CM Booster Range

Industrial quality pumps for the home and garden

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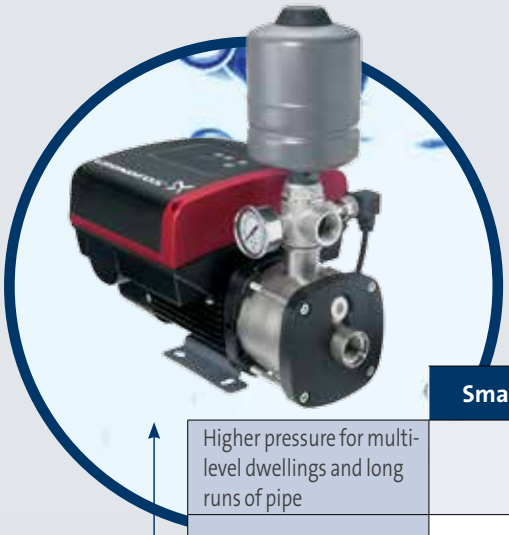
GRUNDFOS

Which pump do I need?

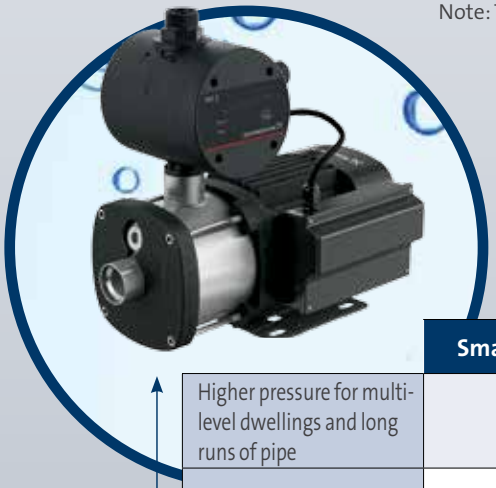


CME Booster

PRESSURE	Small Houses	Medium Houses	Large Houses	
Higher pressure for multi-level dwellings and long runs of pipe			CMBE 3-62	CMBE 5-62
High pressure for double story dwellings and long runs of pipe	CMBE 1-44			
Adequate pressure for most single story dwellings				
	Small to average size homes **2 - 3 Taps**	Average size homes (1 bathroom only) **3 - 4 Taps**	Large homes (more than 1 bathroom) **4 - 5 Taps**	Large homes and capacity for garden applications **5 - 7 Taps**

Note: Taps are 15 Lpm at 22.5 m head

FLOW



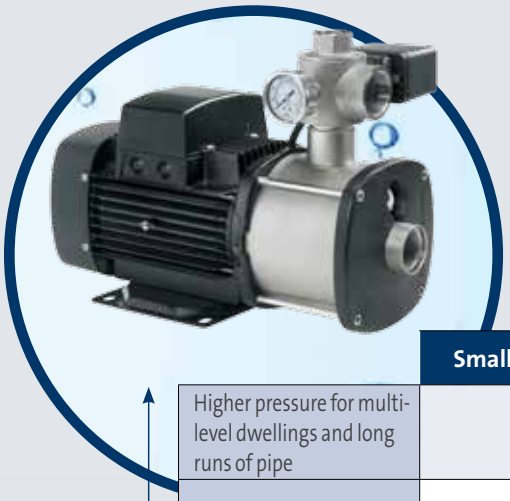
CM Booster Self-Priming

PRESSURE	Small Houses	Medium Houses	Large Houses	
Higher pressure for multi-level dwellings and long runs of pipe		CMB-SP 3-47	CMB-SP 3-56	CMB-SP 5-47
High pressure for double story dwellings and long runs of pipe	CMB-SP 1-36	CMB-SP 3-37		
Adequate pressure for most single story dwellings	CMB-SP 3-27		CMB-SP 5-28	
	Small to average size homes **2 - 3 Taps**	Average size homes (1 bathroom only) **3 - 4 Taps**	Large homes (more than 1 bathroom) **4 - 5 Taps**	Large homes and capacity for garden applications **5 - 7 Taps**

Note: Taps are 15 Lpm at 22.5 m head

FLOW

Which pump do I need?

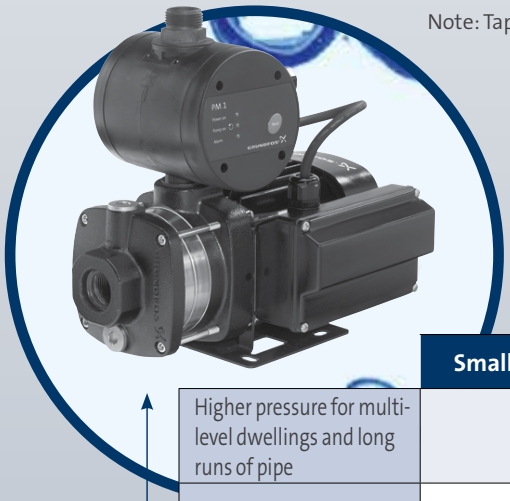


CM-PS

PRESSURE	Small Houses	Medium Houses	Large Houses	
Higher pressure for multi-level dwellings and long runs of pipe				CM-PS 5-47
High pressure for double story dwellings and long runs of pipe	CM-PS 1-36	CM-PS 3-37		
Adequate pressure for most single story dwellings				
	Small to average size homes **2 - 3 Taps**	Average size homes (1 bathroom only) **3 - 4 Taps**	Large homes (more than 1 bathroom) **4 - 5 Taps**	Large homes and capacity for garden applications **5 - 7 Taps**

Note: Taps are 15 Lpm at 22.5 m head

FLOW



CMBasic

PRESSURE	Small Houses	Medium Houses	Large Houses	
Higher pressure for multi-level dwellings and long runs of pipe				CMBasic 5-47
High pressure for double story dwellings and long runs of pipe	CMBasic 1-36	CMBasic 3-37		
Adequate pressure for most single story dwellings				
	Small to average size homes **2 - 3 Taps**	Average size homes (1 bathroom only) **3 - 4 Taps**	Large homes (more than 1 bathroom) **4 - 5 Taps**	Large homes and capacity for garden applications **5 - 7 Taps**

Note: Taps are 15 Lpm at 22.5 m head

FLOW

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.

2 YEAR WARRANTY

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.

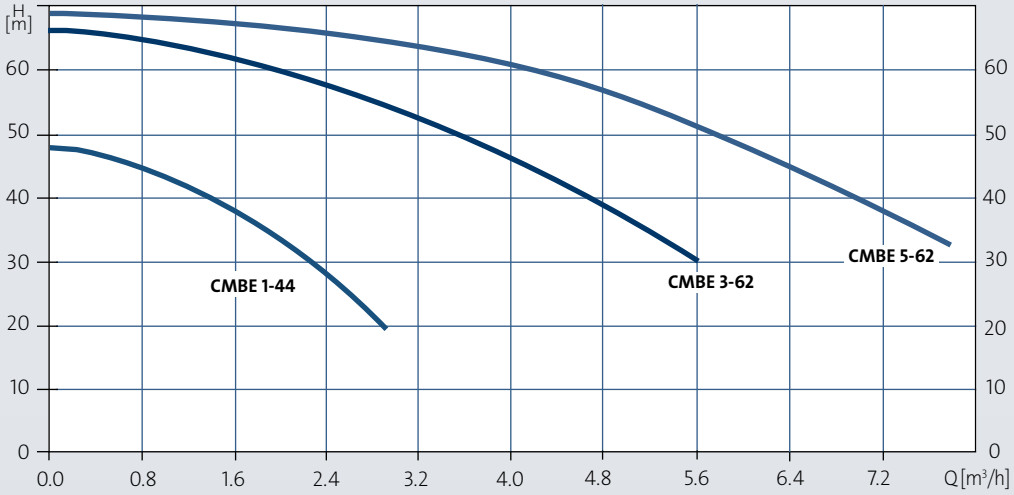
User-friendly interface
The user-friendly interface features LED indicators showing operational status and buttons for pressure adjustment.

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



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

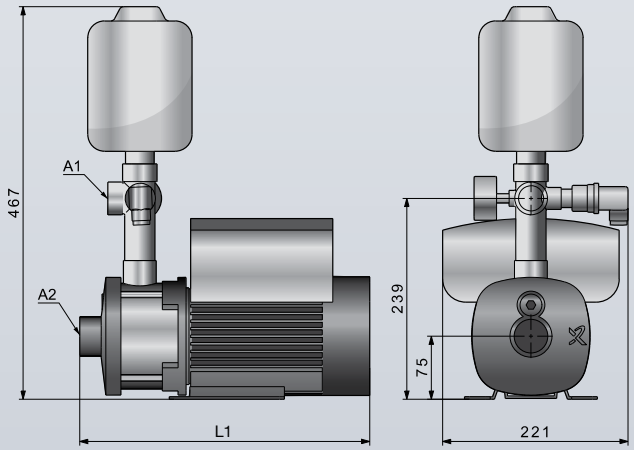
Enclosure class
IP55

Insulation class
F

Sound pressure level
< 55 dBa

Approvals and markings
ASNZ4020, CE

Dimensions



Model	Part Number	Power (kW)	Dimensions			Weight (kg)
			A1	A2	L1 (mm)	
CMBE 1-44	98374705	0.55	1" F	1" F	345	16.1
CMBE 3-62	98374709	1.1	1" F	1" F	345	17.4
CMBE 5-62	98374712	1.5	1" F	1 ¼" F	345	18.8

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.

2 YEAR WARRANTY

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.

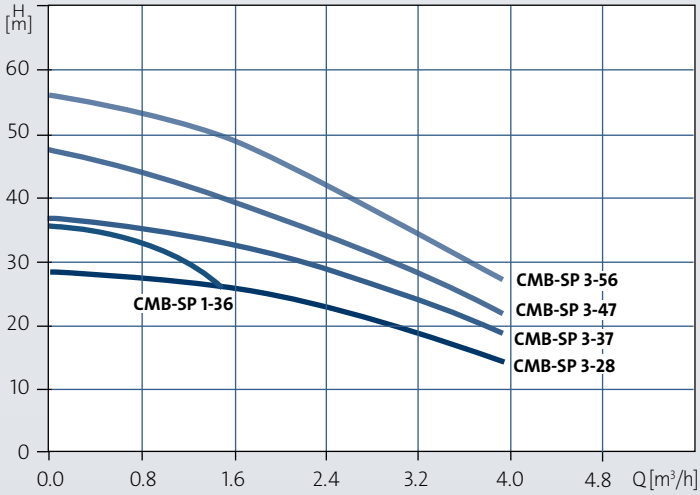
Integrated non-return valve
Non-return valve for backflow prevention.

Applications

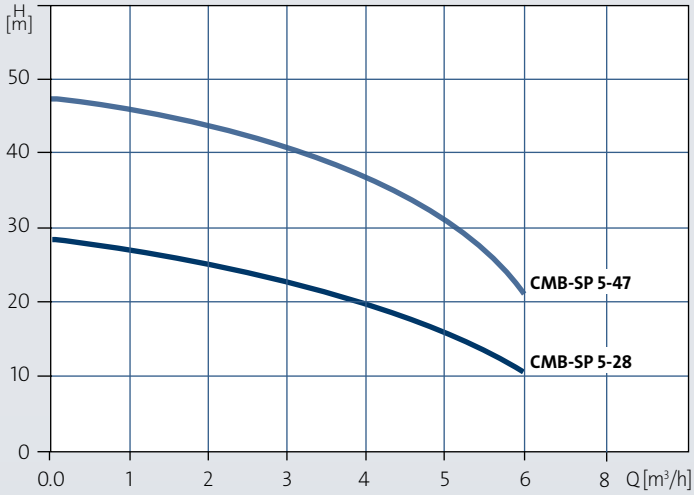
- Mains boosting
- Household water supply
- Boosting from above ground water tanks
- Boosting from below ground water sources e.g. below ground tank/dam
- Light industrial use

Performance

CMB-SP 1 & CMB-SP 3



CMB-SP 5



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

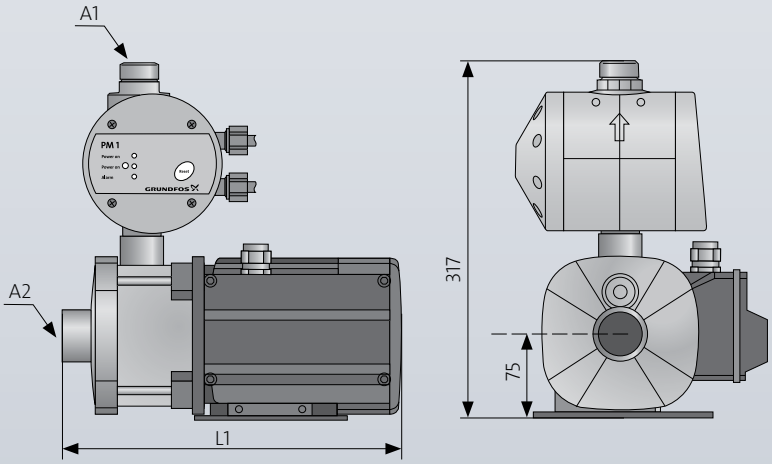
Insulation class
F

Sound pressure level
< 55 dBa

Start/stop frequency
Max. 100 per hour

Approvals and markings
ASNZ4020, CE

Dimensions



Model	Part Number	Power (kW)	Dimensions			Weight (kg)
			A1	A2	L1 (mm)	
CMB-SP 1-36	98507562	0.5	1" F	1" F	377	14.1
CMB-SP 3-28	98507627	0.5	1" F	1" F	377	13.7
CMB-SP 3-37	98507628	0.5	1" F	1" F	377	14.1
CMB-SP 3-47	98507629	0.5	1" F	1" F	413	14.4
CMB-SP 3-56	98507630	0.67	1" F	1" F	453	16.4
CMB-SP 5-28	98507635	0.5	1" F	1 ¼" F	377	13.7
CMB-SP 5-47	98507636	0.9	1" F	1 ¼" F	453	16.9

CM-PS

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.

2 YEAR WARRANTY

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.

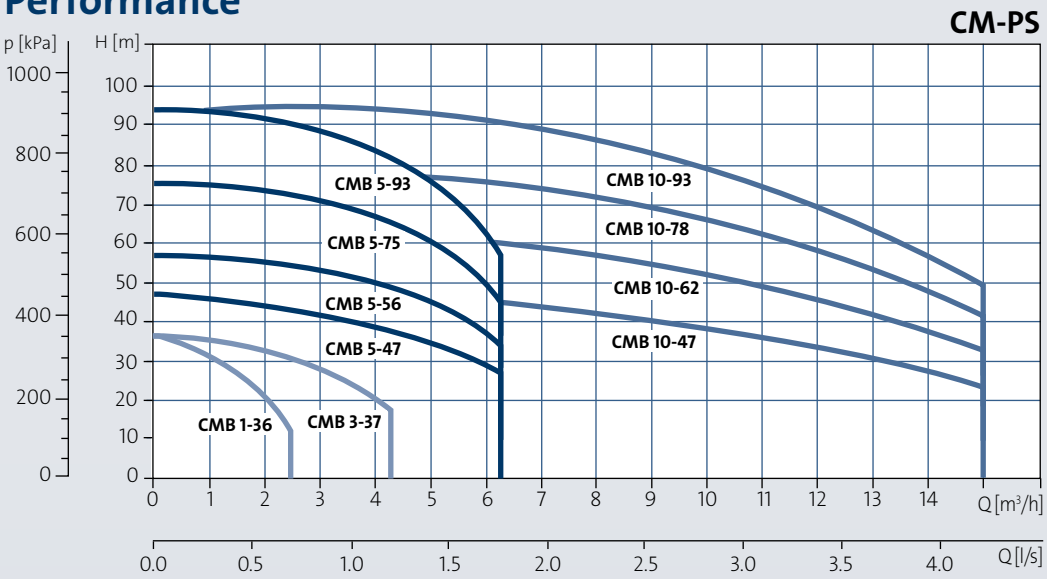
Great system comfort
The diaphragm tank increases system comfort by limiting the switching frequency of the pump and compensating for pressure drops when a tap is opened. It also reduces problems with water hammer in the pipework.

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.

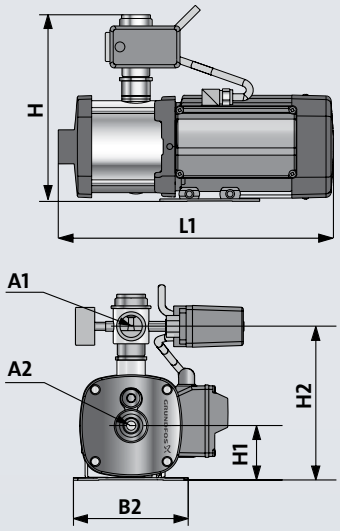
Applications

- Mains boosting
- Boosting from above ground water tanks

Performance



Dimensions



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
ASNZ4020, CE

Model	Part Number	Power (kW)	Dimensions					Connections		Weight (kg)
			H	H1	H2	L1	B2	A1	A2	
1 x 240 V, 50 Hz										
CMB 1-36	98244555	0.5	255	75	208	323	158	1 " F	1 " F	18.0
CMB 3-37	98244556	0.5	255	75	208	323	158	1 " F	1 " F	18.0
CMB 5-47	98117630	0.9	255	75	208	381	158	1 " F	1 ¼" F	20.7
CMB 5-56	98117632	1.3	270	90	223	466.5	178	1 " F	1 ¼" F	27.6
CMB 5-75	98117633	1.3	270	90	223	502.5	178	1 " F	1 ¼" F	30.0
CMB 5-93	98117634	1.9	270	90	223	538.5	178	1 " F	1 ¼" F	31.0
CMB 10-47	98117635	1.9	323	100	261	450	199	1 ½" F	1 ½" F	33.5
3 x 415 V, 50 Hz										
CMB 5-47	98117636	1.2	255	75	208	401	158	1 " F	1 ¼" F	22.0
CMB 5-56	98117637	1.2	255	75	208	437	158	1 " F	1 ¼" F	22.3
CMB 5-75	98117638	1.58	270	90	223	502.5	178	1 " F	1 ¼" F	30.0
CMB 5-93	98117639	2.2	270	90	223	578.5	178	1 " F	1 ¼" F	31.0
CMB 10-47	98117640	2.2	323	100	261	490	199	1 ½" F	1 ½" F	33.0
CMB 10-62	98117641	3.2	323	100	261	537	199	1 ½" F	1 ½" F	36.0
CMB 10-78	98117642	3.2	323	100	261	597	199	1 ½" F	1 ½" F	36.0
CMB 10-93	98117643	4	323	100	261	597	199	1 ½" F	1 ½" F	39.0

Model	Part Number	Pressure Tank Rating	Capacity (L)	Max Pressure (kPa)	Connection Size (mm)	Mounting Type
GT-H-18	96528337	PN 10	18	1000	25 M	Pipe
GT-H-18	96528358	PN16	18	1600	25 M	Pipe
GT-H-60	96528341	PN 10	60	1000	25 F	Free Standing
GT-H-80	96894291	PN 10	80	1000	25 F	Free Standing
GT-H-80	96528363	PN16	80	1600	25 F	Free Standing
GT-D-100	97527968	PN 10	100	1000	25 F	Free Standing
GT-D-130	96528344	PN 10	130	1000	25 F	Free Standing
GT-D-200	97792897	PN 10	170	1000	32 F	Free Standing
GT-D-240	96528346	PN 10	240	1000	32 F	Free Standing
GT-D-300	96528347	PN 10	300	1000	32 F	Free Standing
GT-D-450	96528348	PN 10	450	1000	32 F	Free Standing

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

CMBasic

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.

2 YEAR WARRANTY

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.

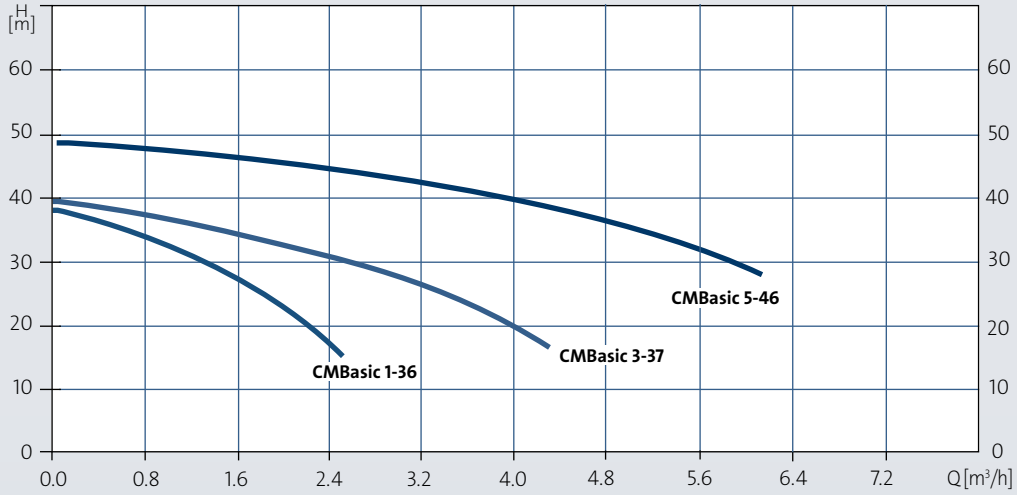
Easy installation
The booster unit is a compact solution, which makes it suitable for most installations. Simply connect the inlet and outlet, and you have a fully operational booster unit.

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

Performance



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

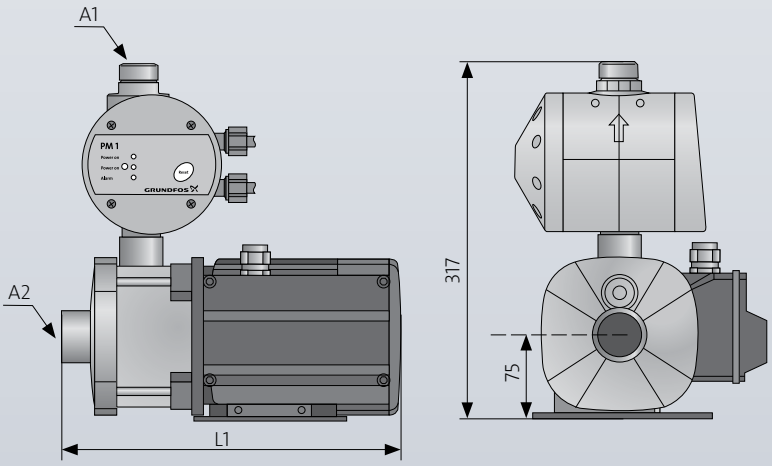
Insulation class
F

Sound pressure level
50-60 dB

Start/stop frequency
Max. 100 per hour

Approvals and markings
CE

Dimensions



Model	Part Number	Power (kW)	Dimensions			Weight (kg)
			A1	A2	L1 (mm)	
CMBasic 1-36	97530097	0.5	1" F	1" F	323	13.3
CMBasic 3-37	97530133	0.5	1" F	1" F	323	13.3
CMBasic 5-46	97530169	0.9	1" F	1 ¼" F	381	16.0

be think innovate

Being responsible is our foundation
Thinking ahead makes it possible
Innovation is the essence

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