.9 gpm per tap average usage pattern is taken into account.

Grundfos cannot be held responsible for wrong sizing based on this guide.
CMBE Booster

CMBE Selection Guides

1 x 115 V Supply Power Flow Rate Selection Chart

<table>
<thead>
<tr>
<th>PSI Boost</th>
<th>0-10 GPM</th>
<th>0-15 GPM</th>
<th>0-20 GPM</th>
<th>0-25 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>CMBE 1-44</td>
<td>CMBE 1-44</td>
<td>CMBE 3-30</td>
<td>CMBE 3-30</td>
</tr>
<tr>
<td>25</td>
<td>CMBE 1-44</td>
<td>CMBE 1-44</td>
<td>CMBE 3-30</td>
<td>CMBE 3-30</td>
</tr>
<tr>
<td>30</td>
<td>CMBE 1-44</td>
<td>CMBE 1-44</td>
<td>CMBE 3-30</td>
<td>CMBE 3-51</td>
</tr>
<tr>
<td>35</td>
<td>CMBE 1-44</td>
<td>CMBE 1-75</td>
<td>CMBE 3-51</td>
<td>*CMBE 3-51</td>
</tr>
<tr>
<td>40</td>
<td>CMBE 1-44</td>
<td>CMBE 3-51</td>
<td>*CMBE 3-51</td>
<td>*CMBE 3-51</td>
</tr>
</tbody>
</table>
| 45        | CMBE 1-44| CMBE 3-51| *CMBE 3-51| –
| 50        | CMBE 1-44| CMBE 3-51| –| –
| 55        | CMBE 1-75| *CMBE 3-51| –| –
| 60        | CMBE 1-75| *CMBE 3-51| –| –
| 65        | *CMBE 1-75| –| –| –
| 70        | *CMBE 1-75| –| –| –
| 75        | *CMBE 1-75| –| –| –
| 80        | *CMBE 1-75| –| –| –

Note: (*) indicates pump may be 5-10% undersized on flow at desired pressure.

1 x 230 V Supply Power Flow Rate Selection Chart

<table>
<thead>
<tr>
<th>PSI Boost</th>
<th>0-15 GPM</th>
<th>0-25 GPM</th>
<th>0-35 GPM</th>
<th>0-45 GPM</th>
<th>0-55 GPM</th>
<th>0-65 GPM</th>
<th>0-70 GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>CMBE 1-44</td>
<td>CMBE 3-30</td>
<td>CMBE 5-31</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
</tr>
<tr>
<td>25</td>
<td>CMBE 1-44</td>
<td>*CMBE 3-30</td>
<td>CMBE 5-31</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
</tr>
<tr>
<td>30</td>
<td>CMBE 1-75</td>
<td>CMBE 5-31</td>
<td>CMBE 5-31</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
<td>CMBE 10-54</td>
<td>*CMBE 10-54</td>
</tr>
</tbody>
</table>
| 35        | CMBE 1-75| CMBE 3-62| CMBE 5-31| CMBE 10-54| CMBE 10-54| *CMBE 10-54| –
| 40        | CMBE 1-75| CMBE 3-62| CMBE 5-62| CMBE 10-54| *CMBE 10-54| –| –
| 45        | CMBE 1-75| CMBE 3-62| CMBE 5-62| *CMBE 10-54| –| –| –
| 50        | CMBE 1-99| CMBE 3-62| CMBE 5-62| *CMBE 10-54| –| –| –
| 55        | CMBE 1-99| CMBE 3-93| CMBE 5-62| *CMBE 10-54| –| –| –
| 60        | CMBE 1-99| CMBE 3-93| CMBE 5-62| –| –| –| –
| 65        | CMBE 1-99| CMBE 5-62| –| –| –| –| –
| 70        | CMBE 3-93| CMBE 5-62| –| –| –| –| –
| 75        | CMBE 3-93| CMBE 5-62| –| –| –| –| –
| 80        | CMBE 3-93| CMBE 5-62| –| –| –| –| –

Note: (*) indicates pump may be 5-10% undersized on flow at desired pressure.
2. Constant Pressure Booster

The compact Grundfos CMBE Booster is suitable for water supply in domestic applications. Thanks to the integrated speed controller, the booster keeps a constant pressure in the pipe system. A pressure sensor monitoring changes in the water consumption will signal to the speed controller to change the motor speed to adapt the performance to the new situation. The optional inlet pressure switch prevents the pump from operating in case of low inlet pressure.

The CMBE Booster consists of these components:
- CME pump with integrated frequency converter
- 5-way fitting with non-return valve
- diaphragm tank
- pressure gauge
- pressure sensor

**CMBE Booster Applications**

The CMBE Booster is mainly used for domestic and light commercial water supply or pressure boosting.

**Motor**

No external motor protection is required. The MLE motor incorporates thermal protection against slow overloading and blocking (TP 211 according to IEC 34.11).

**Features**

- constant pressure via integrated speed control
- compact
- robust, stainless steel design
- easy installation
- low energy consumption
- dry-running protection
- noise level below 55 dBA and even lower at controlled speed

**Operating conditions**

<table>
<thead>
<tr>
<th>System pressure</th>
<th>Max. 145 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suction lift</td>
<td>Max. 23 ft. including suction-pipe pressure loss at a liquid temperature of 68 °F (+20 °C).</td>
</tr>
<tr>
<td>Liquid temperature</td>
<td>32 °F to 140 °F (0 °C to +60 °C).</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>Max. 113 °F (+45 °C) for 115V Max. 122 °F (+50 °C) for 220V Min. -4 °F (+20 °C).</td>
</tr>
<tr>
<td>Relative air humidity</td>
<td>Max. 95 %.</td>
</tr>
<tr>
<td>Enclosure class</td>
<td>IP55.</td>
</tr>
<tr>
<td>Insulation class</td>
<td>F.</td>
</tr>
<tr>
<td>Sound pressure level</td>
<td>The sound pressure level of the pump is below 55 dBA.</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>1 x 200-240 V, 1 x 115 V, 60 Hz</td>
</tr>
<tr>
<td>Start/stop frequency</td>
<td>Max. 100 per hour.</td>
</tr>
<tr>
<td>Cut-in pressure</td>
<td>7 psi below setpoint.</td>
</tr>
</tbody>
</table>

**Electrical data**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CMBE 1-44</td>
<td>1 x 115</td>
<td>8</td>
<td>1100</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 x 200-240</td>
<td>3.4 - 2.9</td>
<td>685</td>
<td>1.5</td>
</tr>
<tr>
<td>CMBE 1-75</td>
<td>1 x 115</td>
<td>8</td>
<td>1100</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 x 200-240</td>
<td>6.55 - 5.45</td>
<td>969</td>
<td>1.5</td>
</tr>
<tr>
<td>CMBE 1-99</td>
<td>1 x 200-240</td>
<td>6.55 - 5.45</td>
<td>1050</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>1 x 115</td>
<td>8</td>
<td>1100</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1 x 200-240</td>
<td>6.55 - 5.45</td>
<td>815</td>
<td>1.5</td>
</tr>
<tr>
<td>CMBE 3-31</td>
<td>1 x 115</td>
<td>8</td>
<td>1100</td>
<td>1</td>
</tr>
<tr>
<td>CMBE 3-62</td>
<td>1 x 200-240</td>
<td>6.55 - 5.45</td>
<td>1220</td>
<td>1.5</td>
</tr>
<tr>
<td>CMBE 3-93</td>
<td>1 x 200-240</td>
<td>8.9 - 7.45</td>
<td>1300</td>
<td>2</td>
</tr>
<tr>
<td>CMBE 5-31</td>
<td>1 x 200-240</td>
<td>6.55 - 5.45</td>
<td>1300</td>
<td>1.5</td>
</tr>
<tr>
<td>CMBE 5-62</td>
<td>1 x 200-240</td>
<td>8.9 - 7.45</td>
<td>1400</td>
<td>2</td>
</tr>
<tr>
<td>CMBE 10-54</td>
<td>1 x 200-240</td>
<td>9.1 - 7.6</td>
<td>1250</td>
<td>2</td>
</tr>
</tbody>
</table>

*Recommended

Applicable.
Wetted parts

The table below specifies the parts of the pump that are in contact with the pumped liquid.

<table>
<thead>
<tr>
<th>Designation</th>
<th>Material</th>
<th>Technical description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump sleeve</td>
<td>Stainless steel</td>
<td>AISI 304/EN 1.4301</td>
</tr>
<tr>
<td>Impeller</td>
<td>Stainless steel</td>
<td>AISI 304/EN 1.4301</td>
</tr>
<tr>
<td>Diffuser</td>
<td>Technopolymer</td>
<td>PP 20 % Talc</td>
</tr>
<tr>
<td>Ejector</td>
<td>Technopolymer</td>
<td>PPE/PS 20 % GF</td>
</tr>
<tr>
<td>Nozzle</td>
<td>Stainless steel</td>
<td>AISI 304/EN 1.4301</td>
</tr>
<tr>
<td>Shaft</td>
<td>Stainless steel</td>
<td>AISI 304/EN 1.4301</td>
</tr>
<tr>
<td>Shaft seal</td>
<td>Carbon with resin/ceramic</td>
<td>CVBP</td>
</tr>
<tr>
<td>Filling plug</td>
<td>Technopolymer</td>
<td>PES 30 % GF</td>
</tr>
<tr>
<td>Drain plug</td>
<td>Technopolymer</td>
<td>PES 30 % GF</td>
</tr>
</tbody>
</table>

Dimensional drawings

<table>
<thead>
<tr>
<th>Pump type</th>
<th>H1 [in. (mm)]</th>
<th>H2 [in. (mm)]</th>
<th>H3 [in. (mm)]</th>
<th>L1 [in. (mm)]</th>
<th>B2 (L2) [in. (mm)]</th>
<th>A1 [NPT]</th>
<th>A2 [NPT]</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMBE 1-44</td>
<td>2.95 (75)</td>
<td>7.87 (200)</td>
<td>17.32 (440)</td>
<td>12.83 (326)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>CMBE 1-75</td>
<td>2.95 (75)</td>
<td>7.87 (200)</td>
<td>17.32 (440)</td>
<td>12.83 (326)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>CMBE 1-99</td>
<td>17.32 (440)</td>
<td>7.87 (200)</td>
<td>2.95 (75)</td>
<td>14.25 (362)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>CMBE 3-30</td>
<td>2.95 (75)</td>
<td>7.87 (200)</td>
<td>17.32 (440)</td>
<td>12.83 (326)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>CMBE 3-51</td>
<td>17.32 (440)</td>
<td>7.87 (200)</td>
<td>2.95 (75)</td>
<td>13.54 (344)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>CMBE 3-93</td>
<td>17.91 (455)</td>
<td>8.46 (215)</td>
<td>3.54 (90)</td>
<td>13.77 (350)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1”</td>
</tr>
<tr>
<td>CMBE 5-31</td>
<td>17.32 (440)</td>
<td>7.87 (200)</td>
<td>2.95 (75)</td>
<td>13.77 (350)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1 1/4”</td>
</tr>
<tr>
<td>CMBE 5-62</td>
<td>17.91 (455)</td>
<td>8.46 (215)</td>
<td>3.54 (90)</td>
<td>13.77 (350)</td>
<td>8.54 (217)</td>
<td>1”</td>
<td>1 1/4”</td>
</tr>
<tr>
<td>CMBE 10-54</td>
<td>20.07 (510)</td>
<td>9.96 (253)</td>
<td>3.62 (92)</td>
<td>14.84 (377)</td>
<td>9.13 (232)</td>
<td>1 1/2”</td>
<td>1 1/2”</td>
</tr>
</tbody>
</table>
Materials

<table>
<thead>
<tr>
<th>Designation</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal box</td>
<td>Composite PC/ASA and silumin (Alu)</td>
</tr>
<tr>
<td>Stator housing</td>
<td>Silumin (Alu)</td>
</tr>
<tr>
<td>Fan cover</td>
<td>Composite PBT/PC</td>
</tr>
<tr>
<td>Pump housing</td>
<td>Stainless steel, AISI 304/EN 1.4301</td>
</tr>
<tr>
<td>Shaft and impeller</td>
<td>Stainless steel, AISI 304/EN 1.4301</td>
</tr>
<tr>
<td>Flange</td>
<td>Cast iron</td>
</tr>
</tbody>
</table>

Control panel

The control panel on the E-pump terminal box makes it possible to change the setpoint settings manually.

**MLE 1/2 to 2 Hp (0.37 to 2.2 kW)**

The operating condition of the pump is indicated by the Grundfos Eye on the control panel. See fig. 5, pos. A.

![Control panel on CRE pump](image)

Set the desired setpoint by pressing ⊕ or ⊖. The light fields on the control panel will indicate the setpoint set. Continuously pressing ⊖ will stop the pump.
3. Performance curves
CMBE Booster 1-44 (115 V)

Performance curves

CMBE Booster 1-44
115 V (+/-10%), 50/60 Hz
ISO 9906:2012 3B
CMBE Booster 1-44

Performance curves

CMBE Booster 1-44
200-240 V, 50/60 Hz
ISO 9906:2012 3B
CMBE Booster 1-75 (115 V)

Performance curves

CMBE Booster 1-75
115 V (+/-10%), 50/60 Hz
ISO 9906:2012 3B
CMBE Booster 1-75

Performance curves

CMBE Booster 1-75
200-240 V, 50/60 Hz
ISO 9906:2012 3B
CMBE Booster 1-99

Performance curves

CMBE Booster 1-99
200-240 V, 50/60 Hz
ISO 9906:2012 3B
CMBE Booster 3-30 (115 V)
CMBE Booster 3-30

Performance curves

CMBE Booster 3-30
200-240 V, 50/60 Hz
ISO 9906:2012 3B

H [m] vs. Q [US GPM]

P [kW] vs. Q [m³/h]

NPSH [m] vs. Q [US GPM]
CMBE 3-51 (115 V)

**Performance Curves**

**CMBE Booster 3-51**

115 V (+/-10%), 50/60 Hz

ISO 9906:2012 3B

- **H [m]** vs. **Q [US GPM]**
- **P [kW]** vs. **Q [m³/h]**
- **NPSH [m]** vs. **Q [US GPM]**
Performance curves

CMBE 3-62

CMBE Booster 3-62
200-240 V, 50/60 Hz
ISO 9906:2012 3B
CMBE 5-31 Performance curves
CMBE 5-62

Performance curves

CMBE Booster 5-62
200-240 V, 50/60 Hz
ISO 9906:2012 3B
4. Grundfos Product Center

Online search and sizing tool to help you make the right choice.

http://product-selection.grundfos.com

**SIZING** enables you to size a pump based on entered data and selection choices.

**REPLACEMENT** enables you to find a replacement product. Search results will include information on:
- the lowest purchase price
- the lowest energy consumption
- the lowest total life cycle cost.

**CATALOG** gives you access to the Grundfos product catalog.

**LIQUIDS** enables you to find pumps designed for aggressive, flammable or other special liquids.

All the information you need in one place
Performance curves, technical specifications, pictures, dimensional drawings, motor curves, wiring diagrams, spare parts, service kits, 3D drawings, documents, system parts. The Product Center displays any recent and saved items — including complete projects — right on the main page.

Downloads
On the product pages, you can download Installation and Operating Instructions, Data Booklets, Service Instructions, etc. in PDF format.
Grundfos GO

Mobile solution for professionals on the GO!
Grundfos GO is the mobile tool box for professional users on the go. It is the most comprehensive platform for mobile pump control and pump selection including sizing, replacement and documentation. It offers intuitive, handheld assistance and access to Grundfos online tools, and it saves valuable time for reporting and data collection.