

### Datasheet

# Intervent Range by Manrose



The Intervent range of Extractor fans are supplied by one of the leaders in the world of ventilation—Manrose. This range makes up the budget every day fans in the Manrose range and come in a variety of sizes and with different options. There are 4", 5" and 6" spigot sizes to choose from with options such as Standard, Timer, Pullcord or Humidistat to add on. Also in the Intervent range is the VSF inline fan KIT. These 4" inline kits come in standard or timer and are supplied with everything you need for install—fan, grilles, ducting, cable ties and fixings. Intervent—A great branded fan for meeting building regulations

### Intervent 4" 100mm Extractor Fans



#### Key Features

- Designed to work effectively in Bathrooms, the axial flow Bathroom fans can be wall or ceiling mounted (except Pull-Cord models).
- Quiet and efficient, the 100mm (4") series has an impressive extract rate of 85m<sup>3</sup>/hr or 23 litres per hour.
- The units are all manufactured using high ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.

#### Electrical

220-240V—AC. 50Hz. Single Phase consuming 15 watts. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan should not be accessible to a person using either the shower or the bath and mounted a minimum of 1.8m from the floor.

#### Technical Details

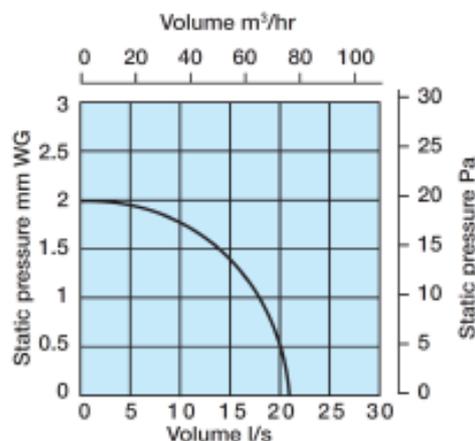
##### Cat No. Product Type

- NVF100S Standard model for remote switching.
- NVF100P As above supplied with pull-cord switch.
- NVF100T Timer model incorporating integral adjustable electronic timer (1-20 minutes).
- NVF100H Humidity control which is adjustable between 40% RH and 95% RH complete with integral adjustable timer (1-20 minutes).
- NVF100HP As above with an Override Pull-Cord for manual switching.

##### Additional Information

- Maximum pressure: 20 p.a
- Fan speed : 2400 r.p.m
- Sound volume : 41.0 dB(A)
- Maximum operating temperature: 40°C
- Maximum airflow l/s: 23 (85m<sup>3</sup>/hr)
- Power consumption (Watts): 20W
- IP Rating: IPX4
- Maximum duct length: 1.5m

#### Performance



#### Dimensions

- Front Facia:
  - 155mm<sup>2</sup>
- Facia Depth:
  - 27mm
- Spigot Diameter:
  - 98mmø
- Spigot Depth:
  - 50mm

### Intervent 5" 120mm Extractor Fans



- Designed for wall and ceiling mounting, the efficient range of axial flow extractor fans are available in four options.
- The extract rate is 130m<sup>3</sup>/hr, 36 litres per second. Power is provided by a single phase induction motor with pre-oiled bearings fitted for a long, maintenance free-life.
- The units are all manufactured using high floss ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Designed for larger bathrooms, toilets, cloakrooms and medium sized rooms, the 120mm (5") series of fans are 56% more powerful than their 100mm (4") counterparts, yet only a fraction larger in surface area.

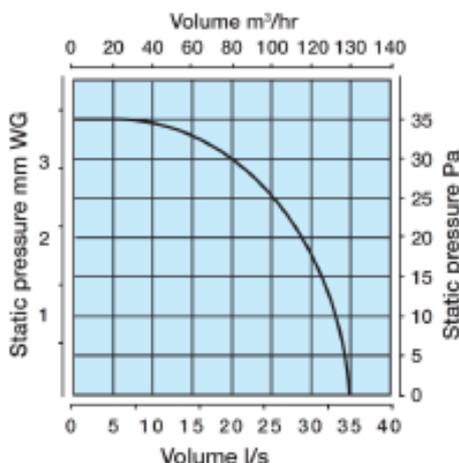
#### Technical Details

Cat. No.      Product type

<b>NVF120S</b>	Standard Extractor Fan
<b>NVF120P</b>	As above supplied with pullcord switch
<b>NVF120T</b>	Timer model incorporating integral adjustable electronic timer (1-20mins)
<b>NVF120HP</b>	Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer and pullcord override switch. Requires no switched live (1-20mins)

#### Performance Graph

130m<sup>3</sup>/hr, 36 litres per second



#### Electrical

220-240V - AC, 50Hz . Single phase consuming 15.5 Watts. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan must not be accessible to a person using either the shower or bath and mounted a minimum of 1.8 metres from the floor.

#### Additional Data

**120mm (5") Range**  
 Maximum pressure: 35 p.a.  
 Fan speed: 2000 r.p.m.  
 Sound volume: 41.0 dB(A)  
 Maximum operating temperature: 40°C

### Intervent 6" 150mm Extractor Fans

Domestic Ventilation



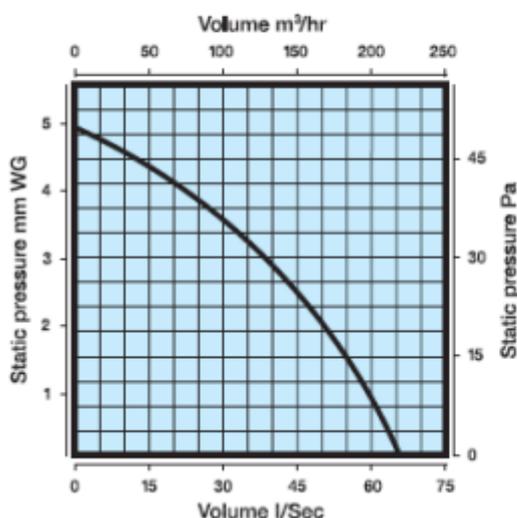
- Quiet and efficient, the 150mm (6") series has an impressive extract rate of 230m<sup>3</sup>/hr, 64 litres per second, and is available various options.
- The units are all manufactured using high ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- IP Rating of IP44 which is equal to IPX4

#### Technical Details

**Cat. No.**      **Product Type**  
150mm (6") Wall/Ceiling Fans

- NVF150S**      Standard extractor fan
- NVF150P**      As above supplied with pullcord switch
- NVF150T**      Timer model incorporating integral adjustable electronic timer (1-20mins)
- NVF150H**      Humidity control which is adjustable between 40% RH and 95% RH
- NVF150HP**    Complete with integral adjustable timer (1-20mins)
- As above with pullcord override switch. Requires no switched live

#### Performance Graph 230m<sup>3</sup>/hr, 64 l/s



#### Electrical

220-240V – AC. 50Hz  Single phase consuming 25 watts. There fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan must not be accessible to a person using either the shower or bath and mounted a minimum of 1.8 metres from the floor.

#### Additional Data

##### 150mm (6") Range

- Maximum pressure: 20 p.a.
- Fan speed: 2400 r.p.m.
- Sound Volume: 40.0 dB(A)
- Maximum Operating Temperature: 40°C

### Intervent 4" 100mm Inline Extractor Fans

Domestic Ventilation



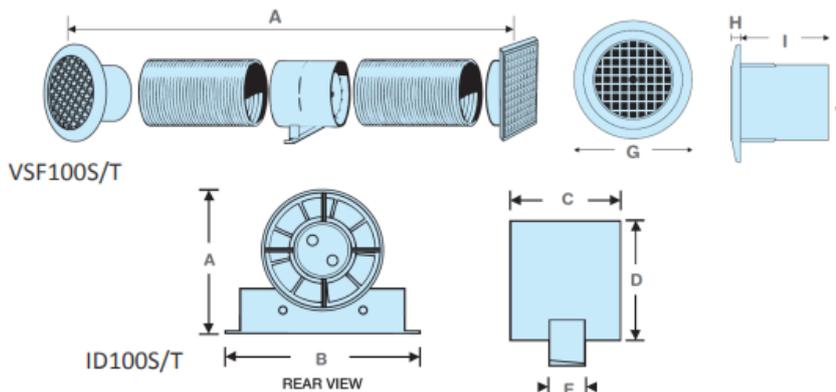
- Quiet and efficient, the VSF100 (4") series has an impressive extract rate of 85m<sup>3</sup>/hr, 23 litres per second. Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- The units are all manufactured using high ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Available with or without a timer, the VSF100S/T fan kits are supplied complete with a fan unit, one length of PVC flexible ducting, one internal and one external wall grille, fixing screws, plugs and straps to secure the duct to the grilles.

#### Technical Details

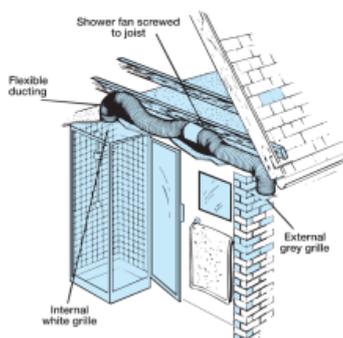
Cat. No.	Product Type
VSF100S	Standard model for remote switching
VSF100T	Timer model incorporating integral adjustable electronic timer (1-20 mins)

#### Dimensions (mm)

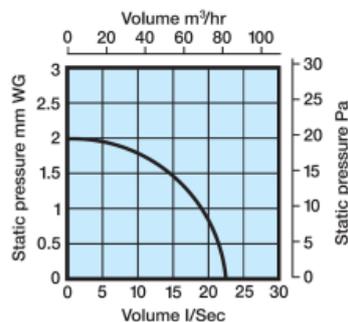
Product	A	B	C	D	E	F	G	H	I	J
VSF100S/T	3m	140	140	100Ø	33	15	140	10	50	98Ø
ID100S/T	130	155	90	100Ø	27	-	-	-	-	-



#### Typical Installation



#### Performance



#### Installation

Designed to be ceiling mounted through 102mm cut-out for screw Fixing. Wiring and Installation Instructions provided.

#### Electrical

220-240V - AC. 50Hz Single Phase Consuming 15W on ID100S/T (Fan in kit). These fans are double insulated and do not require an earth. All wiring must comply with current IEE Regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted.

#### Fan Information

Fan Size: 100mm (4")  
 Maximum Pressure: 20Pa  
 Fan Speed: 2400 RPM  
 Sound Volume: 41.0dB(A)  
 Maximum Operating Temperature: 40° Celsius  
 Maximum Airflow: 23lps (85m<sup>3</sup>/hr)  
 Power Consumption: 15W  
 SFP: 0.65