CM Booster Range

Industrial quality pumps for the home and garden
### Which Pump Do I Need?

#### CME Booster

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Small Houses</th>
<th>Medium Houses</th>
<th>Large Houses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher pressure for multi-level dwellings and long runs of pipe</td>
<td></td>
<td></td>
<td>CMBE 3-62</td>
</tr>
<tr>
<td>High pressure for double story dwellings and long runs of pipe</td>
<td></td>
<td>CMBE 1-44</td>
<td></td>
</tr>
<tr>
<td>Adequate pressure for most single story dwellings</td>
<td></td>
<td></td>
<td>CMBE 5-62</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRESSURE</th>
<th>Small to average size homes 2 - 3 Taps</th>
<th>Average size homes (1 bathroom only) 3 - 4 Taps</th>
<th>Large homes (more than 1 bathroom) 4 - 5 Taps</th>
<th>Large homes and capacity for garden applications 5 - 7 Taps</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM Booster Range</td>
<td>CMB-SP 3-27</td>
<td>CMB-SP 3-47</td>
<td>CMB-SP 3-56</td>
<td>CMB-SP 5-47</td>
</tr>
</tbody>
</table>

Note: Taps are 15 Lpm at 22.5 m head

#### CM Booster Self-Priming

<table>
<thead>
<tr>
<th>Pressure</th>
<th>Small Houses</th>
<th>Medium Houses</th>
<th>Large Houses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher pressure for multi-level dwellings and long runs of pipe</td>
<td>CMB-SP 1-36</td>
<td>CMB-SP 3-37</td>
<td></td>
</tr>
<tr>
<td>High pressure for double story dwellings and long runs of pipe</td>
<td>CMB-SP 3-27</td>
<td>CMB-SP 5-28</td>
<td></td>
</tr>
<tr>
<td>Adequate pressure for most single story dwellings</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRESSURE</th>
<th>Small to average size homes 2 - 3 Taps</th>
<th>Average size homes (1 bathroom only) 3 - 4 Taps</th>
<th>Large homes (more than 1 bathroom) 4 - 5 Taps</th>
<th>Large homes and capacity for garden applications 5 - 7 Taps</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM Booster Range</td>
<td>CMB-SP 3-27</td>
<td>CMB-SP 3-47</td>
<td>CMB-SP 3-56</td>
<td>CMB-SP 5-47</td>
</tr>
</tbody>
</table>

Note: Taps are 15 Lpm at 22.5 m head
### Which pump do I need?

#### CM-PS

<table>
<thead>
<tr>
<th>Pressure Level</th>
<th>Small Houses</th>
<th>Medium Houses</th>
<th>Large Houses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher pressure for multi-level dwellings and long runs of pipe</td>
<td></td>
<td></td>
<td>CM-PS 5-47</td>
</tr>
<tr>
<td>High pressure for double story dwellings and long runs of pipe</td>
<td>CM-PS 1-36</td>
<td>CM-PS 3-37</td>
<td></td>
</tr>
<tr>
<td>Adequate pressure for most single story dwellings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small to average size homes</td>
<td>Average size homes (1 bathroom only)</td>
<td>Large homes (more than 1 bathroom)</td>
<td>Large homes and capacity for garden applications</td>
</tr>
<tr>
<td>2 - 3 Taps</td>
<td>3 - 4 Taps</td>
<td>4 - 5 Taps</td>
<td>5 - 7 Taps</td>
</tr>
</tbody>
</table>

Note: Taps are 15 Lpm at 22.5 m head

#### CMBasic

<table>
<thead>
<tr>
<th>Pressure Level</th>
<th>Small Houses</th>
<th>Medium Houses</th>
<th>Large Houses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Higher pressure for multi-level dwellings and long runs of pipe</td>
<td></td>
<td></td>
<td>CMBasic 5-47</td>
</tr>
<tr>
<td>High pressure for double story dwellings and long runs of pipe</td>
<td>CMBasic 1-36</td>
<td>CMBasic 3-37</td>
<td></td>
</tr>
<tr>
<td>Adequate pressure for most single story dwellings</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small to average size homes</td>
<td>Average size homes (1 bathroom only)</td>
<td>Large homes (more than 1 bathroom)</td>
<td>Large homes and capacity for garden applications</td>
</tr>
<tr>
<td>2 - 3 Taps</td>
<td>3 - 4 Taps</td>
<td>4 - 5 Taps</td>
<td>5 - 7 Taps</td>
</tr>
</tbody>
</table>

Note: Taps are 15 Lpm at 22.5 m head
CME Booster

The Grundfos CME Booster is a compact, frequency controlled booster designed for a variety of domestic and light industrial applications. The CME Booster ensures great comfort by providing constant pressure regardless of variations in demand or inlet pressure.

Features

Robust design
All wetted parts are made from high quality stainless steel to ensure the longest life possible.

Energy saving
The frequency controller of the CME Booster matches the power consumption with the required water output, helping to conserve energy.

Easy installation
The CME Booster is very easy to install. Once the booster has been connected to the pipework, it is simply a matter of putting the plug into a socket, and the system is operational.

Quiet operation
The CME Booster operates quietly, at around 55 decibels, significantly quieter than most pumps currently available on the market.

User-friendly interface
The user-friendly interface features LED indicators showing operational status and buttons for pressure adjustment.

Protective features
The CME Booster features dry run protection to automatically stop the pump if the water source runs out. The pump is also protected against any accidental overload by built-in thermal protection. These protective features help to ensure the longest life possible.

Applications

- Mains boosting
- Household water supply
- Pressure boosting from above ground water tanks
- Light industrial use
Performance

![Graph showing performance curves for different models.]

Operating Conditions

- **System pressure**: Max. 10 bar
- **Liquid temperature**: 0 °C to +60 °C
- **Ambient temperature**: Max. +55 °C
- **Relative air humidity**: Max. 95 %

Technical Data

- **Mains voltage**: 1 x 240 V, 50 Hz
- **Enclosure class**: IP55
- **Insulation class**: F
- **Sound pressure level**: < 55 dBA

Approvals and markings

ASNZ4020, CE

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Power (kW)</th>
<th>Dimensions</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMBE 1-44</td>
<td>98374705</td>
<td>0.55</td>
<td>1&quot; F 1&quot; F 345</td>
<td>16.1</td>
</tr>
<tr>
<td>CMBE 3-62</td>
<td>98374709</td>
<td>1.1</td>
<td>1&quot; F 1&quot; F 345</td>
<td>17.4</td>
</tr>
<tr>
<td>CMBE 5-62</td>
<td>98374712</td>
<td>1.5</td>
<td>1&quot; F 1¼&quot; F 345</td>
<td>18.8</td>
</tr>
</tbody>
</table>
CM Booster Self-Priming

The Grundfos CM Booster Self-Priming is a compact booster pump designed for domestic and light industrial use. The booster unit consists of a robust multistage centrifugal pump and a generator friendly PM1 or PM2 pressure manager. The pressure manager allows the pump to start and stop automatically according to demand and protects the pump from dry running. The CM Booster Self-Priming is the perfect solution if you are struggling with insufficient mains pressure, and can also be used with above or below ground water sources.

Features

Self-priming
With a suction lift of up to 8 metres (self-priming up to 4 metres) the CM Booster Self-Priming is ideal for pressurising water from above or below ground water sources.

Robust design
All wetted parts are made from high quality, corrosion resistant stainless steel to ensure the longest life possible.

User-friendly interface
The pump features a user-friendly interface with LED indicators displaying power status, pump running, alarm indication and pressure indication (excluding CMB-SP 1-36).

Protective functions
The pump incorporates a range of protective features such as; dry run protection, thermal overload protection, cycling alarm and maximum continuous operation time - 30 mins (excluding CMB-SP 1-36) to protect the pump and ensure a long life.

Adaptability
The CM Booster Self-Priming can be adapted to the individual installation thanks to the adjustable start pressure.

Easy installation
The booster unit is a compact solution, which makes it suitable for most installations. Simply connect the inlet and outlet, and you have a fully operational booster unit.

Integrated non-return valve
Non-return valve for backflow prevention.

Applications

- Mains boosting
- Household water supply
- Boosting from above ground water tanks
- Boosting from below ground water sources e.g. below ground tank/dam
- Light industrial use

CM Booster Range
CM Booster Self-Priming

Performance

CMB-SP 1 & CMB-SP 3

CMB-SP 3-37
CMB-SP 3-47
CMB-SP 3-56
CMB-SP 3-28

CMB-SP 5

CMB-SP 5-28
CMB-SP 5-47

Operating Conditions

System pressure
Max. 10 bar

Liquid temperature
0 °C to +60 °C

Ambient temperature
Max. +55 °C

Relative air humidity
Max. 95 %

Technical Data

Mains voltage
1 x 240 V, 50 Hz

Enclosure class
IP55

Insulation class
F

Sound pressure level
< 55 dBA

Start/stop frequency
Max. 100 per hour

Approvals and markings
ASNZ4020, CE

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Power (kW)</th>
<th>Dimensions</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMB-SP 1-36</td>
<td>98507562</td>
<td>0.5</td>
<td>1&quot; F 1&quot; F</td>
<td>377</td>
</tr>
<tr>
<td>CMB-SP 3-28</td>
<td>98507627</td>
<td>0.5</td>
<td>1&quot; F 1&quot; F</td>
<td>377</td>
</tr>
<tr>
<td>CMB-SP 3-37</td>
<td>98507628</td>
<td>0.5</td>
<td>1&quot; F 1&quot; F</td>
<td>413</td>
</tr>
<tr>
<td>CMB-SP 3-47</td>
<td>98507629</td>
<td>0.5</td>
<td>1&quot; F 1&quot; F</td>
<td>377</td>
</tr>
<tr>
<td>CMB-SP 3-56</td>
<td>98507630</td>
<td>0.67</td>
<td>1&quot; F 1&quot; F</td>
<td>453</td>
</tr>
<tr>
<td>CMB-SP 5-28</td>
<td>98507635</td>
<td>0.5</td>
<td>1&quot; F 1 1/4&quot; F</td>
<td>377</td>
</tr>
<tr>
<td>CMB-SP 5-47</td>
<td>98507636</td>
<td>0.9</td>
<td>1&quot; F 1 1/4&quot; F</td>
<td>453</td>
</tr>
</tbody>
</table>
The CM-PS is a compact booster solution designed for domestic and light industrial use. The booster unit consists of a robust CM pump, 5-way valve and a pressure switch. To complete the booster system a pressure tank must be fitted. The pressure switch and pressure tank ensure a convenient water supply with a minimum start/stop frequency.

**Features**

**Robust design**
All wetted parts are made from high quality stainless steel including the impeller, pump housing and shaft to ensure the longest life possible.

**Automatic operation**
The built-in pressure switch automatically starts and stops the pump according to demand.

**Easy installation**
The booster unit is a compact solution, which makes it suitable for most installations. Simply connect your own pressure tank, inlet and outlet, and you have a fully operational booster unit.

**Great system comfort**
The diaphragm tank increases system comfort by limiting the switching frequency of the pump and compensating for pressure drops when a tap is opened. It also reduces problems with water hammer in the pipework.

**Motor protection**
The single-phase CM pump is effectively protected against any accidental overload, by built-in thermal and current protection. This means that no additional motor protection is required.

**Applications**
- Mains boosting
- Boosting from above ground water tanks
CM-PS

Operating Conditions

**System pressure**
Max. 10 bar

**Liquid temperature**
0 °C to +60 °C

**Ambient temperature**
Max. +60 °C

**Relative air humidity**
Max. 95 %

Technical Data

**Mains voltage**
1 x 240 V, 50 Hz
3 x 415 V, 50 Hz

**Enclosure class**
IP55

**Insulation class**
F

**Sound pressure level**
50-60 dB

**Start/stop frequency**
Max. 100 per hour

**Approvals and markings**
AS/NZ4020, CE

---

### Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Power (kW)</th>
<th>Dimensions</th>
<th>Connections</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMB 1-36</td>
<td>98244555</td>
<td>0.5</td>
<td>255 75 208 323 158</td>
<td>1” F 1” F</td>
<td>18.0</td>
</tr>
<tr>
<td>CMB 3-37</td>
<td>98244556</td>
<td>0.5</td>
<td>255 75 208 323 158</td>
<td>1” F 1” F</td>
<td>18.0</td>
</tr>
<tr>
<td>CMB 5-47</td>
<td>98117630</td>
<td>0.9</td>
<td>255 75 208 381 158</td>
<td>1” F 1 1/4” F</td>
<td>20.7</td>
</tr>
<tr>
<td>CMB 5-56</td>
<td>98117632</td>
<td>1.3</td>
<td>270 90 223 466.5 178</td>
<td>1” F 1 1/4” F</td>
<td>27.6</td>
</tr>
<tr>
<td>CMB 5-75</td>
<td>98117633</td>
<td>1.3</td>
<td>270 90 223 502.5 178</td>
<td>1” F 1 1/4” F</td>
<td>30.0</td>
</tr>
<tr>
<td>CMB 5-93</td>
<td>98117634</td>
<td>1.9</td>
<td>270 90 223 538.5 178</td>
<td>1” F 1 1/4” F</td>
<td>31.0</td>
</tr>
<tr>
<td>CMB 10-47</td>
<td>98117635</td>
<td>1.9</td>
<td>323 100 261 450 199</td>
<td>1 1/2” F 1 3/4” F</td>
<td>33.5</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Pressure Tank Rating</th>
<th>Capacity (L)</th>
<th>Max Pressure (kPa)</th>
<th>Connection Size (mm)</th>
<th>Mounting Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT-H-18</td>
<td>96528337</td>
<td>PN 10</td>
<td>18</td>
<td>1000</td>
<td>25 M</td>
<td>Pipe</td>
</tr>
<tr>
<td>GT-H-18</td>
<td>96528358</td>
<td>PN 16</td>
<td>18</td>
<td>1600</td>
<td>25 M</td>
<td>Pipe</td>
</tr>
<tr>
<td>GT-H-60</td>
<td>96528341</td>
<td>PN 10</td>
<td>60</td>
<td>1000</td>
<td>25 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-H-80</td>
<td>96894291</td>
<td>PN 10</td>
<td>80</td>
<td>1000</td>
<td>25 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-H-80</td>
<td>96528363</td>
<td>PN 16</td>
<td>80</td>
<td>1600</td>
<td>25 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-D-100</td>
<td>97527968</td>
<td>PN 10</td>
<td>100</td>
<td>1000</td>
<td>25 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-D-130</td>
<td>96528344</td>
<td>PN 10</td>
<td>130</td>
<td>1000</td>
<td>25 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-D-200</td>
<td>97792897</td>
<td>PN 10</td>
<td>170</td>
<td>1000</td>
<td>32 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-D-240</td>
<td>96528346</td>
<td>PN 10</td>
<td>240</td>
<td>1000</td>
<td>32 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-D-300</td>
<td>96528347</td>
<td>PN 10</td>
<td>300</td>
<td>1000</td>
<td>32 F</td>
<td>Free Standing</td>
</tr>
<tr>
<td>GT-D-450</td>
<td>96528348</td>
<td>PN 10</td>
<td>450</td>
<td>1000</td>
<td>32 F</td>
<td>Free Standing</td>
</tr>
</tbody>
</table>

Note: Recommended tank size is dependant on application. To avoid rapid cycling Grundfos recommends the following tank sizes:

CM1 > 80 L  
CM3 > 200 L  
CM5 > 300 L  
CM10 - 450 L

---

grundfos.com.au  8
The Grundfos CMBasic is a compact booster pump designed for domestic and light industrial use. The booster unit consists of a Grundfos CM cast iron pump and PM1 pressure manager. The pressure manager allows the pump to start and stop automatically according to demand and protects the pump from dry running.

Features

**Robust design**
All moving parts are made from high quality, corrosion resistant stainless steel to ensure the longest life possible.

**User-friendly interface**
The pump features a user-friendly interface with LED indicators displaying power status, pump running, and alarm indication.

**Protective functions**
The pump incorporates a range of protective features such as dry run protections, thermal overload protection, cycling alarm and maximum continuous operation time - 30 mins (excluding CMBasic 1-36) to protect the pump and ensure a long life.

**Easy installation**
The booster unit is a compact solution, which makes it suitable for most installations. Simply connect the inlet and outlet, and you have a fully operational booster unit.

**Integrated non-return valve**
Non-return valve for backflow prevention.

Applications

- Mains boosting
- Household water supply
- Boosting from above ground water tanks
- Light industrial use
CMBasic

Operating Conditions

System pressure
Max. 10 bar

Liquid temperature
0 °C to +60 °C

Ambient temperature
Max. +55 °C

Relative air humidity
Max. 95%

Technical Data

Mains voltage
1 x 240 V, 50 Hz

Enclosure class
IP55

Insulation class
F

Sound pressure level
50-60 dB

Start/stop frequency
Max. 100 per hour

Approvals and markings
CE

Performance

Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th>Power (kW)</th>
<th>Dimensions</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMBasic 1-36</td>
<td>97530097</td>
<td>0.5</td>
<td>1&quot; F</td>
<td>1&quot; F</td>
</tr>
<tr>
<td>CMBasic 3-37</td>
<td>97530133</td>
<td>0.5</td>
<td>1&quot; F</td>
<td>1&quot; F</td>
</tr>
<tr>
<td>CMBasic 5-46</td>
<td>97530169</td>
<td>0.9</td>
<td>1&quot; F</td>
<td>1¼&quot; F</td>
</tr>
</tbody>
</table>