

The Grundfos Home Booster cold water booster set is designed for use in domestic and light commercial premises for pressure boosting where the existing water supply is insufficient to meet the demand requirements. It has been developed to provide a compact and cost-effective solution for many small to medium pressure boosting applications.

All Grundfos products are built to the very highest standards, and as you would expect from Grundfos, the unit features a high quality stainless steel pump for efficiency, sustained performance levels and long working life and up to date control technology.

Installation could not be simpler, with only mains cold water, discharge pipework and electrical connections to be made.

The Home Booster model is suitable for most domestic installations with up to four bathrooms with standard fittings. The unit is self contained and with its compact size makes it ideal for domestic installations where space is at a premium.

The Home Booster features an integral storage tank which meets the Water Byelaws air gap regulations, and all materials in contact with water are WRAS approved.



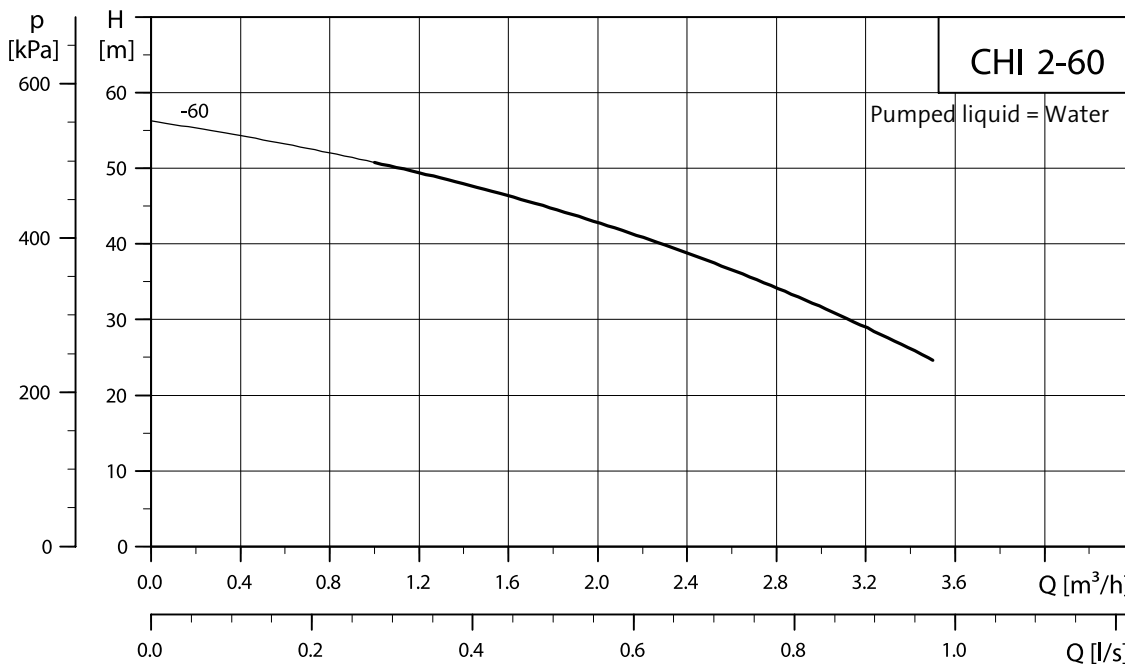
## FEATURES AND BENEFITS

- Integrated 200 litre storage tank
- All materials in contact with water are WRAS approved
- Microprocessor controlled
- Tamper proof controls
- Adjustable pressure setting in 0.1 bar increments

## Electrical Data 1ph 240V 50Hz

MODEL	Full Load Current Amps	Locked Rotor Current Amps	Input Power Watts	Capacity Rating
CHI 2-60	4.0	11.0	940	16µF/400V

## PERFORMANCE CURVE



## DESCRIPTION

The Home Booster is a single pump booster set with integral cold water storage tank with a nominal capacity of 200 litres and is fitted with a low level float. There is provision for adding an additional tank. Two or more units can be operated together as part of a modular solution giving larger capacity and a standby pump. The unit is microprocessor controlled, with display and keypad from a pressure transducer. A status light indicates healthy or fault conditions, an audible alarm is given on fault, and a volt free change over contact is available for remote indication if required.



## OPERATION

The Home Booster is microprocessor controlled. The discharge pressure is monitored by a pressure transducer, which compares the pressure to the user adjustable pressure values for cut-in and out. The pump is started if a demand causes the system pressure to fall to the cut-in value. The pump will continue to run until the cut-out pressure is reached, and then stops after a small run on delay to prevent pump cycling. The 8 litre pressure vessel makes up for small water demands thereby preventing unnecessary pump starts.



The actual pressure and any fault indications appear on the front panel display

## MAXIMUM OPERATING CONDITIONS

The Grundfos Home Booster unit has been designed for:

Liquid temperature range	:3 to +40°C
Ambient temperature	:up to +40°C
Relative Humidity	:up to 95%
Maximum operating pressure	:5.5 Bar
Recommended maximum start/stop per hour	:20 - 30

## INSTALLATION

1. The unit should be sited in a dry, well ventilated but frost-free position where it will not be subjected to extremes of temperature.
2. The environment should be non-aggressive and the atmosphere non-explosive.
3. Ensure that there is sufficient clearance around the unit to allow maintenance operations to take place without obstruction.
4. To enable maintenance and service of the unit the area should have adequate lighting for this work to be carried out safely.
5. The pipe work installation of the unit should be in accordance with local water authority regulations.
6. It is not recommended to fit the Home Booster unit in the loft unless adequate protection is made in case of water leakage.

## FOUNDATION

The Home Booster unit should be installed on a concrete base, which is both horizontal and flat to avoid distortion of the base. Please allow adequate access to the unit should service work be required.

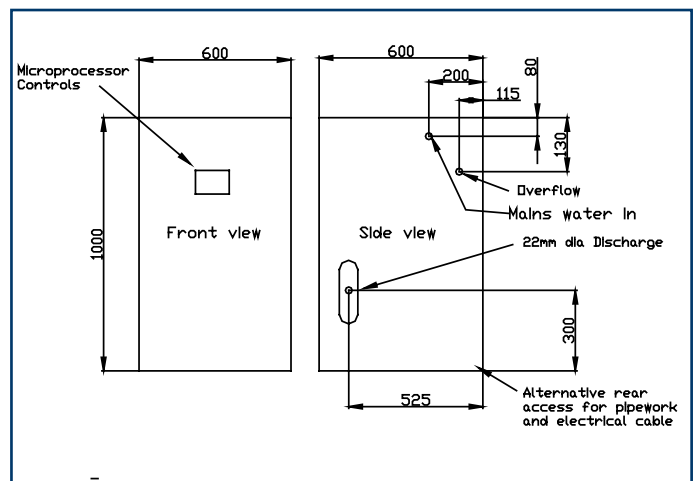
## SERVICE CONNECTIONS

- Mains cold water: ½" bsp male
- Overflow: 22mm solvent weld
- Mains power cable: 5m 3 core
- Connection for additional storage tank: 2" bsp female

## MATERIALS OF CONSTRUCTION

- Tank: Polypropylene
- Pipe work fittings: Brass
- Pump: Stainless steel 316
- Internal pipe work: Copper
- Pressure vessel: Steel body, with butyl rubber diaphragm

## DIMENSIONS



GB/HOMEBOOSTER/DBS/0606