

**Qty. Description**

1 CMB 3-46 A-C-A-A-B-A



Note! Product picture may differ from actual product

Product No.: [97530142](#)

The Grundfos CM Booster with PM1 pressure manager is a compact booster set for water supply in domestic applications. The pressure booster unit consists of a Grundfos CM pump and a Grundfos PM1 pressure manager. The pressure manager allows the pump to start and stop automatically according to demand and protects the pump from dry running.

The Grundfos CM Booster is very easy to install. When the system has been connected to the pipes, it is all a matter of inserting the plug into a power supply socket, and the system is operational.

The Grundfos CM Booster with PM1 is mainly used for domestic and light commercial water supply or booster systems.

NB:

Suction lift: maximum 1 m, including inlet pipe pressure loss at a liquid temperature of 20 °C (not self-priming).

Controls:

Type of connector: Type I (AS/NZS 3112)

Liquid:

Pumped liquid: Water  
 Liquid temperature range: 0 .. 60 °C  
 Selected liquid temperature: 20 °C  
 Density: 998.2 kg/m<sup>3</sup>

Technical:

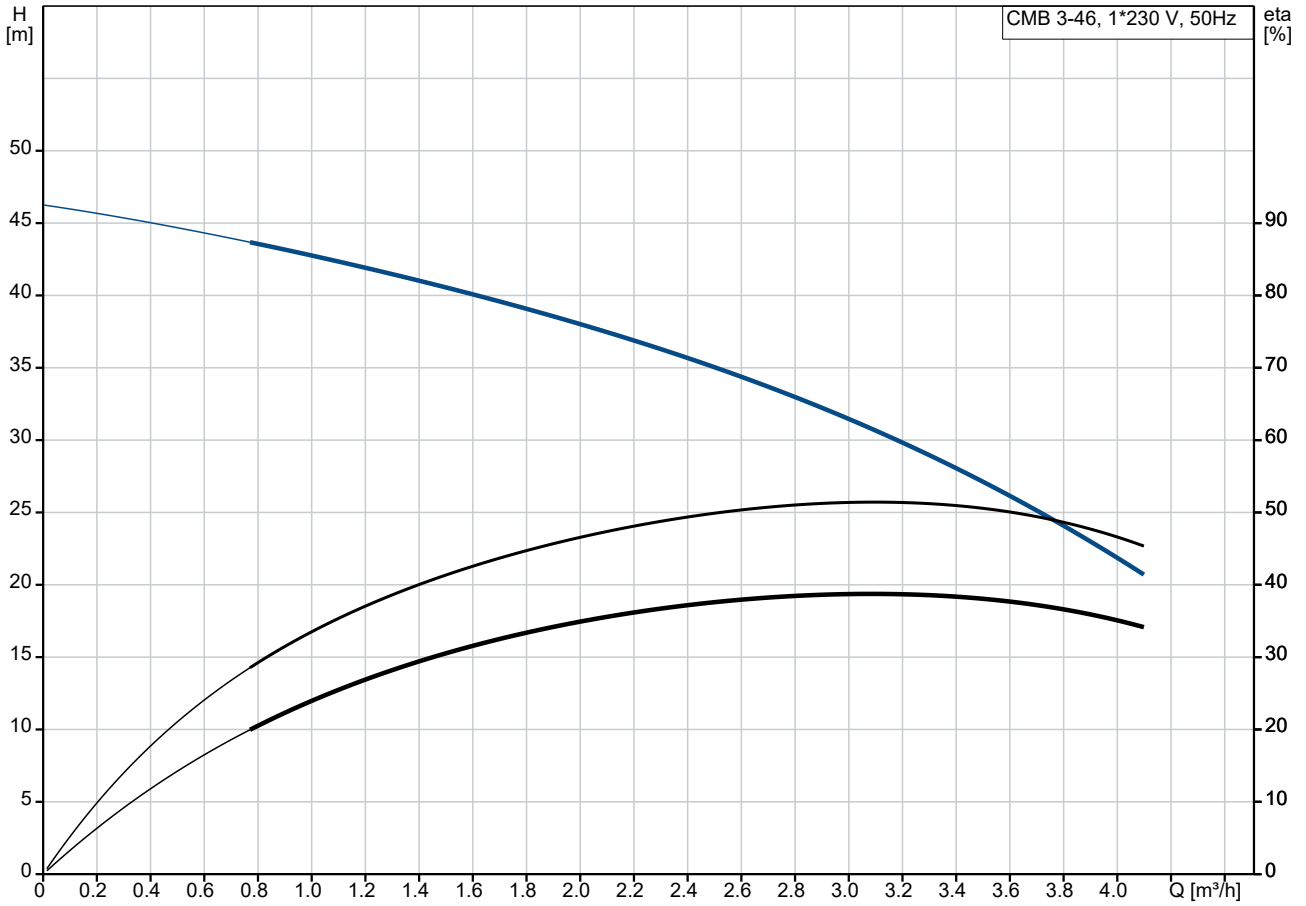
Pump speed on which pump data are based: 2900 rpm  
 Rated flow: 3.1 m<sup>3</sup>/h  
 Rated head: 30.5 m  
 Code for shaft seal: AVBE  
 Approvals: CE,RCM  
 Return valve: YES  
 Start pressure: PM1 - 2.2 bar  
 Tank volume: NONE I

Materials:

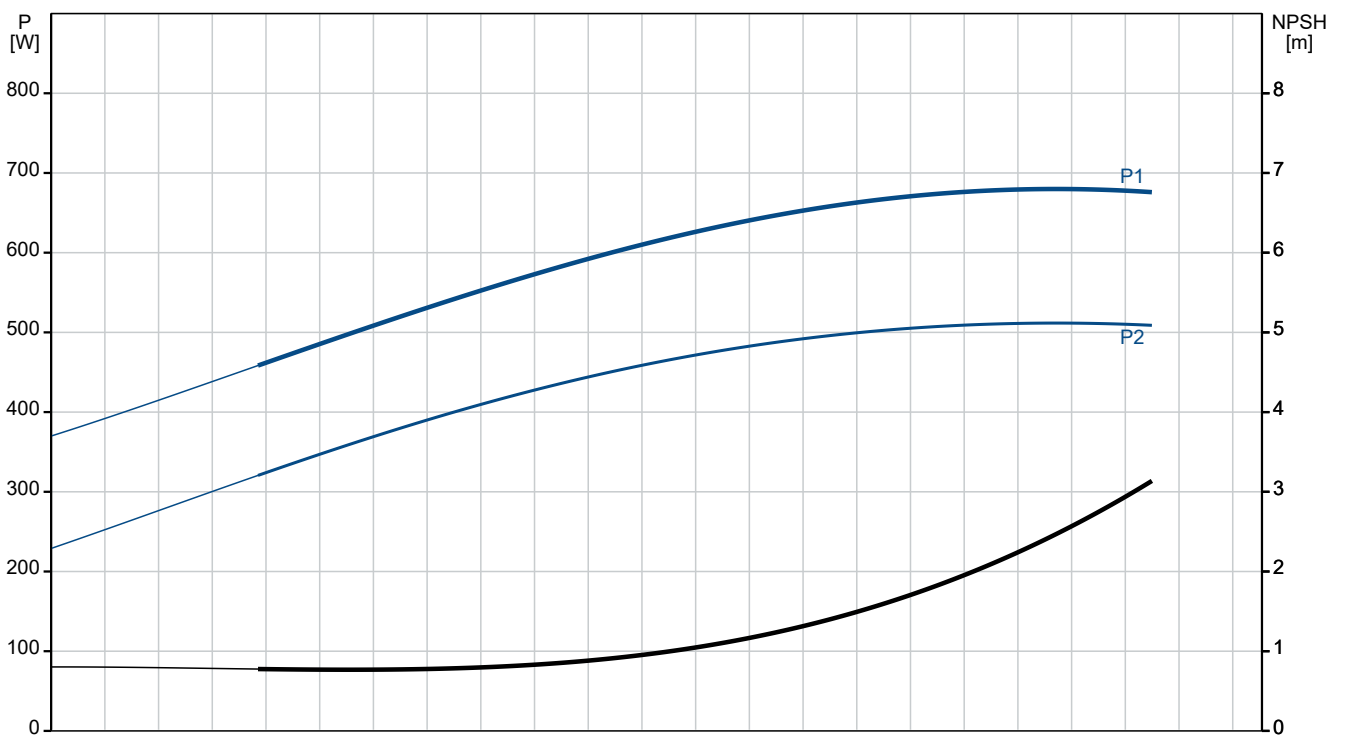
Pump housing: Cast iron  
 EN 1561 EN-GJL-200  
 ASTM A48-30B  
 Impeller: Stainless steel

Qty.	Description
1	<p data-bbox="568 342 679 365">EN 1.4301</p> <p data-bbox="568 371 660 394">AISI 304</p> <p data-bbox="204 434 325 456">Installation:</p> <p data-bbox="204 463 628 486">Maximum ambient temperature: 55 °C</p> <p data-bbox="204 492 636 515">Maximum operating pressure: 10 bar</p> <p data-bbox="204 521 675 544">Pipe connection standard: ISO 228-1</p> <p data-bbox="204 551 596 573">Type of inlet connection: Rp</p> <p data-bbox="204 580 584 602">Type of outlet connection: G</p> <p data-bbox="204 609 576 631">Size of inlet connection: 1</p> <p data-bbox="204 638 576 660">Size of outlet connection: 1</p> <p data-bbox="204 667 635 689">Pressure rating for connection: PN 10</p> <p data-bbox="204 734 360 757">Electrical data:</p> <p data-bbox="204 763 643 786">Rated power - P2: 0.5 kW</p> <p data-bbox="204 792 632 815">Mains frequency: 50 Hz</p> <p data-bbox="204 822 718 844">Rated voltage: 1 x 220-230 V</p> <p data-bbox="204 851 692 873">Maximum current consumption: 3.30-3.15 A</p> <p data-bbox="204 880 730 902">Rated speed: 2750-2780 rpm</p> <p data-bbox="204 909 619 931">Enclosure class (IEC 34-5): IP55</p> <p data-bbox="204 938 580 960">Insulation class (IEC 85): F</p> <p data-bbox="204 967 643 990">Built-in motor protection: TP 211</p> <p data-bbox="204 996 628 1019">Length of cable: 1.5 m</p> <p data-bbox="204 1025 727 1048">Power plug: Australian plug</p> <p data-bbox="204 1093 284 1115">Others:</p> <p data-bbox="204 1122 647 1144">Net weight: 13.8 kg</p> <p data-bbox="204 1151 647 1173">Gross weight: 17.6 kg</p> <p data-bbox="204 1180 603 1202">Country of origin: CN</p> <p data-bbox="204 1209 639 1232">Environmental approvals: WEEE</p>

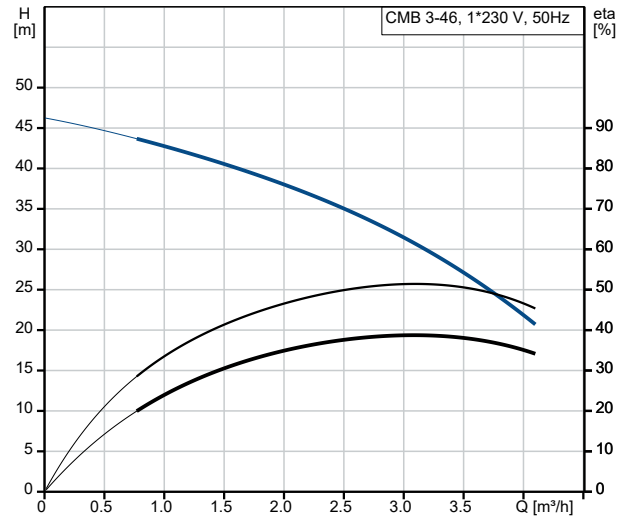
## 97530142 CMB 3-46 A-C-A-A-B-A 50 Hz



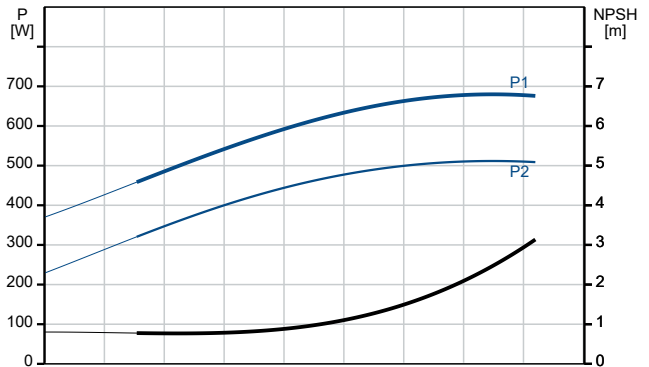
Pumped liquid = Water  
 Liquid temperature during operation = 20 °C  
 Density = 998.2 kg/m³



Description	Value
<b>General information:</b>	
Product name:	CMB 3-46 A-C-A-A-B-A
Product No:	97530142
EAN number:	5700317867161
Price:	AUD 1180
<b>Technical:</b>	
Pump speed on which pump data are based:	2900 rpm
Rated flow:	3.1 m <sup>3</sup> /h
Rated head:	30.5 m
Impellers:	5
Code for shaft seal:	AVBE
Approvals:	CE,RCM
Model:	B
Return valve:	YES
Start pressure:	PM1 - 2.2 bar
Tank volume:	NONE I
<b>Materials:</b>	
Pump housing:	Cast iron
Pump housing:	EN 1561 EN-GJL-200
Pump housing:	ASTM A48-30B
Impeller:	Stainless steel
Impeller:	EN 1.4301
Impeller:	AISI 304
Code for rubber:	EPDM
<b>Installation:</b>	
Maximum ambient temperature:	55 °C
Maximum operating pressure:	10 bar
Pipe connection standard:	ISO 228-1
Type of inlet connection:	Rp
Type of outlet connection:	G
Size of inlet connection:	1
Size of outlet connection:	1
Pressure rating for connection:	PN 10
<b>Liquid:</b>	
Pumped liquid:	Water
Liquid temperature range:	0 .. 60 °C
Selected liquid temperature:	20 °C
Density:	998.2 kg/m <sup>3</sup>
<b>Electrical data:</b>	
Rated power - P2:	0.5 kW
Mains frequency:	50 Hz
Rated voltage:	1 x 220-230 V
Maximum current consumption:	3.30-3.15 A
Rated speed:	2750-2780 rpm
Enclosure class (IEC 34-5):	IP55
Insulation class (IEC 85):	F
Built-in motor protection:	TP 211
Length of cable:	1.5 m
Power plug:	Australian plug
<b>Controls:</b>	
Type of connector:	Type I (AS/NZS 3112)
<b>Others:</b>	
Net weight:	13.8 kg
Gross weight:	17.6 kg
Sales region:	Australia
Country of origin:	CN



Pumped liquid = Water  
 Liquid temperature during operation = 20 °C  
 Density = 998.2 kg/m<sup>3</sup>





Company name:

Created by:

Phone:

Date:

25/01/2024

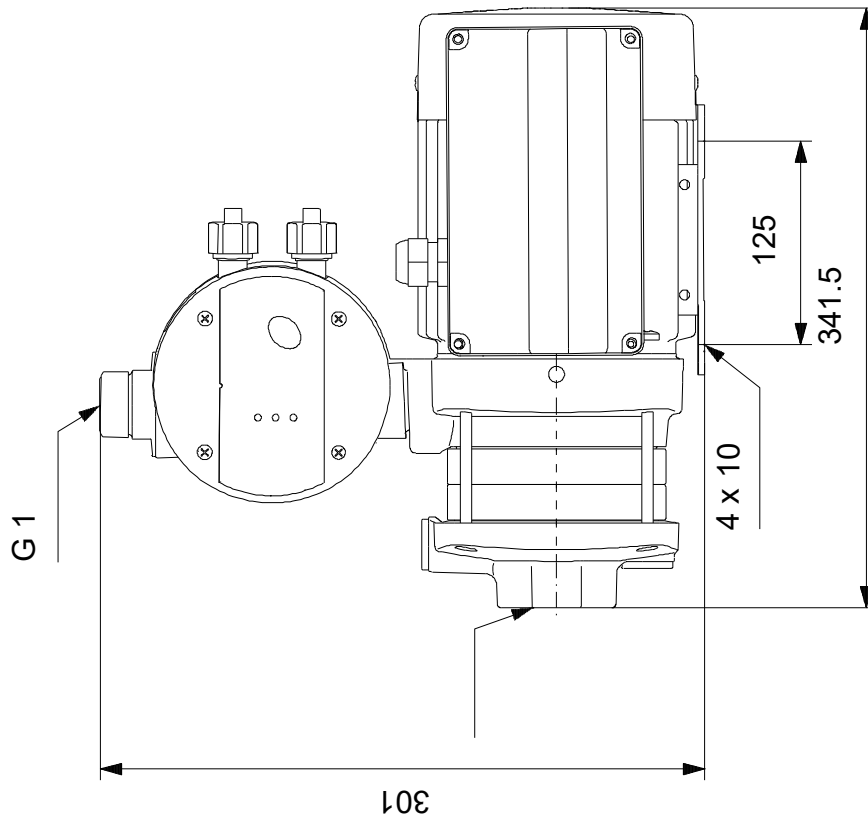
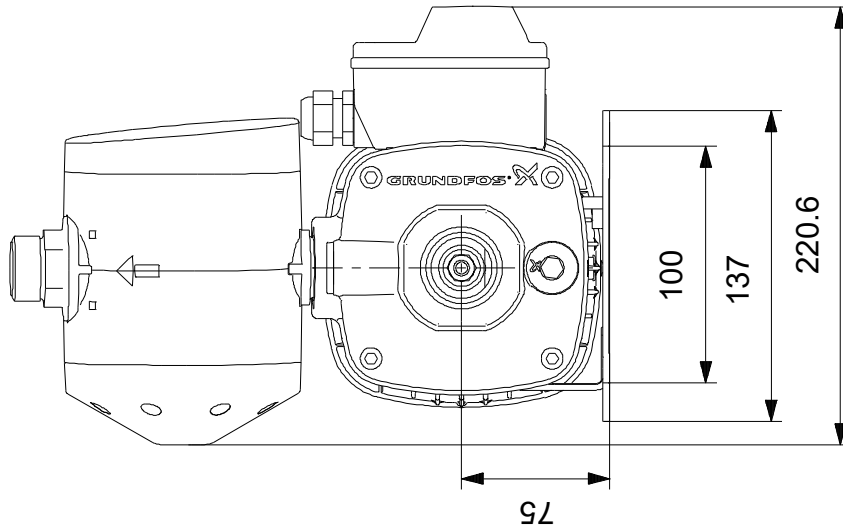
**Description**

**Value**

Environmental approvals:

WEEE

## 97530142 CMB 3-46 A-C-A-A-B-A 50 Hz



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

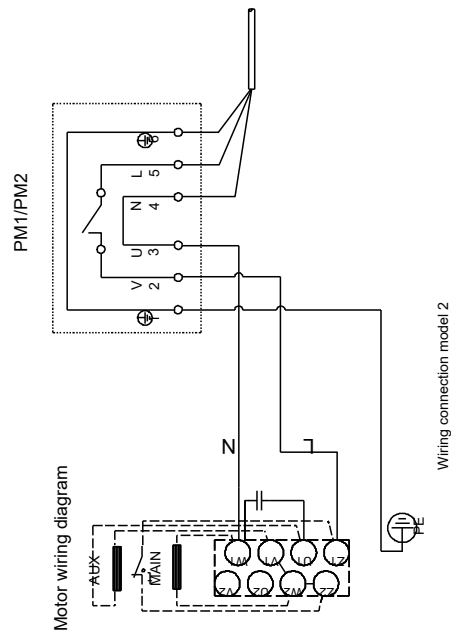
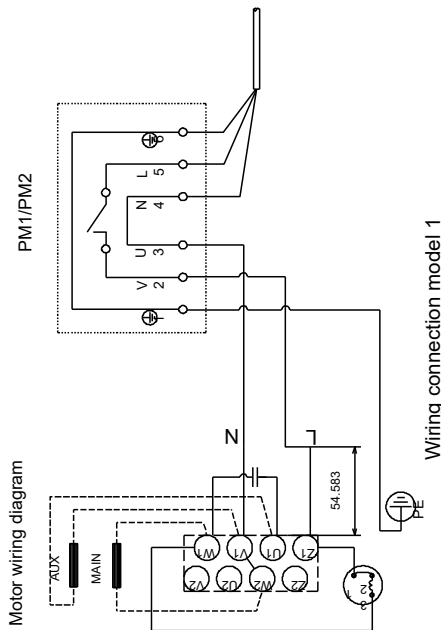
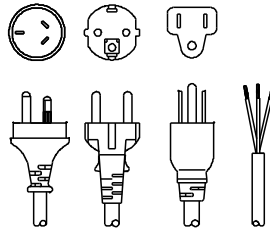
## 97530142 CMB 3-46 A-C-A-A-B-A 50 Hz

Australian plug: IEC type I,  
AS/NZS3112, 1,5 m

Schuko plug: IEC Type E&F,  
CEE7/7, 1,5 m

US plug: IEC type B, NEMA  
5-15P, 1,5 m

NO PLUG, 1,5 m



Note! All units are in [mm] unless others are stated.