

Fanair - Mk 2



Features:

- ▶ Unit can be Supply or Extract.
- ▶ Can be mounted into a standard 600mm x 600mm ceiling grid.
- ▶ 4 Way diffuser with removable core.
- ▶ Diffuser can be supplied in a large range of colours.
- ▶ Easy to install.
- ▶ Easy maintenance from within the room via removable core of diffuser.

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Established in 1960, Diffusion has over 50 years experience in producing environmental solutions via the manufacture of heating, air conditioning and ventilating products.

Application

The Diffusion Fanair unit is an ideal choice for ventilation in such applications as shops, banks, restaurants, schools, hospitals, airports and retail outlets. The flexibility of either supply or extract together with ceiling grid mounting ability enables it to be applied to new buildings or refurbishments.

Description

The Diffusion Fanair unit has been developed for a number of purposes. It can be used as a supply unit which allows hot or cold air from the ceiling void to be discharged down through the false ceiling, providing comfort for the occupants. It can also be used as an extract unit to remove stale air from areas not served by other forms of mechanical extract. Another use can be as a de-stratification unit. The unit will be supplied as standard with a rear mounted, factory fitted flange to enable incorporation into a ducted system, if required.

Chassis

The unit chassis shall be manufactured from 1.2mm thick galvanised mild steel. The chassis shall be mounted via 4 off 12.7Ø holes located on the unit top panel, to enable it to be supported/hung from the slab via 8/10mm drop rods. Electrical cable entry is via the unit top panel.

Fan Assembly

Each fan and motor assembly shall be fitted with a motor, continuously rated and complete with a built in thermal overload protector to DIN IEC38. The external rotor motor shall be rated to IP44 and fitted with sealed for life ball bearings and with insulation rated to class B.

Diffuser

The diffuser shall be an aluminium 4-way type with a removable core and shall be finished as a standard in a white powder coat RAL9010.

Controls

- The unit shall be supplied complete with an on/off and 3 speed switch that will be mounted within the unit and can be accessed via the removable core.

Function Tests

- Each unit shall be function tested at our factory to ensure correct operation. All electrical components shall be tested to ensure each unit and its associated wiring complies with the 16th edition of IEE. The unit shall be manufactured in accordance with BS EN ISO 9001:2000 quality standards.



Marks & Spencer, Southampton

Performance Details

SPEED	AIR VOLUME	ELECTRICAL SUPPLY	POWER	S.C	F.L.C	WEIGHT	Guide NR	dBA
LOW	274l/s	230-1-50	37W	0.96A	0.32A	16kg	35	39
MED	415l/s	230-1-50	62W	1.23A	0.41A	16kg	45	51
HIGH	503l/s	230-1-50	81W	1.32A	0.44A	16kg	50	55

Dimensions

600 x 600 x 257 high

NOTES

Guide NR values given are based on 1 off unit mounted within a typical space and measured at 3.0m from the unit discharge grille. dBA figures given are calculated from the sound pressure levels measured at 3.0m horizontally from the unit discharge grille.



Diffusion Environmental Systems

47 Central Avenue, West Molesey, Surrey KT8 2QZ
Tel: (+44) 020 8783 0033 Fax: (+44) 020 8783 0140
Email: diffusion@etenv.co.uk www.diffusion-group.co.uk

