

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)	Capacity (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	1 1/4" F	170	Free standing	1000
GT-D-240 PN10 G1 1/4 V	1 1/4" F	240	Free standing	1000
GT-D-300 PN10 G1 1/4 V	1 1/4" F	300	Free standing	1000
GT-D-450 PN10 G1 1/4 V	1 1/4" F	450	Free standing	1000

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

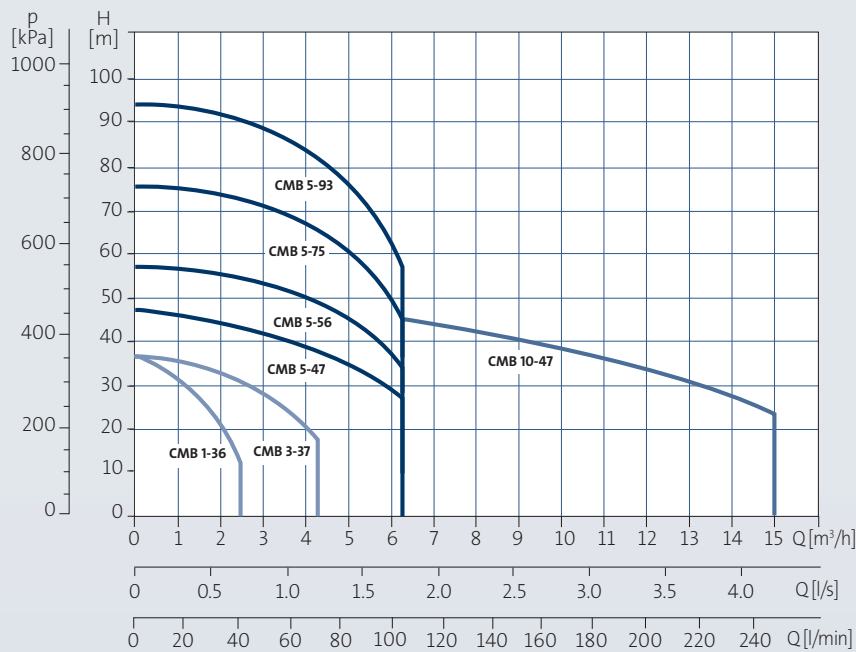
CM1 > 80 L

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 %

TECHNICAL DATA

Mains voltage

1 x 240 V, 50 Hz

Enclosure class

IP55

Insulation class

F

Sound pressure level

50-60 dB

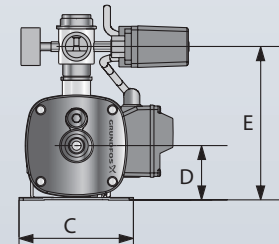
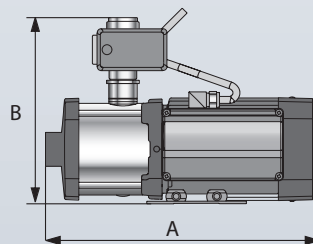
Start/stop frequency

Max. 100 per hour

Approvals and markings

ASNZ4020, CE

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	1¼" F	381	255	158	75	208	20.7
CMB 5-56	1.3	1" F	1¼" F	466.5	270	178	90	223	27.6
CMB 5-75	1.3	1" F	1¼" F	502.5	270	178	90	223	30.0
CMB 5-93	1.9	1" F	1¼" 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