

# 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.



## 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 pump is effectively protected against any accidental overload, by built-in thermal and current protection. This means that no additional motor protection is required.

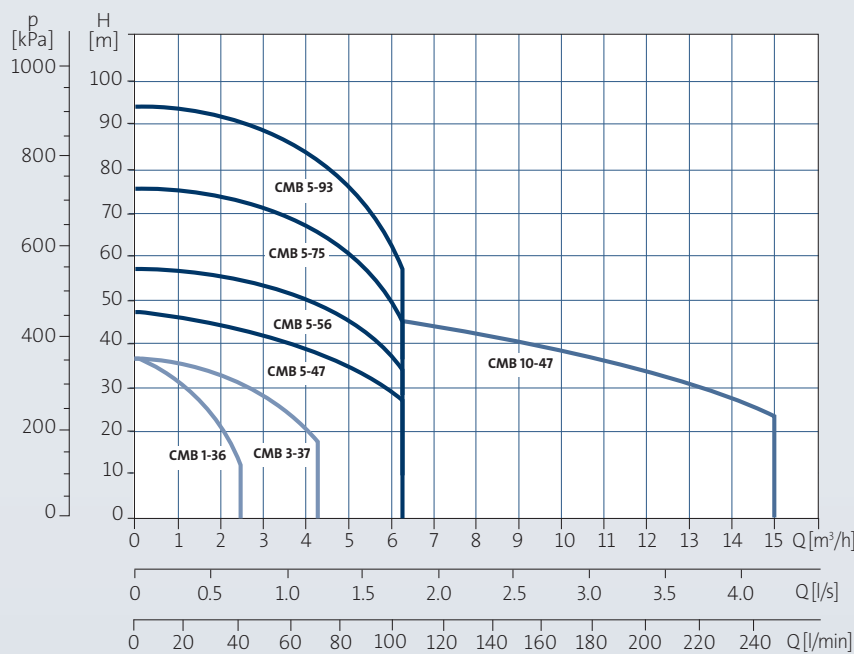
## APPLICATIONS

- Mains boosting
- Boosting from above ground water tanks

Model	Connection size (mm)	Capcacity (L)	Mounting type	Max pressure (kPa)
GT-H-18 PN10 G1 V	1" M	18	Pipe	1000
GT-H-18 PN16 G1 V	1" M	18	Pipe	1600
GT-H-60 PN10 G1 V	1" F	60	Free standing	1000
GT-H-80 PN10 G1 V	1" F	80	Free standing	1000
GT-H-80 PN16 G1 V	1" F	80	Free standing	1600
GT-H-100 PN10 G1 V	1" F	100	Free standing	1000
GT-D-130 PN10 G1 V	1" F	130	Free standing	1000
GT-D-200 PN10 G1 1/4 V	1¼" F	170	Free standing	1000
GT-D-240 PN10 G1 1/4 V	1¼" F	240	Free standing	1000
GT-D-300 PN10 G1 1/4 V	1¼" F	300	Free standing	1000
GT-D-450 PN10 G1 1/4 V	1¼" F	450	Free standing	1000

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

PERFORMANCE



OPERATING CONDITIONS

System pressure

Max. 10 bar

Liquid temperature

0 °C to 60 °C

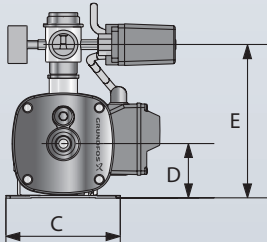
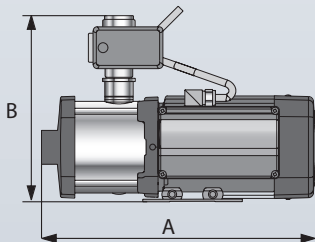
Ambient temperature

Max. 60 °C

Relative air humidity

Max. 95 %

DIMENSIONS



Model	Power (kW)	Connections		Dimensions (mm)					Weight (kg)
		Outlet	Inlet	A	B	C	D	E	
CMB 1-36	0.5	1" F	1" F	323	255	158	75	208	18.0
CMB 3-37	0.5	1" F	1" F	323	255	158	75	208	18.0
CMB 5-47	0.9	1" F	1½" F	381	255	158	75	208	20.7
CMB 5-56	1.3	1" F	1½" F	466.5	270	178	90	223	27.6
CMB 5-75	1.3	1" F	1½" F	502.5	270	178	90	223	30.0
CMB 5-93	1.9	1" F	1½" F	538.5	270	178	90	223	31.0
CMB 10-47	1.9	1½" F	1½" F	450	323	199	100	261	33.5

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

ASNZ4020, CE