The Flatmaster Range

FOR PROPERTIES WITHOUT LOFT SPACE

Low cost ventilation for properties with no loft space. The unit is designed to take fresh air from outside, clean the air and discharge it into the central hallway via a system of ducting.

The dwelling's internal air discharge grille is usually installed at a high level in a central location within the hallway, although discharging the air down the length of the hallway (away from the front door) should also prove acceptable. Unit performance may be enhanced if an existing heat source can warm the discharged air, e.g. by locating the discharge grille above a radiator.

Flatmaster 2000

The unit is designed to take fresh air from outside, clean the air, warm it (if fitted with a heater) and discharge it into the central hallway via a system of ducting. The dwelling's internal discharge grille is usually installed at a high level in a central hallway, although discharging the air down the length of the hallway (away from the front door), should also prove acceptable.

Unit performance may be enhanced if an existing heat source can warm the discharged air, e.g. by locating the discharge grille above a radiator.

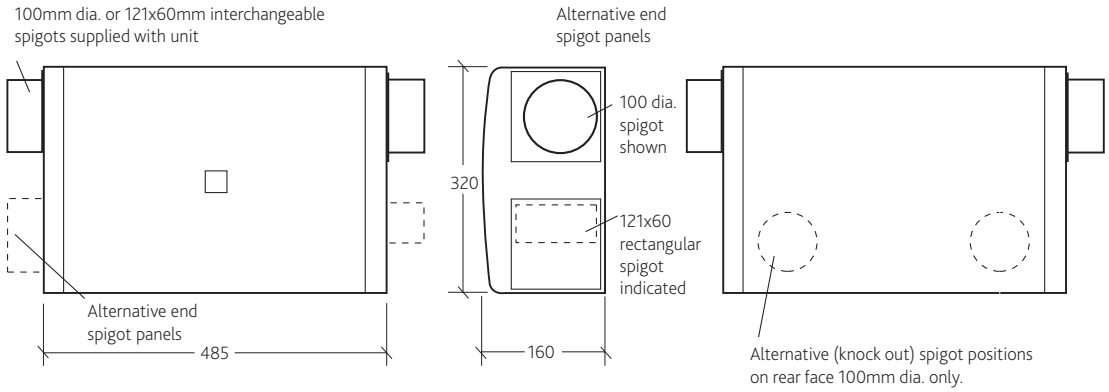
Additional heat when required

If additional heating of the incoming air is required, e.g. during very cold weather, the integral heater can be used to distribute filtered, warmed air throughout the property.

Technical

DIMENSIONS (MM) & UNIT WEIGHT

Weight
Flatmaster: 4kg
Flatmaster 2000: 5.2kg



Wiring

Please note the electrical connections to the unit should be carried out by a qualified electrician.

With the PCB cover removed, pull the PCB forward to gain access to the Earth post behind. Connect Earth cable to Earth post next to the grommet hole. Slide PCB into slot and connect the mains supply L and N to the terminal block.

The unit should be wired in accordance with current IEE regulations.

ACCESSORIES

BOOST SWITCH

THERMOSTATICALLY CONTROLLED HEATER

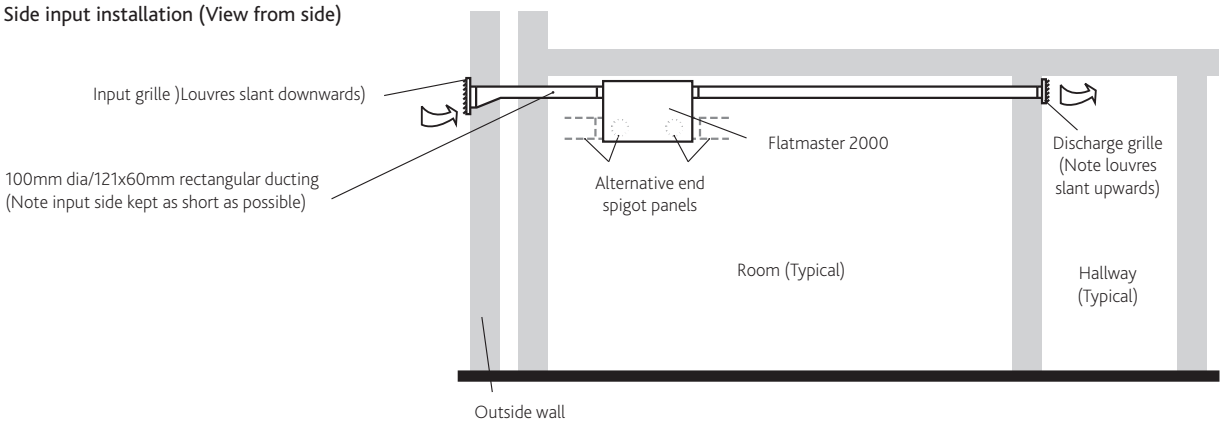
Electrical Details

	Voltage	Consumption
Flatmaster	230V 1ph 50Hz	Speed 1 1.5W(max)
		Speed 2 8W(max)
		Speed 3 13W(max)
Flatmaster 2000	230V 1ph 50Hz	Heater 300W(max)

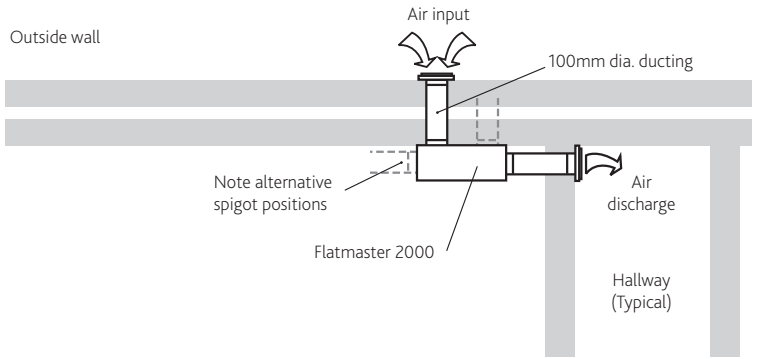
Typical Installation

INSTALLATION OPTIONS

Side input installation (View from side)



Rear input installation (View from above)



(If the heater option is required, the wiring should be connected to the appropriate terminal on the PCB).

Consultants Specification

FLATMASTER

The attractively designed unit casing shall be manufactured from easy to clean flame retardant V0 rated ABS polymer and thermally insulated pre-coated mild steel. A washable flame retardant filter of G3 grade (with 1-2 year typical maintenance period) shall be fitted, which may be accessed via the easily removable front cover.

The unit shall incorporate an injection moulded radial bladed centrifugal impeller. The impeller shall be driven by a high efficiency, reversible brushless DC motor fitted with steel, self-lubricating bearings and locked rotor protection.

The unit shall have a maximum power consumption of 0.45w/l/s of airflow for the Flatmaster and 1.4w/l/s of airflow for the Flatmaster 2000. The unit shall be highly adaptable for ease of installation, allowing circular or rectangular duct connections and for air entry from side or rear of the case at high or low level.

A selection of spigots enabling connection to 100mm circular or 121x60mm rectangular distribution ductwork, without the use of transformation sections, shall be provided. Ducting and grilles shall be supplied separately.

The unit shall be offered with a 5 year warranty.

FLATMASTER 2000

The unit shall be suitable for the incorporation of an optional plug in monitor, which shall record the unit's operational time (code: FLATMASTER-HRM).