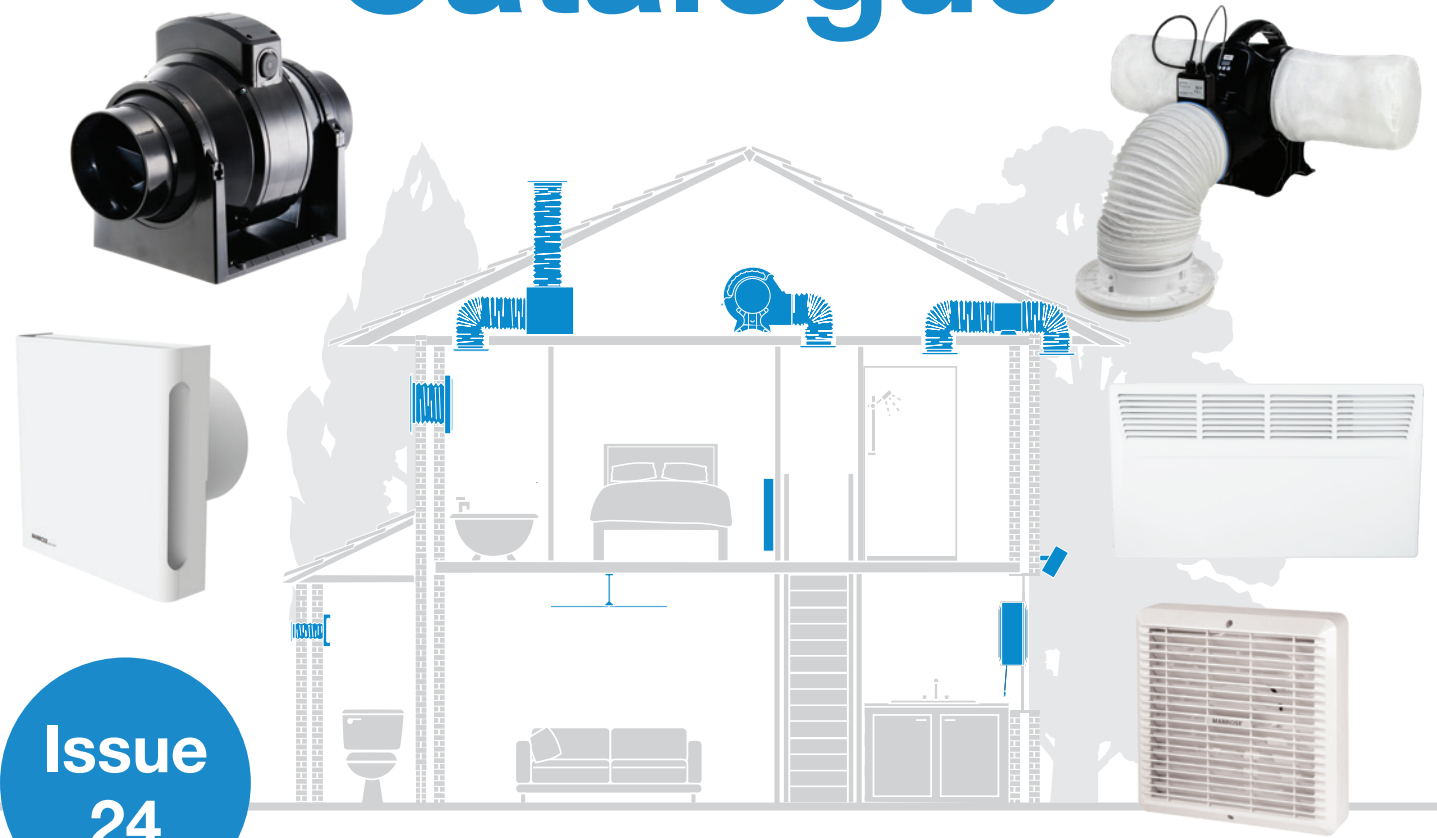


# MANROSE®

Manufacturers of Ventilation  
Fans and Equipment

## Product Catalogue



Issue  
24

Saving your money and our environment



# MANROSE®



Established in 1987, Manrose, a prominent UK-based manufacturer, stands at the forefront of producing domestic ventilation fans and equipment. Our extensive product range includes mechanical extract ventilation fans, heat recovery devices, hand dryers, electrical heating systems, and cooling products.

Beyond the core products, Manrose complements its offerings with a variety of accessories, encompassing electrical controllers, speed controllers, roof vent kits, ducting, ventilation accessories, and boxed venting kits.

Our products find applications in diverse settings, serving both domestic and commercial needs.

The driving force behind Manrose's innovations lies in a customer-centric approach, attuned to the evolving requirements of our clientele. In response to the growing emphasis on energy efficiency, a pivotal consideration in contemporary construction, we have meticulously designed all our products to deliver optimal performance.

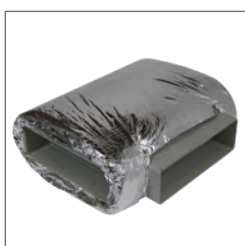
Furthermore, we have introduced value-added features, such as the humidistat-controlled fan, to enhance the functionality of our offerings.

Despite our growth as a company, Manrose remains steadfast in upholding our founding principles. We take pride in delivering high-quality, reliable, and British-made products. This commitment reflects in every aspect of our business, ensuring that customers can trust Manrose for cutting-edge solutions that align with their expectations.



# Ducting - Insulated

## DUCTING - INSULATED



### WHAT IS CONDENSATION?

Condensation is when water vapours make contact with a cold surface and form into liquid, the opposite of evaporation.

Condensation is a serious problem which affects millions of households in the UK.

- Condensation can cause mould and damp, which could lead to serious health risks and affect general wellbeing; asthma, bronchitis and various other respiratory problems
- Can cause wallpaper to peel
- Can contribute to severe structural damage (wood rot & damp)

### HOW DO I PREVENT CONDENSATION?

Condensation and damp can be reduced and controlled if you change the habits implemented within your home.

- Washed clothes should be dried outdoors
- Keep doors to bathrooms shut to avoid moisture getting to other parts of the house
- When cooking, cover pots and pans
- Ensure adequate mechanical ventilation (extractor fans)
- Tumble driers should be vented to the atmosphere

### HOW WOULD INSULATED DUCTING PROTECT MY HOME?

Ducting in most cases is located within cold, unheated areas of the home, and in most cases not insulated!






























#### Insulated Ducting:

- Retains ambient temperature of room thus preventing steam condensing back into water
- Stops condensed water from dripping back into the property
- Can prevent escalation of structural damage
- Is ideal for vertical installations






Complies with the Domestic Ventilation Compliance Guide.



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# Useful Information

## The Problems Caused by Poor Ventilation

### Stale Air

Stale air can be caused by cooking smells, smoking, odours remaining in the bathroom, a general lack of ventilation around the house as well as a damp atmosphere.

All these problems cause an avoidable level of discomfort as well as the risk of respiratory illness and general poor health.

### Condensation

Problems occur when steam from the kitchen or bathroom finds cooler surfaces around the house on which to condense. Attempts to conserve heat by sealing windows - and therefore reducing natural ventilation - makes this problem even worse.

Condensation can cause considerable problems from peeling wallpaper and mould growth to severe structural damage such as wood rot and damp.

When installing additional energy efficiency measures into an existing property the ventilation provision must be considered and may need to be altered to ensure suitable ventilation provision to prevent issues with condensation.

## Solving the Problems

### Building Regulations

The Building Regulations Document F1 outlines the importance of ventilation and stipulates that mechanical ventilation must be installed in kitchens, bath/shower rooms and toilets.

All Manrose fans comply with or exceed current Building Regulations and our intermittent fans are capable of extracting no less than 60ls from kitchens and no less than 15l/s from bath/shower rooms. Our continuous running fans have a minimum high rate of 13l/s. This means that humidity is removed at source before it can reach the cooler part of the dwelling and cause damage.

Specific requirements of The Building Regulations Document F1 on ventilation are as follows:

- **Bathrooms/Shower Rooms:**  
The Regulations require an intermittent fan capable of minimum extract capacity of 15l/s / 54m<sup>3</sup>/hr, or a continuous running fan capable of a minimum high rate of 8l/s / 28.8m<sup>3</sup>/hr when installed. If a room does not contain an openable window the fan should be fitted with a 15 minute over-run timer.
- **Toilets (Separate from a Bathroom):**  
The Regulations require a fan capable of a minimum extract capacity of 6l/s / 21.6m<sup>3</sup>/hr, or a continuous running fan capable of a minimum high rate of 6l/s / 21.6 m<sup>3</sup>/hr when installed. If a room does not contain an openable window the fan should be fitted with a 15 minute over-run timer.
- **Kitchens:**  
The Regulations require an intermittent extract of 30l/s / 108m<sup>3</sup>/hr (a cooker hood extracting to the outside) or 60l/s / 216m<sup>3</sup>/hr for a fan mounted elsewhere (no cooker hood or the cooker hood does not extract to the outside). A continuous running fan must have a minimum high rate of 13l/s / 46.8m<sup>3</sup>/hr.
- **Utility Rooms:**  
The Regulations require an intermittent fan capable of extracting 30l/s / 108m<sup>3</sup>/hr when installed. A continuous running fan must have a minimum high rate of 8l/s / 28.8m<sup>3</sup>/hr.

## MEV & MVHR Continuous Ventilation Rates

Extract Ventilation Rates			
Room	Intermittent Extract	Continuous Extract	
	Minimum Rate	Minimum High Rate	Minimum Low Rate
Kitchen	30 l/s (cooker hood extracting to outside) 60 l/s (if no cooker hood installed or it is a recirculating type)	13 l/s	Total extract rate should be at least the whole dwelling ventilation rate given in the table below
Utility	30 l/s	8 l/s	
Bathroom	15 l/s	8 l/s	
Sanitary Accommodation	6 l/s	6 l/s	

Whole Dwelling Ventilation Rates					
	Number of bedrooms in dwelling				
	1	2	3	4	5
Whole dwelling ventilation rate	19	25	31	37	43

Note. The minimum whole dwelling ventilation rate should be not less than 0.3 l/s per m<sup>2</sup> of internal floor area.

### Siting the Fan Correctly

A fan should always be sited in the furthest window or wall from the main source of air replacement to avoid short-circuiting the airflow. It should be located as high as possible, if wall or window mounted ideally no more than 400mm from the ceiling.

If the room contains a fuel burning device (such as a gas boiler) with a non-balanced flue, it is essential that there is enough replacement air to prevent fumes being drawn down the flue when the fan is extracting to its utmost capacity.

IEE Regulations (U.K.) require that a conventional mains voltage fan in a bathroom or shower must be located where it cannot be touched by a person using the bath or shower and well away from any water spray.

Alternatively, the Manrose range of 12 volt S.E.L.V. (Safety Extra Low Voltage) or IPX5 fans are specifically designed for the safe ventilation of toilets, bathrooms and shower rooms and can be fitted within the splash area with absolutely no risk of electric shock.

### Choosing the Right Manrose Fan

#### Remember

- Axial fans are designed to move air over short distances i.e. window fixing or through wall mounting. Available in 100mm, 125mm, 150mm, 225mm and 300mm sizes (4", 5", 6", 9" and 12").
- Centrifugal fans are designed to move air over longer distances and will perform well against the pressure caused by long lengths of ducting and resistance by grilles. N.B. When ducting vertically it is recommended that a condensation trap is used.

- Humidistat Controls: Manrose have a complete range of integral humidistat controls on their fans, they are also available with a pull cord override switch. A remote mounted model is also available (1361). All are designed to switch on the fan as the humidity rises in the bathroom and off as it falls. It will continue to monitor the humidity 24 hours per day, thus preventing mould growth on ceilings and walls and drastically reducing condensation problems.

### ERP (Energy Related Products Directive)

As a part of the EU's commitment to achieving a 20 per cent energy saving by 2020, from January 2018, all local space heaters manufactured for sale in the EU must comply with a minimum efficiency standard under Lot 20 of the Energy Efficiency Directive. Local space heaters can meet these regulations by using a number of different integrated control methods.

From January 2016, with updates from January 2018 new residential and non-residential ventilation units are subject to the requirements of the Ecodesign Directive. Residential products with power consumption greater than 30 Watts require an energy label and all products must meet certain performance criteria. Full details are available on our website at: [www.manrose.com/erp](http://www.manrose.com/erp)

### Types of model

- Standard model for remote switching through wall light or separate switch.
- Timer model with built-in adjustable time delay operated by the light switch.
- Pullcord model with built-in pullcord switch.
- Humidity controlled models with built-in adjustable sensor which operates the fan automatically.
- P.I.R. model sensitive to movement. Switches on when room is entered and off when room is vacated.

**MANROSE MANUFACTURING LIMITED,  
UNIT 23, 53 SUTTONS PARK AVENUE, EARLEY, READING. RG6 1AZ**

Manrose is the UK's fastest growing manufacturer of domestic ventilation fans and equipment. As such, we have made a major impact on the ventilation industry. Our fans and equipment are of such high quality that we unhesitantly offer generous 'no quibble' guarantees across our ranges. ISO9001:2008 Accredited.

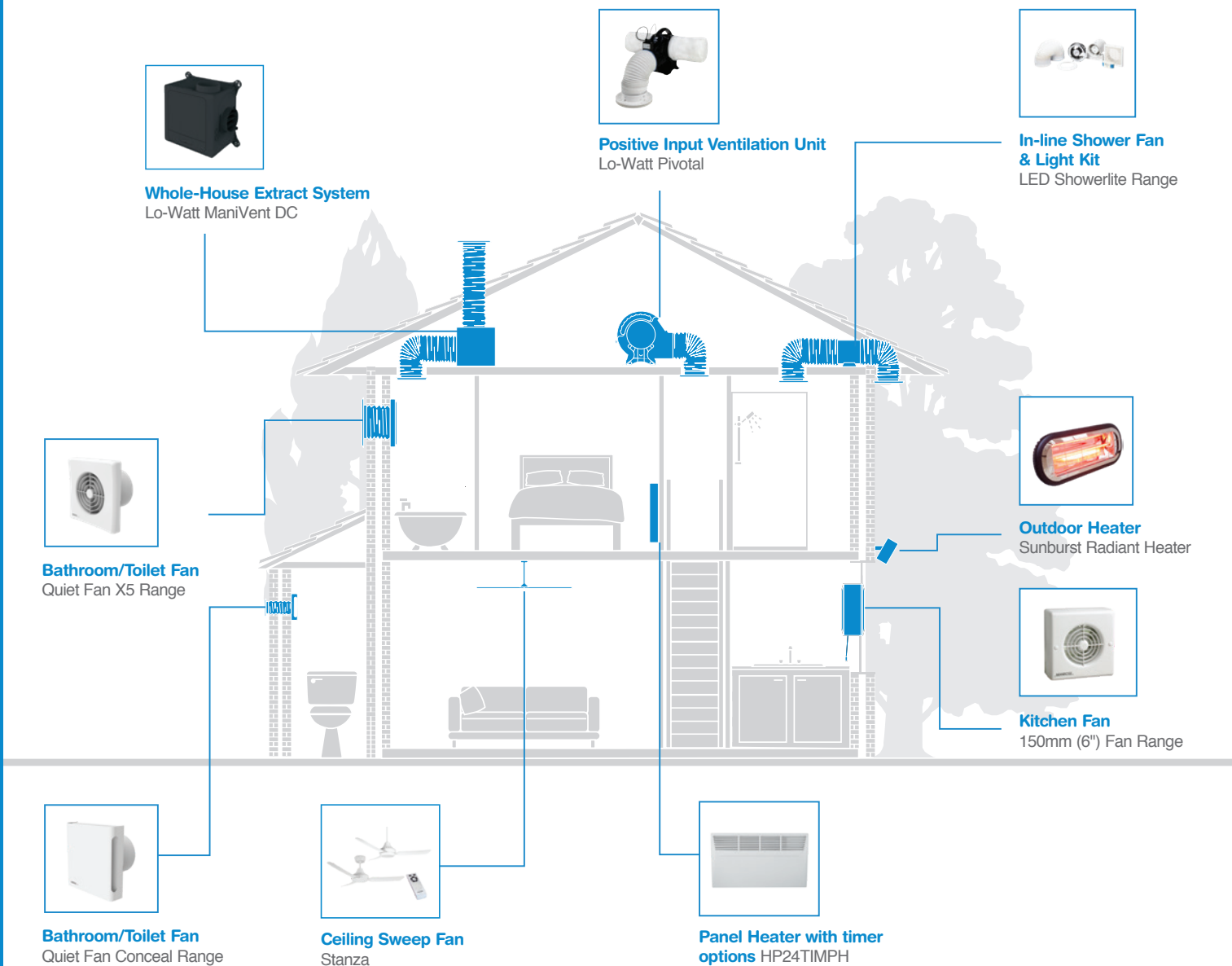
Every care has been taken in the preparation of this catalogue and whilst all steps have been made to ensure that the information is accurate, we cannot be held responsible for any inaccuracy connected to the use of this information or in respect of any matters arising therefrom.

A copy of our terms and conditions of company sales is available upon request.

PRODUCTS ARE AVAILABLE UNTIL FURTHER NOTICE



**Fan Selector Guide**



# New Products

## Lo-Watt Pivotal

The Lo-Watt Pivotal Positive Input Ventilation unit (PIV) has been designed to prevent and treat condensation and mould quickly. It is perfect for refurbished properties thanks to it being easy to fit for installers and discreet for homeowners.

See pages 86-87



## Quiet Fan X5 Conceal

The Manrose Quiet Fan X5 Conceal is the latest in domestic ventilation to incorporate a high extraction rate whilst producing an incredibly quiet running volume all with the additional flexibility of being IPX5 compliant. IEE Regulations (U.K.) allow for IPX5 fans to be installed into zone 1 without the need for low voltage transformer making this comprehensive range ideal for bathrooms and toilets.

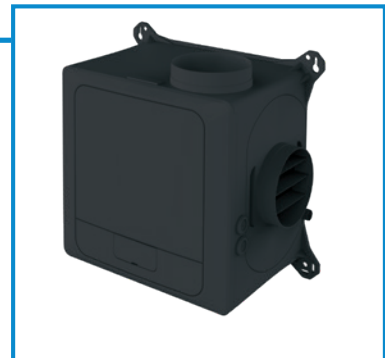
See pages 16-17



## Lo-Watt ManiVent DC Whole-House Extract System

With the growing concerns about over ventilating properties, the Multispeed Multivent offers the option of 'Close Control' both in the residential and the commercial sectors. With a DC motor that can be set to ventilate any area up to 118 l/s, the Multispeed Multivent is one of the most efficient central extract units in the UK.

See pages 84-85



## Stanza 48in Ceiling Fan

The Stanza fan is a stylish, modern ceiling fan, ideal for homes, offices, stores, shops and many other applications\*. The precision moulded glass fibre composite blades give increased stability and higher airflow, working to cool the environment in summer months. In winter months, the Stanza can be set to Eco mode, which will gently recirculate heat from the ceiling towards occupants, therefore helping to conserve energy.

See pages 79

\* Stanza 48in Ceiling Fan must be at least 2.3m high from floor level.





# Part L Regulation Energy Saving Products 'Saving your money and our environment'

## Energy Efficiency

There are Building Regulations dictating minimum airflow requirements (Approved Document F) and minimum energy efficiencies (Approved Document L). The range from Manrose offers a complete product range and all designed to comply with the requirements. The regulations specify the maximum specific fan power permitted for all ventilation products. This is measured in Watts per litre per second of airflow extracted and all models in the range comply.



The table below shows the maximum specific fan powers allowed to comply with the Building Regulations.

### New and replacement systems

#### 1.0 Fan Power

- a. Mechanical ventilation systems should be designed to minimise electric fan power. Specific fan power (SFP = Watts / LPS) should not be worse than:
  - i. 0.5W/l/s for intermittent extract ventilation systems
  - ii. 0.7W/l/s for continuous extract ventilation systems
  - iii. 0.5W/l/s for continuous supply ventilation systems
  - iv. 1.5W/l/s for continuous supply and extract with heat recovery ventilation systems

#### 2.0 Heat Recovery Efficiency

- a. The heat Recovery efficiency of balanced mechanical ventilation systems incorporating heat recovery should not be worse than 73%

#### 3.0 Controls

- a. Intermittent Mechanical extract ventilation systems should be operated by local manual switches or automatically by a presence sensor
- b. A summer bypass facility (giving the ability to bypass the heat exchanger or to control its heat recovery performance).
- c. A variable speed controller

### Installed Performance – It needs to comply

In the regulations there is now a requirement for the installation to be signed off by a competent person. This will include airflow measurements. Manrose products are designed to comply with the installation requirements as set out in the domestic Ventilation Guide as part of Approved Document F. When installing there are a few simple rules that will help as shown below:

Rectangular or circular rigid duct should be used wherever possible, if necessary, flexible ducts maybe used, however, these lengths should be kept to a minimum, not exceeding 1.5m and connecting to rigid ductwork as soon as possible

Flexible ducting should not exceed 1.5m and must be pulled taut to minimise resistance, this is considered to be achieved if extended at least 90% of the total duct length. Ductwork should be insulated when it passes through unheated areas and voids. Horizontal ducting, including ducting in walls, should be installed with a slight slope downwards away from the fan to prevent backflow of any moisture. Vertical ducting will require a condensate trap in order to prevent backflow of any moisture into the product.

### Installation Introduction

This guide provides basic guidance for persons installing fixed ventilation systems in new and existing dwellings to help to comply with installation and commissioning requirements in part F and part L of the Building Regulations for England and Wales.

**✓ Do**

**✗ Don't**

The inner radius of any bend should be greater or equal to the diameter of the ducting being used. If the radius is reduced, the resistance of the bend will increase and the volume of the air being extracted will decrease (image on the left)  
 Ensure flexible ducting is installed without peaks or troughs (image on the right)

## 4" Axial Fan Range (SFP down to 0.42)

Designed for wall or ceiling mounting, this comprehensive range offers a wide selection of quiet and efficient models for use in bathrooms and toilets. Comes complete with a backdraught shutter.

Cat No.	Product Type
LXF100S	Standard model for remote switching
LXF100P	As above supplied with pullcord switch
LXF100T	Timer model incorporating integral adjustable electronic timer (1-20 mins)
LXF100H	Humidity control which is adjustable between 40% RH and 95% RH complete with integral adjustable timer (1-20 mins)
LXF100PIR	PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch timer adjustable between 1-20mins. Requires no switched live.

### Additional Information

Maximum Pressure:	Fan Speed:	Sound Volume :	Maximum Operating Temperature:	Maximum Airflow l/s:	Power Consumption (Watts):
20 p.a.	2400 r.p.m.	41 dB(A)	40°C	25.5	10.77

## 6" Axial Fan Range (SFP down to 0.28)

Designed for wall or ceiling mounting, the Efficient and easy to install range offers an alternative style and design to the traditional 6" Kitchen style. Comes complete with a backdraught shutter.



Cat No.	Product Type
LXF150BT	Timer model incorporating integral adjustable electronic timer (1-20 mins)
LXF150BH	Humidity control which is adjustable between 40% RH and 95% RH complete with integral adjustable timer (1-20 mins)
LXF150BPIR	PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch timer adjustable between 1-20mins. Requires no switched live.

### Additional Information

Maximum Pressure:	Fan Speed:	Sound Volume :	Maximum Operating Temperature:	Maximum Airflow l/s:	Power Consumption (Watts):
50 p.a.	2400 r.p.m.	40 dB(A)	40°C	64	18

## Inline Shower Fan Range

Designed for the safe ventilation of bathrooms, toilets and shower rooms by removing any risk of an electric shock in wet areas as the fan is mounted remotely.



### Cat No.

LSF100T

### Product Type

100mm Timer model incorporating integral adjustable electronic timer (1-20 mins). Also comes with 1.5m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.

**SFP Down To  
0.43 4" (100mm)**

### Additional Information

Size:	Maximum Pressure Pa:	Fan Speed r.p.m.:	Sound Volume dB(A):	Maximum Operating Temperature °C:	Maximum Airflow l/s:	Power Consumption Watts:
4" (100mm)	20	2400	41	40	24	10.4

## Mixflo Range

These powerful 3 speed in-duct mounted mixed flow fans have been designed to produce higher working pressures for applications that require high air flows, with low relative noise. The Mixflo fans can be mounted in a variety of applications as shown and are suitable for use with either rigid or flexible ducting.



### Cat No.

MF100S

### Product Type

100mm Standard model for remote switching

MF100T

100mm Timer model incorporating integral adjustable electronic timer (1-20 mins)

**SFP Down To  
0.4 Low speed  
0.37 High speed**

### Additional Information

Speed:	Maximum Pressure Pa:	Fan Speed r.p.m.:	Maximum Operating Temperature °C:	Maximum Airflow l/s (m³/hr):	Power Consumption Watts:
Low	120	1700	40	50 (180)	20
Medium	180	2100	40	60 (216)	23
High	200	2400	40	68 (244.8)	25



## Centrifugal Continuous Fan Range

The Continuum fan is designed to provide silent, continuous ventilation to any W.C., bathroom, utility room or kitchen. It can be mounted on walls or ceilings, requires low maintenance, includes a long life, low energy motor and is designed for automatic, trouble free operation.

### Cat No.

CRCHTP -

Mains voltage fan

CRCHTPLV - SELV fan

### Product Type

The fan runs continuously on a trickle speed. An optional single boost speed (two speeds available, lower or higher boost dependant on requirement) can be selected at installation.

The integral pullcord switches the fan on and off to the selected boost speed.

An integral, adjustable humidity sensor will also boost the fan to the selected speed. An integrated overrun timer activates when the humidity drops to the pre-set level.

An integrated switch live also enables remote switching to boost. When the remote switch is deactivated the fan will also overrun for the period set at installation.

The LED will come ON when either the switched live, pull cord or humidity sensor is activated.



**SFP Down To  
0.31**

Size:	Maximum Pressure Pa:	Maximum Sound Volume dB(A):	Maximum Operating Temperature °C:	Maximum Airflow l/s:	Maximum Power Consumption Watts:
4" (100mm)	80	36	40	25	8

## Lo-Watt Whole House Ventilation System

With the growing concerns about over ventilating properties, the Multispeed Multivent offers the option of 'Close Control' both in the residential and the commercial sectors. With a DC motor that can be set to ventilate any area up to 118 l/s, the Multispeed Multivent is one of the most efficient central extract units in the UK.

The unit has 3 fully variable speeds: normal, boost and purge. The digital display allows accurate setting of airflow, ensuring exactly the right ventilation rate. Accurate speed control helps minimise noise and energy consumption.

Meets the Building Regulations Document (F1) for continuous running.

- Toilets 6l/s,
- Bathrooms 8l/s
- Utility rooms 8l/s
- Kitchens 13l/s

### Cat No.

MANI2000B

### Product Type

Whole-house Central Extract System



**SFP Down To  
0.37**

# Quiet Fan Range

## Domestic Range

QF100



The Manrose Quiet Fan is the latest in domestic ventilation to incorporate a high extraction rate whilst producing an incredibly quiet running volume. Designed for wall and ceiling mounting, this comprehensive range is ideal for bathrooms and toilets.

The unit also comes complete with a performance enhancing turning vane system located in the spigot to improve performance by maintaining a high output.

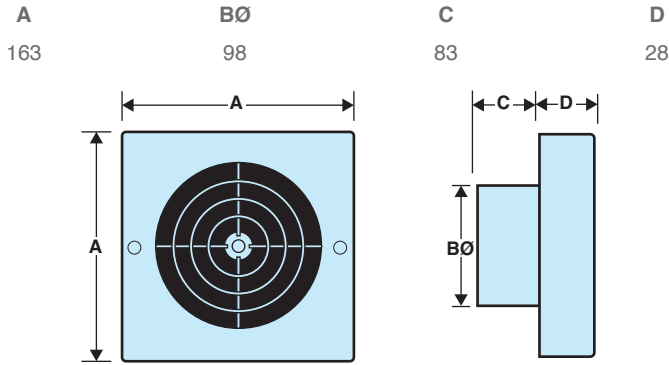
- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Decibel Level of ONLY 27dB(A) at 3m. Over 30% reduction in comparison to standard 4" (100mm) domestic fans
- An impressive extraction rate of 75m<sup>3</sup>/hr, 21 litres per second
- Low energy motor with a maximum consumption of 5 Watts
- Low SFP of just 0.33W//s
- Complete with integral backdraught shutters
- Complies with both Part F & L



# Technical Details

Cat. No.	Product type
QF100S	Standard Model for Remote Switching
QF100P	As above supplied with pullcord switch
QF100T	Timer model incorporating integral adjustable electronic timer (1-20mins)
QF100H	Humidity control which is adjustable between 40% RH and 95% RH, complete with electronic timer (1 -20mins)

## Dimensions (mm)



## Packaging

Quiet fan range packed in outers of 10. Contact our technical department for packaging dimensions.

## Electrical

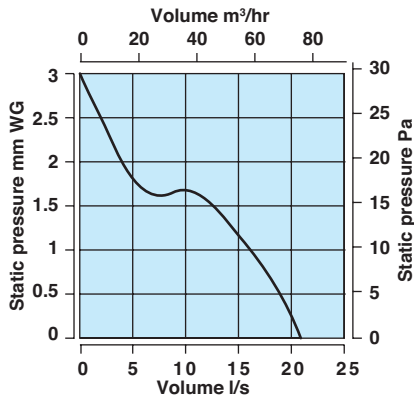
220-240V~50Hz AC Single Phase consuming 5 Watts. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan must 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

Fan Speed: 2300 r.p.m.  
 Sound Volume: 27 dB(A)  
 Maximum Operating Temperature: 40°C

## Performance Graph

QF100 75m<sup>3</sup>/hr, 21 litres per second



# Quiet Fan X5 Conceal Domestic Range

## QF100 X5 CONCEAL

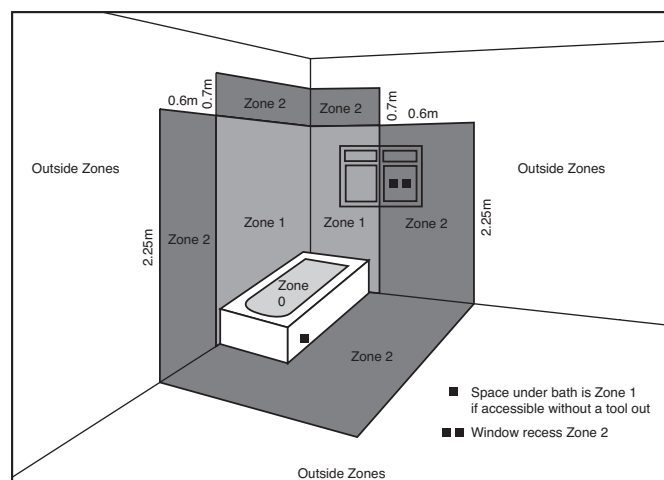


The Manrose Quiet Fan X5 Conceal is the latest in domestic ventilation to incorporate a high extraction rate whilst producing an incredibly quiet running volume all with the additional flexibility of being IPX5 compliant. IEE Regulations (U.K.) allow for IPX5 fans to be installed into zone 1 without the need for low voltage transformer making this comprehensive range ideal for bathrooms and toilets.

The unit also comes complete with a performance enhancing turning vane system located in the spigot to improve performance by maintaining a high output.

- IPX5 rated for compliant zone 1 installation
- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Decibel Level of ONLY 28dB(A) at 3m.
- Manufactured using high gloss ABS thermoplastics for strength and durability
- An impressive extraction rate of 75m<sup>3</sup>/hr, 21 litres per second
- Low energy motor with a maximum consumption of 6 Watts
- Low SFP of just 0.29W/l/s
- Complete with integral backdraught shutters
- Complies with both Part F & L
- Suitable for ceiling or wall mounting
- Made in the UK

### Bathroom Zone Diagram

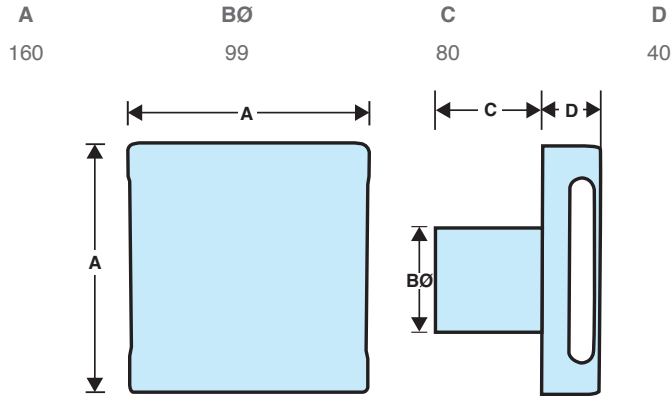


# Technical Details

## Cat. No. Product type

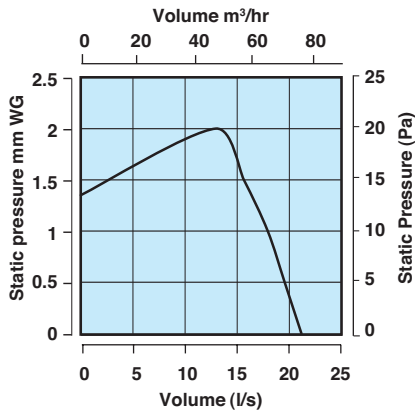
- QF100SX5CON** Standard model suitable for zone 1 installation
- QF100TX5CON** Timer model incorporating an adjustable run on timer (5-30mins)
- QF100HTX5CON** Humidity control model with adjustable run on timer (5-30mins). Humidity adjustable between 40%-90% rH

## Dimensions (mm)



## Performance Graph

QF100 X5 Conceal 75m<sup>3</sup>/hr, 21 litres per second



## Packaging

Quiet fan IPX5 range packed in outers of 10. Contact our technical department for packaging dimensions.

## Electrical

220-240V~50Hz AC Single Phase consuming 6 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.

## Additional Data

- Flow Rate: 21l/s, 75m<sup>3</sup>/hr
- Sound Volume: 28 dB(A)
- Maximum Operating Temperature: 40°C
- Operating wattage: 6W
- Warranty: 3 years
- IP Rating: IPX5, Zone 1 Compliant

# Quiet Fan X5 Domestic Range

QF100 X5

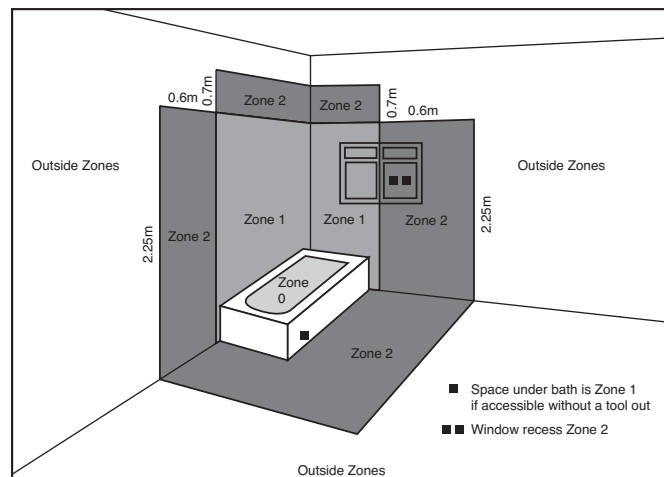


The Manrose Quiet Fan X5 is the latest in domestic ventilation to incorporate a high extraction rate whilst producing an incredibly quiet running volume all with the additional flexibility of being IPX5 compliant. IEE Regulations (U.K.) allow for IPX5 fans to be installed into zone 1 without the need for low voltage transformer making this comprehensive range ideal for bathrooms and toilets.

The unit also comes complete with a performance enhancing turning vane system located in the spigot to improve performance by maintaining a high output.

- IPX5 rated for compliant zone 1 installation
- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Decibel Level of ONLY 25dB(A) at 3m.
- Manufactured using high gloss ABS thermoplastics for strength and durability
- An impressive extraction rate of 90m<sup>3</sup>/hr, 25 litres per second
- Low energy motor with a maximum consumption of 6 Watts
- Low SFP of just 0.24W/l/s
- Complete with integral backdraught shutters
- Complies with both Part F & L
- Suitable for ceiling or wall mounting
- Made in the UK

## Bathroom Zone Diagram



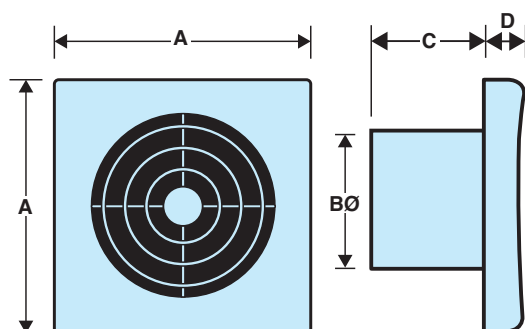
## Technical Details

### Cat. No. Product type

<b>QF100SX50P</b>	Standard model suitable for zone 1 installation
<b>QF100TX50P</b>	Timer model incorporating an adjustable run on timer (5-30mins)
<b>QF100HTX50P</b>	Humidity control model with adjustable run on timer (5-30mins). Humidity adjustable between 40%-90% RH (passive infra-red) detector and overrun timer. The fan starts automatically when a movement is detected and will continue to operate for the set overrun time period. Option to wire into lighting circuit for additional activation.
<b>QF100PIRX50P</b>	

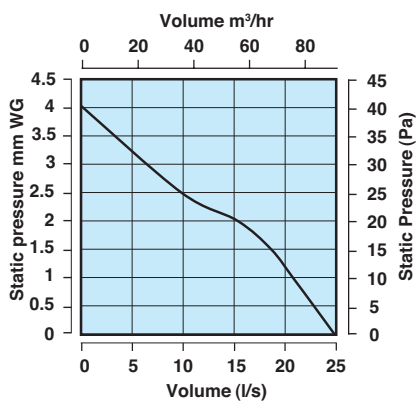
### Dimensions (mm)

<b>A</b>	<b>BØ</b>	<b>C</b>	<b>D</b>
160	99	80	25



### Performance Graph

QF100 X5 90m<sup>3</sup>/hr, 25 litres per second



### Packaging

Quiet fan IPX5 range packed in outers of 10. Contact our technical department for packaging dimensions.

### Electrical

220-240V~50Hz AC Single Phase consuming 6 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.

### Additional Data

Flow Rate: 25l/s, 90m<sup>3</sup>/hr  
 Sound Volume: 25dB(A)  
 Maximum Operating Temperature: 40°C  
 Operating wattage: 6W  
 Warranty: 3 years  
 IP Rating: IPX5, Zone 1 Compliant



# Quiet Fan Conceal Range

## Domestic Range

CQF100



The Manrose Quiet Fan Conceal offers a low sound level of only 27dB(A), has a tile like front cover, and is now available as a humidistat model.

Designed for wall and panel mounting, this comprehensive range is ideal for bathrooms and toilets.

The unit also comes complete with a performance enhancing turning vane system located in the spigot to improve performance by maintaining a high output.

- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Manufactured using high gloss thermoplastics for strength and durability
- Decibel Level of ONLY 27dB(A) at 3m. Over 60% reduction in comparison to standard 4" (100mm) domestic fans.
- An impressive extraction rate of 75m<sup>3</sup>/hr, 21 litres per second
- Low energy motor with a maximum consumption of 7 Watts
- Complete with integral backdraught shutters
- Humidity controlled version with fixed over run

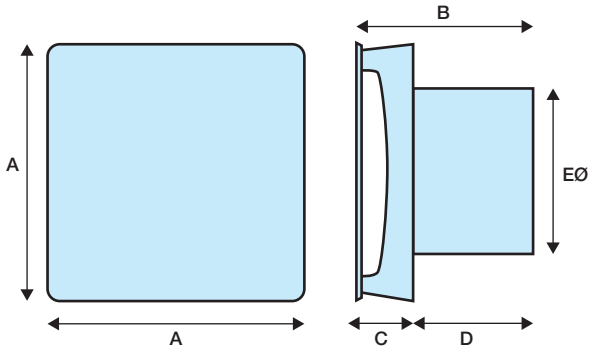
# Technical Details

## Cat. No. Product type

<b>CQF100S</b>	Standard model for remote switching
<b>CQF100T</b>	Timer model incorporating integral adjustable electronic timer (1-20mins)
<b>CQF100HT</b>	Humidity model with fully adjustable humidity sensor & integral fixed electronic timer

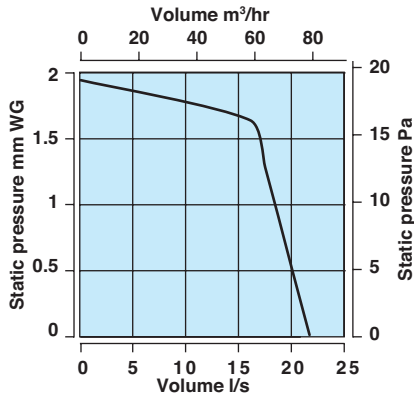
## Dimensions (mm)

A	B	C	D	EØ
159	121	41	80	99



## Performance Graph

CQF100 75m<sup>3</sup>/hr, 21 litres per second



## Electrical

220-240V~50Hz AC Single Phase consuming 7 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

Fan Speed: 2300 r.p.m.  
 Sound Volume: 27 dB(A)  
 Maximum Operating Temperature: 40°C

# Silent Fan Conceal Range

## Domestic Range

CSF100



The Manrose Silent Fan Conceal offers a low sound level of only 16dB(A), comes with a tile like front cover and is now available as a humidistat model.

Designed for wall and panel mounting, this attractive fan is ideal for bathrooms and toilets.

The unit also comes complete with a performance enhancing turning vane system located in the spigot to improve performance by maintaining a high output.

- Select from 2 speeds - 15 l/s or 21 l/s
- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Decibel Level of ONLY 16dB(A) at 3m
- An impressive extraction rate of 75m<sup>3</sup>/hr, 21 litres per second on high speed
- Low energy motor with a maximum consumption of 7 Watts
- Complete with integral backdraught shutters
- Available in Standard, Timer and Humidity controlled version with fixed over run

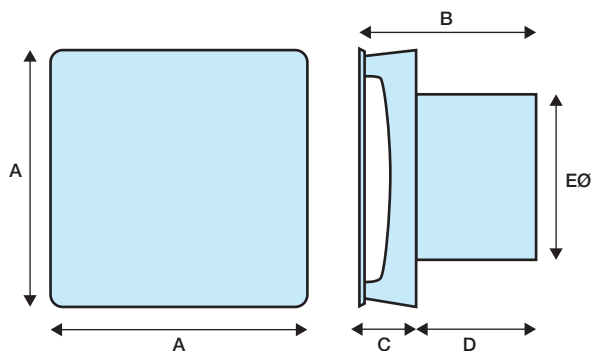
## Technical Details

### Cat. No. Product type

<b>CSF100S</b>	Silent Conceal 100 Standard
<b>CSF100T</b>	Silent Conceal 100 Timer
<b>CSF100H</b>	Humidity model with fully adjustable humidity sensor & integral fixed electronic timer

### Dimensions (mm)

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>EØ</b>
159	121	38	80	99



### Performance Graph

Cat. No.	Extract rate l/s	Sound dB(A)
CSF100 - Low speed	15	16
CSF100 - High speed	21	29

### Electrical

220-240V~50Hz AC Single Phase consuming 7 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

Fan Speed: 2300 r.p.m.  
 Sound Volume: 16 / 29 dB(A)  
 Maximum Operating Temperature: 40°C

# Gold Range Domestic Range

MG100/MG150



The Manrose Gold range extractor fans are installed with a high quality ball bearing motor. This unique design feature promotes the life of the fan ventilating your home twice as long and quietly.

- 5 year no quibble guarantee.
- Longer lasting ball bearing motor.
- Available in 2 sizes, 100mm (4") and 150mm (6").
- Suitable for wall or ceiling mounting.
- Complies with the Building Regulations.
- Manufactured using high gloss ABS thermoplastics for strength, durable and easy cleaning.
- The Gold range is designed for wall or ceiling mounting (pullcord wall mounting only). These fans can be window mounted using our window kit available separately.



## Technical Details

### Cat. No.

MG100S/MG150BS

### Product type

Standard model for remote switching

MG100P/MG150BP

As above supplied with pullcord switch

MG100A/MG150ABS

Standard Automatic model for remote switching

MG150ABP

As above supplied with pullcord switch

MG100T/MG150BT

Timer model incorporating integral adjustable electronic timer (1-20 mins)

MG150BTP

As above supplied with pullcord switch

MG100AT/MG150ABT

Automatic model incorporating integral adjustable electronic timer (1-20 mins)

MG100ATP

As above supplied with pullcord switch

MG100H/MG150BH

Humidity Control which is adjustable between 40%RH and 95%RH complete with integral adjustable electronic timer (1-20 mins)

MG100HP/MG150BHP

As above supplied with pullcord override switch. Requires no switch live

MG100AH

Automatic model with Humidity control which is adjustable between 40%RH and 95%RH complete with integral adjustable electronic timer (1-20 mins)

MG100AHP

As above supplied with pullcord switch

MG100PIR/MG150BPIR

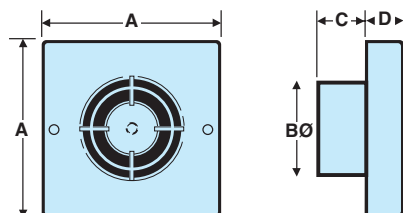
PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch. Timer adjustable between (1-20 mins) Requires no switch live

MG100APIR

Automatic model as above

### Dimensions (mm)

PRODUCT	A	BØ	C	D
MG100	163	98	45	30
MG150B	203	150	45	50
MG100A	163	98	55	53
MG150AB	203	150	43	72



### Packaging

All models packed in outers of 10. Contact our technical department for packaging dimensions.

### Electrical

220-240V~50Hz AC Single phase consuming 20 Watts on the 100 series and 25 Watts on the 150 series. 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

#### 100mm (4") Range

Fan speed: 2400 r.p.m.

Sound volume: 41.0 dB(A)

Maximum operating temperature: 40°C

#### 150mm (6") Range

Fan speed: 2400 r.p.m.

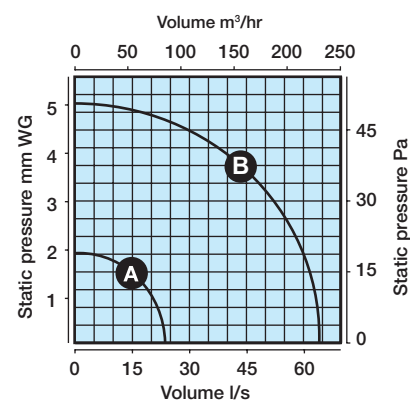
Sound volume: 40.0 dB(A)

Maximum operating temperature: 40°C

### Performance Graphs

(A) MG100 Series 85m<sup>3</sup>/hr, 23 litres per second

(B) MGA150 Series 230m<sup>3</sup>/hr, 64 litres per second



# Haylo Range

## Domestic Range

HAYLO100/HAYLO150



The Haylo range from Manrose offers a range of circular kitchen and bathroom fans designed for the residential market.

The 100mm range comes complete with a standard white finish, both bezel and grille, also contained within the box is a chrome bezel and a chrome interchangeable grille.

The 150mm range comes complete with a standard white finish, both bezel and grille, also contained within the box is brushed steel finished bezel and brushed steel interchangeable grille.

- Provides required performance of 54m<sup>3</sup>/h (15l/s) - bathrooms and 216m<sup>3</sup>/h (60l/s) - kitchens to comply with Building Regulations (Document F).
- Panel or wall mounting.
- Model options include pullcord or timer control.
- Integral backdraught shutter.

## Technical Details

### Cat. No. Product type

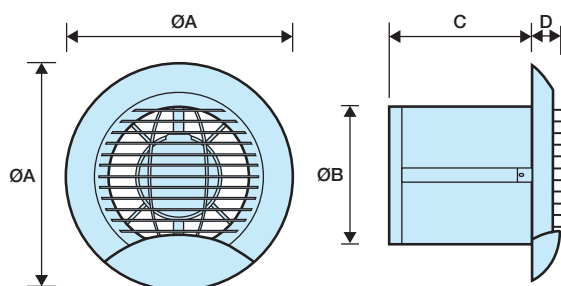
**HAYLO100S** Single speed 100mm bathroom/toilet fan with backdraught shutter.

**HAYLO100T** Single speed 100mm bathroom/toilet fan with integral adjustable overrun timer - up to 30 mins and backdraught shutter.

**HAYLO150P** Single speed 150mm bathroom/toilet fan with pull cord and backdraught shutter.

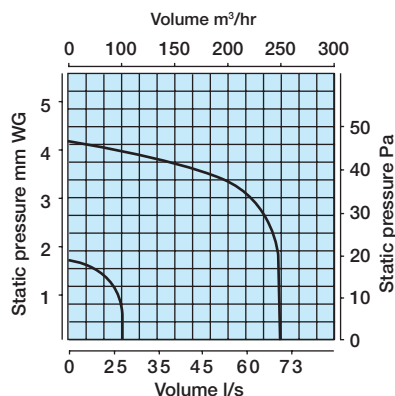
### Dimensions (mm)

PRODUCT	ØA	ØB	C	D
HAYLO100	157	98	107	19
HAYLO150	201	144	123	19



### Performance Graph

HAYLO100 - 95m<sup>3</sup>/hr 26l/s  
 HAYLO150 - 258m<sup>3</sup>/hr 71l/s



### Packaging

Haylo series packed in outers of 8. Contact our technical department for packaging dimensions

### Electrical

220-240V~50Hz AC  $\square$ . Single phase consuming 16 Watts on the 100mm series and 23 Watts on the 150mm series. 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

#### 100mm (4") Range

Sound volume: 34.0 dB(A)  
 Maximum operating temperature: 40°C

#### 150mm (6") Range

Sound volume: 44.0 dB(A)  
 Maximum operating temperature: 40°C

# Flat Fan Range

## Domestic Range

FLAT100S/FLAT150S



100mm and 150mm panel axial fans for bathrooms, cloakrooms and kitchens. Slim profile only 15mm. Suitable for wall or panel mounting using the appropriate fixing kit.

- Exceeds required performance within bathroom and kitchen applications, under the Building Regulation (Document F).
- Panel or Wall mounting.
- Model options with timer control.
- Integral backdraught shutters.

# Technical Details

## Cat. No. Product type

### Bathroom & Toilet Fans

**FLAT100S** Single speed axial fan with integral backdraught shutters for remote or light switch operation

**FLAT100T** Single speed axial fan with electronic over-run timer – up to 30 mins and integral backdraught shutters

**FLAT100H** Humidity version

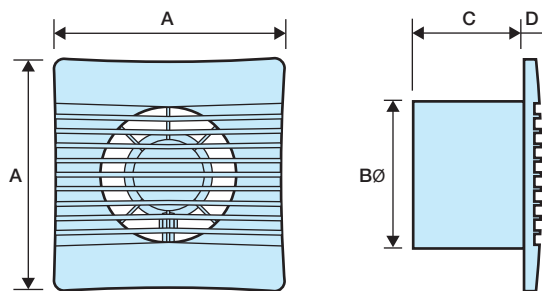
### Kitchen & Utility Room Fans

**FLAT150S** Single speed axial fan with integral backdraught shutters for remote or light switch operation

**FLAT150T** Timer version

## Dimensions (mm)

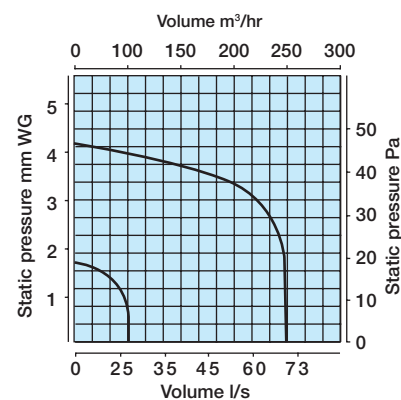
PRODUCT	A	BØ	C	D
FLAT100S	159	98	70	15
FLAT100T	159	98	70	15
FLAT100H	159	98	70	15
FLAT150S	225	144	93	15
FLAT150T	225	144	93	15



## Performance Graph

Flat100 - 75m³/hr 21l/s

Flat150 - 258m³/hr 71l/s



## Packaging

Flat Fan series packed in outers of 10. Contact our technical department for packaging dimensions

## Electrical

220-240V~50Hz AC. Single phase consuming 14 Watts on the 100 series and 16 Watts on the 150 series. 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

### 100mm (4") Range

Sound volume: 38.0 dB(A)

Maximum operating temperature: 40°C

### 150mm (6") Range

Sound volume: 45.0 dB(A)

Maximum operating temperature: 40°C

# Continuum Axial Fan Range

## Domestic Range

### CONTINUUM AXIAL FAN



100mm Continuous running axial fan for bathrooms and kitchens. Discreet styling with flat fascia reducing the impact the fan has on interior design. Suitable for wall or ceiling mounting using the appropriate fixing kit.

Designed to comply with Building Regulations for whole house system ventilation, this sleek fan can be used in a wet room under Continuous Mechanical Extract Ventilation (formerly System 3 in previous Building Regulations).

This attractive fan is also very energy efficient running at just 3.5W on trickle speed.

- Provides required performance to fulfil Building Regulations for continuous operation. Trickle speed 8 l/s, Boost speed 15l/s.
- Ceiling or Wall mounting.
- Timer control model and Humidity controlled model with fixed timer.
- Very quiet continuous speed - only 15dB(A) running.
- Only 3.5W on trickle.

#### Why choose continuous running fans?

Continuous running fans, like the Continuum range, have been designed to meet the requirements of the Building Regulations for bathrooms, kitchens, utility rooms and toilets (other models available). The fan is designed to run all of the time, keeping homes fresh, healthy and free from condensation.

#### What does it do?

The fan is designed to run continuously at a very low rate and boost automatically when required. The low running rate means it has extremely low noise levels. In addition even though the fan will be running continuously, running costs will still be low because this fan costs less to run than a low energy light bulb!

#### How will it help?

This fan will help prevent the build-up of moisture in the home by removing steam and odours. This will help reduce the risk of black mould forming on walls and behind cupboards.

## Technical Details

### Cat. No. Product type

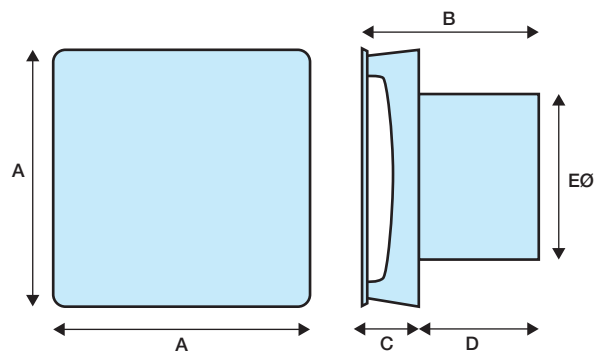
#### 100mm Continuous running axial fan for bathrooms and kitchens

**CRA100T** Continuous running axial fan with timer. Constant trickle speed with switch live to boost.

**CRA100HT** Continuous running axial fan with Humidity sensor and timer. Constant trickle with switch live to boost

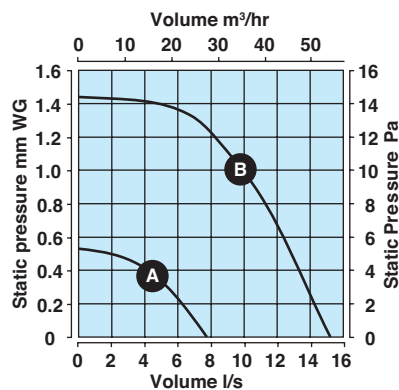
### Dimensions (mm)

PRODUCT	A	B	C	D	EØ
CRA100(T& HT)	159	121	41	80	99



### Performance Graph

(A) Trickle, 8 litres per second  
(B) Boost, 15 litres per second



### Packaging

Continuous running axial flat fan series packed in outers of 10. Contact our technical department for packaging dimensions.

### Electrical

220-240 V/AC. 50Hz single phase powering a low energy motor consuming 3.5W on trickle, and 5.5W on boost. 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 3amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted to a minimum of 1.8 metres from the floor.

### Additional Data

#### 100mm (4") Range

Sound volume: 15dB(A) - Trickle  
25dB(A) - Boost

Maximum operating temperature: 40°C

# Lo Profile Range

## Domestic Range

LP100/LP150



The Manrose Lo Profile fan has a unique design which enables it to fit unobtrusively into any wall or ceiling. Its flush fitting allows the fan to blend into the decor of the room.

- Long life motor.
- Only 10mm profile.
- Easy to install & maintain.
- Designed for Wall or Ceiling Mounting. Designed to comply with the Building Regulations on ventilation (F1).
- Available in White and Chrome with Square or Circular Front Covers.
- Quiet and efficient, the Lo Profile Fans have extraction rates of 85m<sup>3</sup>/hr or 23 litres per second - 100mm (4") 230m<sup>3</sup>/hr or 64 litres per second - 150mm (6").



## Technical Details

### Cat. No.

### Product type

#### Square Front Cover

LP100/150SSW	Low Profile Standard model for remote switching - White
LP100/150SSC	Low Profile Standard model for remote switching - Chrome
LP100/150STW	Low Profile Timer model incorporating integral adjustable electronic timer (1-20 mins) - White
LP100/150STC	Low Profile Timer model incorporating integral adjustable electronic timer (1-20 mins) - Chrome
LP100/150SLVW	Low Profile STD (low voltage) - White
LP100/150SLVC	Low Profile STD (low voltage) - Chrome

#### Circular Front Cover

LP100/150CSW	Low Profile Standard model for remote switching - White
LP100/150CSC	Low Profile Standard model for remote switching - Chrome
LP100/150CTW	Low Profile Timer model incorporating integral adjustable electronic timer (1-20 mins) - White
LP100/150CTC	Low Profile Timer model incorporating integral adjustable electronic timer (1-20 mins) - Chrome
LP100/150CLVW	Low Profile STD (low voltage) - White
LP100/150CLVC	Low Profile STD (low voltage) - Chrome

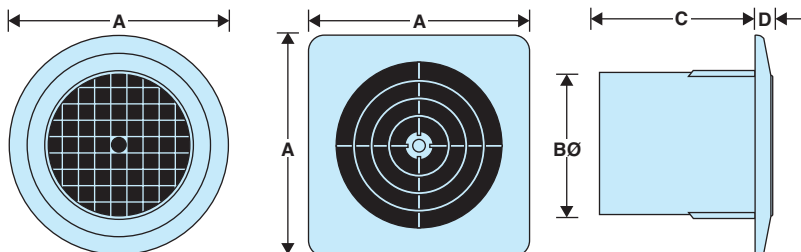
### Dimensions (mm)

PRODUCT	A	BØ	C	D
LP100S	140	103	100	10
LP100C	140Ø	103	100	10
LP150S	191	153	122	10
LP150C	198Ø	153	122	10

LP100/150C Series

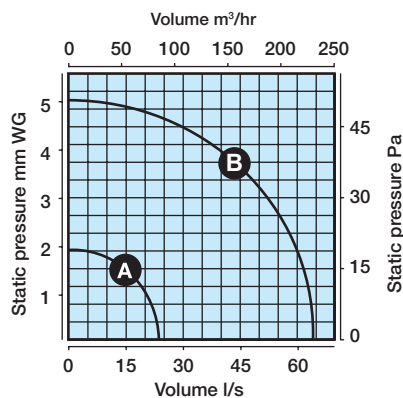
LP100/150S Series

LP100/150 Series



### Performance Graph

(A) LP100 Series 85m<sup>3</sup>/hr, 23 litres per second  
 (B) LP150 Series 230m<sup>3</sup>/hr, 64 litres per second



### Packaging

In outers of 10, for packaging dimensions contact our technical department.

### Installation

Designed for wall or ceiling mounting through either 100mm(4"), 150mm(6") diameter flexible or rigid pipes or Manrose low profile, flat channel ducting systems.

### Electrical

220-240V~50Hz AC Single phase consuming 17 Watts (100mm) and 25 Watts (150mm). 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

#### 100mm (4") Range

Fan speed: 2400 r.p.m.  
 Sound volume: 41.0 dB(A)  
 Maximum operating temperature: 40°C

#### 150mm (6") Range

Fan speed: 2400 r.p.m.  
 Sound volume: 40.0 dB(A)  
 Maximum operating temperature: 40°C

# RT Deco Range

## Domestic Range

DECO100/DECO150



The RT Deco range is designed to complement stylish bathrooms, with an unobtrusive, sleek design.

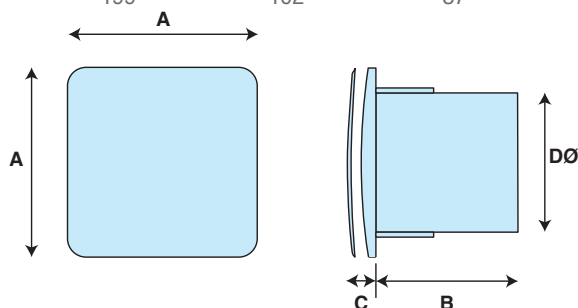
- Unique square tile design.
- Long life motor.
- Easy to install and maintain.
- Designed for Wall mounting. Design to comply with the Building regulations on ventilation (F1).
- Quiet and efficient, the RT Deco fans have extraction rates of 75m<sup>3</sup>/hr 100mm (4").
- 150mm (6") models have a performance of 220m<sup>3</sup>/hr.
- Available in White and Brushed Aluminium

## Technical Details

Cat. No.	Product type
DECO100SW	100mm Standard Fan With White Front Cover
DECO100SC	100mm Standard Fan With Brushed Aluminium Front Cover
DECO100TW	100mm Timer Fan With White Front Cover
DECO100TC	100mm Timer Fan With Brushed Aluminium Front Cover
DECO100HW	100mm Humidity Fan With Integral Timer With White Front Cover
DECO150SW	150mm Standard Fan With White Front Cover
DECO150TW	150mm Timer Fan With White Front Cover

### Dimensions (mm)

Product	A	B	C	DØ
DECO100	140	115	35	98
DECO150	199	102	37	148



### Installation

Designed for wall or ceiling mounting through 100mm diameter flexible or rigid pipes or Manrose low profile, flat channel ducting systems.

### Electrical

220-240V~50Hz AC Single phase consuming 17 Watts on the 100mm series and 25 Watts on the 150mm series. 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 bath and mounted a minimum of 1.8 metres from the floor.

### Additional Data

#### 100mm (4") Range

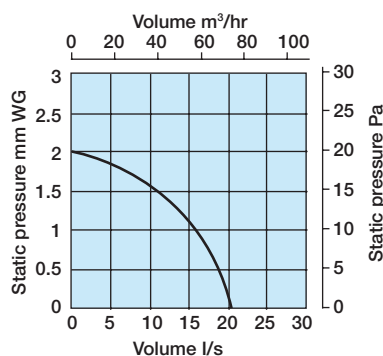
Fan speed: 2400 r.p.m  
 Sound volume: 41 dB(A)  
 Maximum operating temperature: 40°C

#### 150mm (6") Range

Fan speed: 2400 r.p.m  
 Sound volume: 41 dB(A)  
 Maximum operating temperature: 40°C

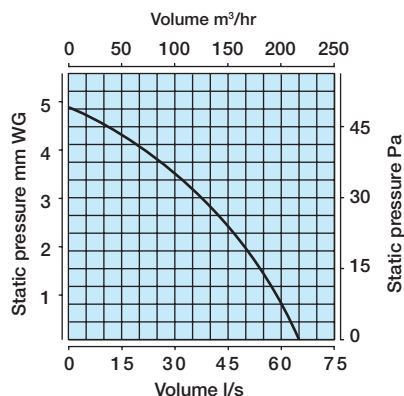
### Performance Graph

DECO100 Range 75m<sup>3</sup>/hr, 21 litres per second



### Performance Graph

DECO150 Range 220m<sup>3</sup>/hr, 62 litres per second



# 100mm (4") Fan Range

## Domestic Range

XF100/WF100



- Designed for wall, ceiling or window mounting, this comprehensive range offers a wide selection of models for use in bathrooms and toilets.
- Quiet and efficient, the 100mm (4") series has an impressive extract rate of 85m<sup>3</sup>/hr, 23 litres per second.
- The units are all manufactured using high gloss 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.
- Designed to comply with the Building Regulations on Ventilation (F1).

## Technical Details

### Cat. No. Product type

#### 100mm (4") Wall/Ceiling Fans

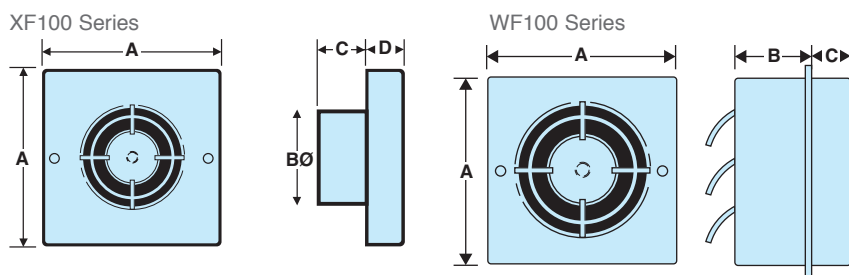
<b>XF100S</b>	Standard model for remote switching
<b>XF100P</b>	As above supplied with pullcord switch
<b>XF100T</b>	Timer model incorporating integral adjustable electronic timer (1-20 mins)
<b>XF100TSS</b>	As above with shallow spigot
<b>XF100TP</b>	As above but with pullcord override switch. Requires no switched live
<b>XF100H</b>	Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins)
<b>XF100HP</b>	As above but with pullcord override switch. Requires no switched live
<b>XF100PIR</b>	PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live

#### 100mm (4") Window Fans

<b>WF100P</b>	Pullcord model
<b>WF100S</b>	Standard model
<b>WF100T</b>	Timer model incorporating integral adjustable timer (adjustable 1-20 mins) Complete with pullcord switch
<b>WF100H</b>	Humidity control which is adjustable between 40% RH and 95% Complete with integral adjustable timer (1-20 mins)
<b>WF100PIR</b>	PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live

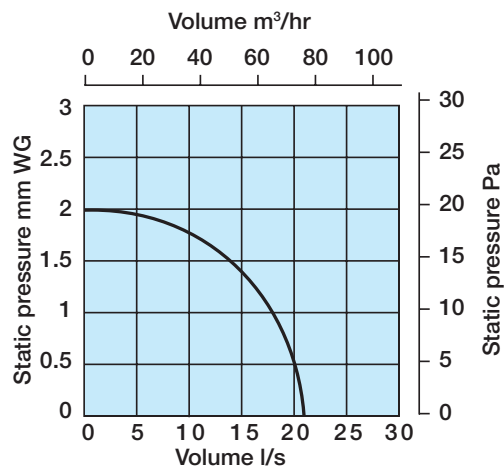
### Dimensions (mm)

PRODUCT	A	B	C	D
XF100	163	98Ø	45	30
WF100	163	60	30	
XF100TSS	163	98	10	



### Performance Graph

XF/WF100 Series 85m<sup>3</sup>/hr, 23 l/s



### Packaging

XF100 Series in outers of 10 measuring 370mm x 200mm x 560mm - weight 7kg

WF100 Series in outers of 10 measuring 360mm x 210mm x 570mm - weight 9kg

### Installation

XF100 Series designed for wall mounting (pullcord version wall mounting only) through 100mm (4") diameter flexible or rigid pipes or Manrose low profile, flat channel ducting systems.

WF100 Series designed for window mounting through a standard 115 - 155mm Ø hole.

### Electrical

220-240V~50Hz AC . Single phase consuming 20 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

#### 100mm (4") Range

Fan speed: 2400 r.p.m.

Sound volume: 41.0 dB(A)

Maximum operating temperature: 40°C.

# 120mm (5") Fan Range

## Domestic Range

XF120/WF120



- Designed for wall, ceiling or window mounting, the efficient range of axial flow extractor fans are available in eleven options.
- The XF/WF120 range of 120mm (5") bathroom/toilet fans are quiet in operation, easy to install and possess the latest design technology.
- 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 10% larger in surface area.
- 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 gloss ABS thermoplastics for strength, durability, aesthetics and easy cleaning.
- The 120mm (5") series complies with the Building Regulations on Ventilation (F1).

# Technical Details

## Cat. No. Product type

### 120mm (5") Wall/Ceiling Fans

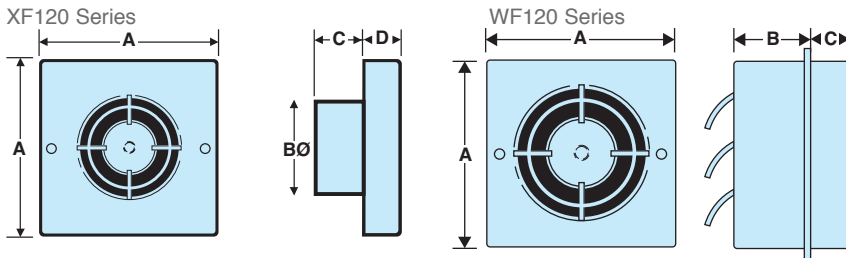
<b>XF120S</b>	Standard model for remote switching
<b>XF120P</b>	As above supplied with pullcord switch
<b>XF120T</b>	Timer model incorporating integral adjustable electronic timer (1-20 mins)
<b>XF120TP</b>	As above but with pullcord override switch. Requires no switched live
<b>XF120H</b>	Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins)
<b>XF120HP</b>	As above but with pullcord override switch. Requires no switched live
<b>XF120PIR</b>	PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live

### 120mm (5") WINDOW FANS

<b>WF120P</b>	Pullcord model
<b>WF120T</b>	Timer model incorporating integral adjustable timer (adjustable 1-20 mins) Complete with pullcord switch
<b>WF120H</b>	Humidity control which is adjustable between 40% RH and 95% Complete with integral adjustable timer (1-20 mins)
<b>WF120PIR</b>	PIR activated model which switches on as a person enters the room and runs on after the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live

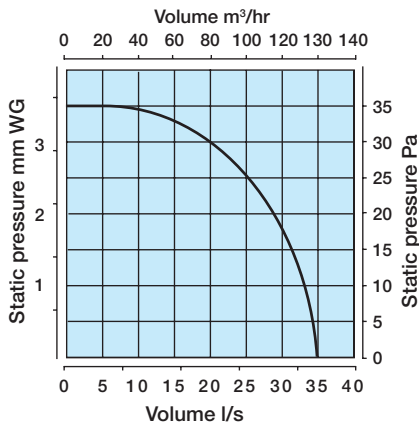
## Dimensions (mm)

PRODUCT	A	B	C	D
XF120	182	118Ø	46	32
WF120	182	60	32	



## Performance Graph

XF/WF120 Series 130m<sup>3</sup>/hr, 36 litres per second



## Packaging

XF120 Series in outers of 10 measuring 400mm x 215mm x 490mm - weight 8kg

WF120 Series in outers of 10 measuring 446mm x 225mm x 550mm - weight 10kg

## Installation

XF120 Series designed for wall or ceiling mounting, (pullcord wall-mounting only).

WF120 Series designed for window mounting through a standard 140mm x 150mm ø hole.

## Electrical

220-240V~50Hz AC 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

Fan speed: 2000 r.p.m.

Sound volume: 41.0 dB(A)

Maximum operating temperature: 40°C

# 150mm (6") Fan Range

## Domestic Range

XF150B / WF150B



- Designed for wall, ceiling or window mounting, the efficient and easy to install range of 150mm (6") extractor fans are available in twelve options, and is an alternative style and design to the traditional 6" kitchen style.
- The fans are suited to larger bathrooms, utility rooms, shops, offices, restaurants, etc. Power is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- The extract rate for the 150B Series is 230m<sup>3</sup>/hr, 64 litres per second.
- Incorporating the latest technology and design, Manrose can now offer a complete family of 100mm (4"), 120mm (5") and 150mm (6") fans, all with the same styling.
- The units are all manufactured using high gloss ABS thermoplastics for strength, durability, aesthetics and easy cleaning.
- Designed to comply with the Building Regulations on Ventilation (F1).



## Technical Details

### Cat. No. Product type

<b>XF150BS</b>	Standard model for remote switching
<b>XF150BP</b>	As above supplied with pullcord switch
<b>XF150BT</b>	Timer model incorporating integral adjustable electronic timer (1-20 mins)
<b>XF150BTP</b>	As above but with pullcord override switch. Requires no switched live
<b>XF150BH</b>	Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins).
<b>XF150BHP</b>	As above but with pullcord override switch. Requires no switched live
<b>XF150BPIR</b>	PIR activated model with adjustable timer with presence detection, timer runs on when the room is vacated.
<b>WF150BP</b>	Pullcord switch
<b>WF150BT</b>	Electronic timer with pullcord override switch and neon light
<b>WF150BH</b>	Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins).
<b>WF150BPIR</b>	PIR activated model with timer and presence detection, timer runs on when the room is vacated. There is no need to connect to a separate switch Timer adjustable between 1-20 mins. Requires no switched live

### Packaging

XF150B Series in outers of 10 measuring 595mm x 245mm x 450mm - weight 11kg


WF150B Series in outers of 10 measuring 460mm x 640mm x 240mm - weight 17kg

### Installation

XF150B Series designed for wall or ceiling mounting (pullcord wall-mounting only). Wall fixing kit is available separately The SVK (1280).

WF150B Series. These fans are designed to be fitted in a window.

### Electrical

220-240V~50Hz AC . Single phase consuming 25 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 1.8 metres from the floor.

### Additional Data

#### 150mm (6") Range

Fan speed: 2400 r.p.m.

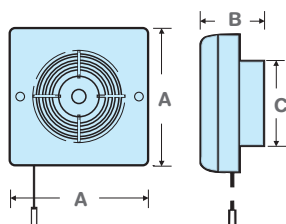
Sound volume: 40.0 dB(A)

Maximum operating temperature: 40°C

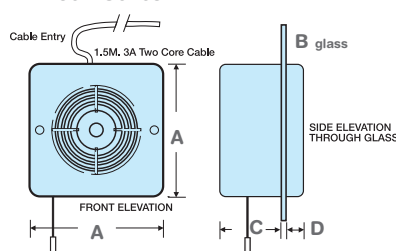
### Dimensions (mm)

PRODUCT	A	B	C	D
XF150B	203	95	150Ø	
WF150B	203	4-32	95	23

#### XF150B Series

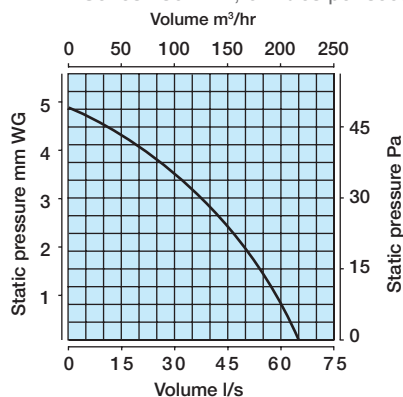


#### WF150B Series



### Performance Graph

XF/WF Series 230m<sup>3</sup>/hr, 64 litres per second



# Automatic Shutter Fan Range

## Domestic Range

XF/WF100A/120A/150A



- Designed for wall, ceiling or window mounting, the Automatic extractor fan range incorporates thermo-activated internal shutters behind the interior grille which open silently approximately 45 seconds after the fan is switched on.
- The range is available in three sizes - 100mm (4"), 120mm (5") and 150mm (6").
- The extract rate of the 100mm series is 85m<sup>3</sup>/hr, 23 litres per second, whilst the 120mm units for larger bathrooms, toilets and utility rooms are 56% more powerful with an impressive extract rate of 130m<sup>3</sup>/hr, 36 litres per second. The largest fan in this range, the 150mm (6"), has a maximum performance of 230m<sup>3</sup>/hr, 64 litres per second.
- Power is provided by a single phase induction motor with pre-oiled bearings for a maintenance-free life.
- The units are all manufactured using high gloss ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Designed to exceed the Building Regulations on Ventilation (F1).

# Technical Details

## Cat. No.

XF100/120A/XFA150BS  
WF100/120A/WFA150BS

## Product type

Standard model for remote switching

XF100/120AP/XFA150BP  
WF100/120AP/WFA150BP

As above supplied with pullcord switch

XF100/120AT/XFA150BT

Timer model incorporating integral adjustable electronic timer (1-20 mins)

XF100/120ATP/XFA150BTP  
WF100/120ATP/WFA150BTP

As above with pullcord override switch. Requires no switched live

XF100/120AH/XFA150BH

Humidity control which is adjustable between 40 and 95% RH Complete with integral adjustable timer (1-20 mins)

XF100/XFA150BHP  
WF100/120AHP/WFA150BHP

As above with pullcord override switch. Requires no switched live

XF100/120APIR/XFA150BPIR  
WF100/120APIR/WFA150BPIR

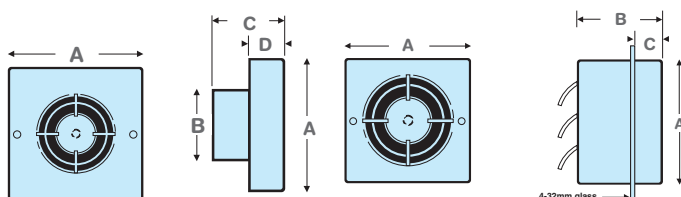
PIR activated model with timer for presence detection (1-20 mins) Requires no switched live

## Dimensions (mm)

PRODUCT	A	B	C	D
XF100A	163	98Ø	108	53
XF120A	182	118Ø	112	59
XFA150B	203	150Ø	115	72
WF100A	163	115	53	
WF120A	182	119	59	
WFA150B	203	133	72	

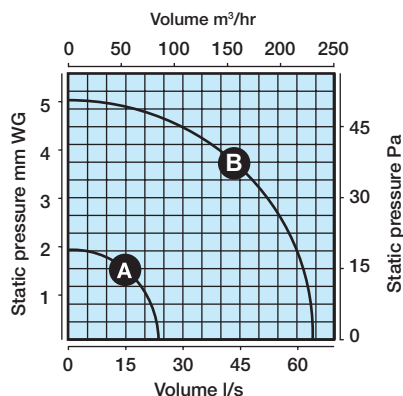
XF Series

WF Series



## Performance Graph

- (A) XF/WF100A Series 85m<sup>3</sup>/hr, 23 litres per second
- (B) XF/WF120A Series 130m<sup>3</sup>/hr, 36 litres per second
- (C) XF/WFA150B Series 230m<sup>3</sup>/hr, 64 litres per second



## Packaging

XF100A Series in outers of 10 measuring 595mm x 365mm x 205mm - weight 9kg

WF100A Series in outers of 10 measuring 360mm x 210mm x 695mm - weight 9kg

XF120A Series in outers of 10 measuring 760mm x 224mm x 447mm - weight 10kg

WF120A Series in outers of 10 measuring 760mm x 224 x 447 - weight 11kg

XFA150B/WFA150B Series in outers of 10. For packaging dimensions, contact our technical department

## Installation

XF100/120A/XFA150B Series designed for wall or ceiling mounting (pullcord wall mounting only). WF100/120A/WFA150B Series designed for window mounting.

## Electrical

220-240 - AC. 50Hz . Single phase consuming 20 Watts on the 100A, 23 Watts on the 120A series and 25 Watts on the A150B series. 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 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

### 100mm (4") Range

Fan speed: 2400 r.p.m.  
Sound volume: 41.0 dB(A)  
Maximum operating temperature: 40°C

### 120mm (5") Range

Fan speed: 2000 r.p.m.  
Sound volume: 41.0 dB(A)  
Maximum operating temperature: 40°C

### 150mm (6") Range

Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature: 40°C

# 12 Volt SELV Fan Range

Safety Extra Low Voltage Bathroom/Shower Extractor Fans

## Domestic Range

LOW VOLTAGE RANGE 100/120/150MM



- Designed for wall, ceiling or window mounting, the 12 Volt SELV fans are available in three diameters - 100mm (4"), 120mm (5") and 150mm (6").
- Suitable for mounting within the Zone 1 splash area of a shower or bath (where current regulations prevent the use of conventional fans), the 12 Volt fan is a standard model manufactured with a 12V - 50Hz shaded pole motor. The transformer and switching mechanism is mounted remotely either in the roof space or high on the ceiling next to the pullcord switch. Pullcord, humidistat, PIR and versions have to be mounted inside the room where the fan is installed and out of the reach of the person using the bath or shower.
- A Centrifugal 12 Volt fan is available, fitted with a backward curved centrifugal impeller for large airflow against the high pressures caused by longer lengths of ducting and resistance by grilles.
- The extract rate of the 100mm (4") model is 85m<sup>3</sup>/hr 23 litres per second, the 120mm (5") 130m<sup>3</sup>/hr 36 litres per second and the 150mm 230m<sup>3</sup>/hr 64 litres per second.
- The CF200LV centrifugal fan has an extract rate of 110m<sup>3</sup>/hr 31 litres per second.
- The units are all manufactured using high impact 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.
- Designed to exceed the Building Regulations on Ventilation (F1).

# Technical Details

## Cat. No.

XF100LV/XF100ALV/  
XF100AHLV  
XF100LVT/ XF100HTLVT

WF100LVS/WF100ALV  
XF100HPLV

XF100HLV

XF120ALV  
WF120LV/WF120ALV  
XF150BLV/XF150ALV\*  
WF150BLV/WF150ALV\*  
CF200LV

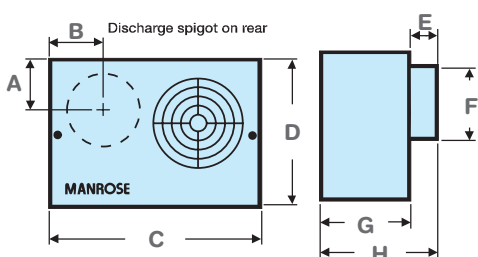
## Product type

Wall or ceiling model/Automatic wall or ceiling model  
Low voltage wall/ceiling mounted fan, timer delay and/ or humidity - transformer included  
Window model/Automatic window model  
Low Voltage wall/ceiling mounted fan, with humidity and pull cord. Requires a T12S transformer.  
Low Voltage wall / ceiling mounted fan with humidity. Requires T12S transformer.  
Automatic wall or ceiling model  
Window model/Automatic window model  
Wall or ceiling model/Automatic wall or ceiling model  
Window model/Automatic window model\*  
Wall or ceiling model\*  
\*Use LT12 Transformer

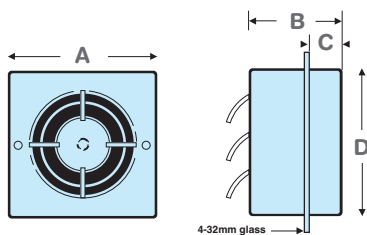
## Dimensions (mm)

PRODUCT	A	B	C	D	E	F	G	H
XF100LV	163	98Ø	75	30	163			
XF100HPLV	163	98Ø	75	30	163			
XF100HLV	163	98Ø	75	30	163			
XF100HTLVT	163	98Ø	75	30	163			
WF100LVS	163	90	30	163				
XF120LV	182	118Ø	78	32	182			
WF120LV	182	92	32	182				
XF150BLV	203	150Ø	95	-	203			
XF150ALV	203	150Ø	95	-	203			
WF150BLV	203	118	95	203				
WF150ALV	203	118	95	203				
CF200LV	65	65	260	185	45	100	90	135

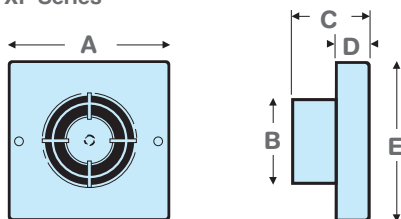
### CF Series



### WF Series

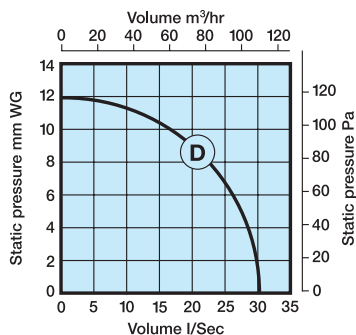
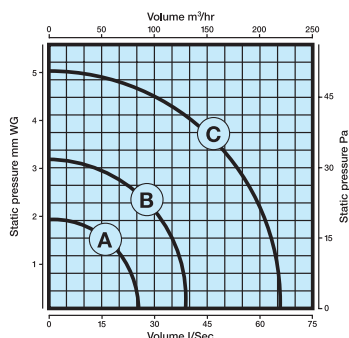


### XF Series



## Performance Graphs

- (A) XF/WF100LVS 85m<sup>3</sup>/hr, 23 litres per second
- (B) XF/WF120LV 130m<sup>3</sup>/hr, 36 litres per second
- (C) XF/WF150BLV 230m<sup>3</sup>/hr, 64 litres per second
- (D) CF200LV 110m<sup>3</sup>/hr, 31 litres per second



## Packaging

XF100LV/ALV In outers of 10 measuring 370mm x 200mm x 560mm - weight 7kg  
WF100LVS/ALV In outers of 10 measuring 360mm x 210mm x 510mm - weight 9kg  
XF120ALV In outers of 10 measuring 400mm x 215mm x 490mm - weight 8kg  
WF120LV/ALV In outers of 10 measuring 446mm x 225mm x 550mm - weight 10kg  
XF150BLV/ALV In outers of 10 measuring 595mm x 245mm x 450mm - weight 11kg  
WF150BLV/ALV In outers of 10 measuring 460mm x 640mm x 240mm - weight 17kg  
CF200LV In outers of 10 measuring 753mm x 283mm x 390mm - weight 12kg

## Electrical

12 volts AC. - 50Hz. 10W on XF/WF100, 25W on XF/WF120LV, XF/WF150BLV and CF200LV. Supplied by a remote safety isolating transformer - Manrose type T12/ LT12 series.

# T12/LT12 Series Remote Transformer Range Domestic Range

T12/LT12



- Designed to power 12V low voltage fans installed in the splash area of the shower or bath, the T12/LT12 series of Safety Extra Low Voltage (SELV) transformers can be mounted in the loft area (not Pullcord, Humidistat or PIR models) or high-up on the ceiling next to the pullcord light switch.
- There are 14 models in the range, all fitted with a neon light and complete with pattress.
- The units are manufactured using impact resistant, high gloss ABS thermoplastics for strength, durability and easy cleaning.



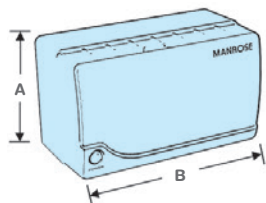
## Technical Details

Cat. No.	Product type
T12S/LT12S	Standard model for remote switching
T12P/LT12P	As above supplied with pullcord switch
T12T/LT12T	Timer model incorporating adjustable integral electronic timer (1-20mins)
T12TP/LT12TP	As above with pullcord override switch. Requires no switched live
T12H/LT12H	Humidity control which is adjustable between 40 and 95% RH. Complete with integral adjustable timer (1-20 mins)
T12HP/LT12HP	As above with pullcord override switch. Requires no switched live.
T12PIR/LT12PIR	The fan requires no switched live, has no requirement to connect to a separate switch and has an adjustable timer (1-20 mins). PIR Activated model which switches on when the room is entered and runs on when the room is vacated.

LT models are for use with 150 Range and CF200LV

### Dimensions (mm)

PRODUCT	A	B	C
T12S/T	86	147	66
T12P/TP/HP	82	145	65
LT12	82	145	78

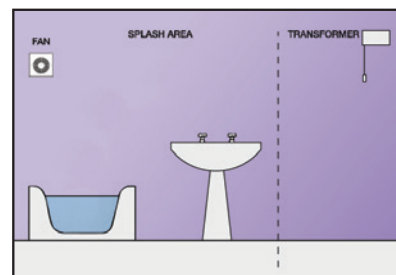
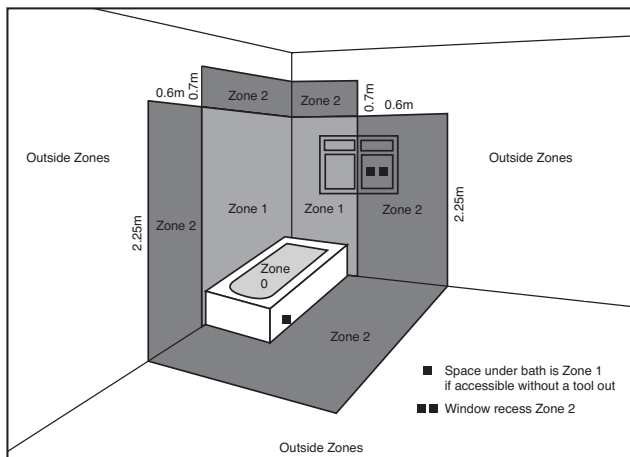


T12/LT12 Transformer

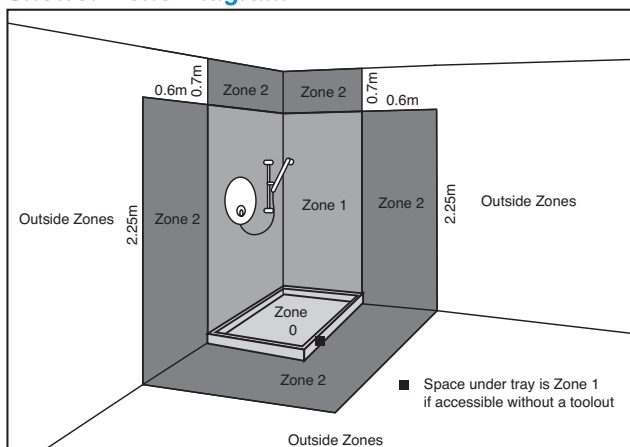
Fitted on standard 25mm deep double pattress



### Bathroom Zone Diagram



### Shower Zone Diagram



### Packaging

Packed in outers of 10 measuring 313mm x 97mm x 126mm - weight 10kg.

### Electrical

Input 220-240V - 50Hz . Output 12volt AC. 50Hz 25VA S.E.L.V. 35VA on LT Series. Must be mounted out of reach of the person using the bath or shower. These appliances are double insulated and do not require an earth, but must be connected to the supply through a suitable double pole isolating switch with a minimum contact gap of 3mm on fixed wiring circuits. The protective fuse must not exceed 3A and installation must be supervised by a qualified electrician. See zone diagram for transformer zone rating.

### Transformer

Construction of transformer in accordance with EN60742.

- Zone 0: The interior of the bath or shower tray.
- Zone 1: The exterior of the bath or shower tray to a height of 2.25 metres above the floor.
- Zone 2: Extends to 0.60 metres beyond Zone 1 to a height of 2.25 metres above the floor.



# LED Showerlite Range

## Domestic Range

LEDCLKTC/IWLEDCLKTC



Our 100mm Part L compliant shower light fan now comes with a 3W LED lamp. Our LED lamp consumes 90% less power than the standard dichroic lamp!

- The Manrose LED Showerlite is a distinctive shower light which is incorporated into a circular diffuser, suitable for showers and bathrooms. Available in 100mm (4").
- Warm or cool light options.
- The LED Showerlite can be used within the Zone 1 splash area of the shower or bath and is powered by a SELV LED Driver.
- Part F and L compliant with a specific fan power down to 0.43 W/l/s.
- Available in two colours; white and chrome, the Manrose LED Showerlite will enhance any shower or bathroom providing a rich warm glow of soft light.
- The LED Showerlite is available in boxed carton packaging. Each pack is supplied complete with fan, Showerlite unit, LED Driver, one length of 1.5m PVC flexible ducting, external wall grille, fixing screws, plugs and straps.





# Technical Details

**Cat. No.**    **Product type**

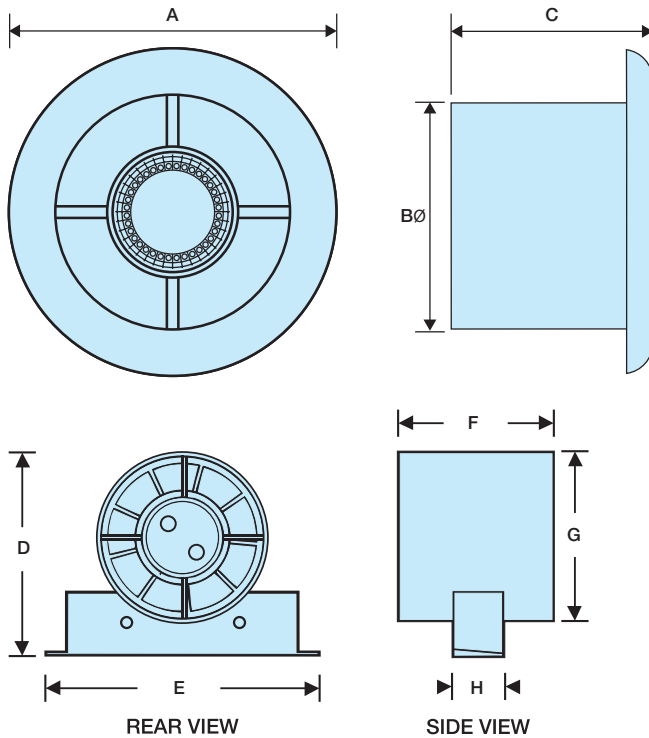
**Boxed Cartons**

**LEDSLKTC**    100mm Showerlite fan kit, complete with turning vane, backdraught shutter and an adjustable over run timer (1-20mins) with chrome/white fitting showerlite and 12 volt LED Driver. Also comes with 1.5m PVC ducting, butterfly clips, cable ties, screw plugs as well as an external grille. Warm light LED, Lumens output 180-200lm.

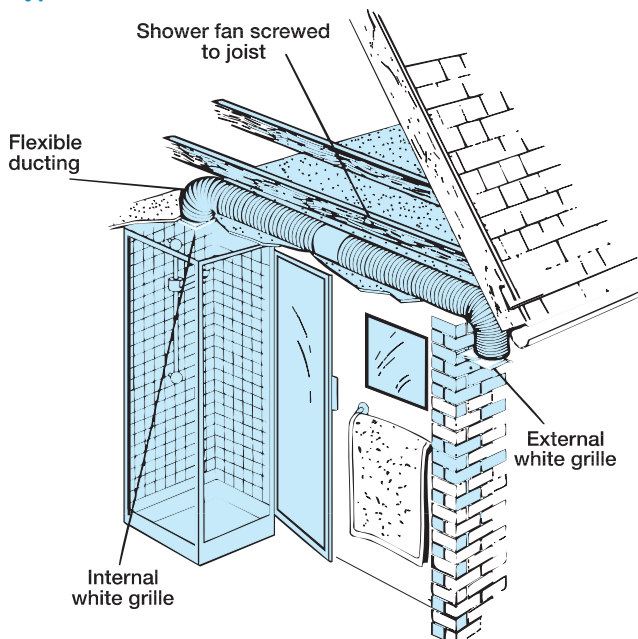
**IWLEDSLKTC**    As above but with cool light - Lumens output 240lm

## Dimensions (mm)

PRODUCT	A	B	C	D	E	F	G	H
LEDSLKTC	140Ø	98	74	130	155	134	100	27
IWLEDSLKTC	140Ø	98	74	130	155	134	100	27



## Typical Installation



## Packaging

Boxed in outers of 5. For packaging dimensions, contact our technical department.

## Installation

Designed to be ceiling mounted through 112mm (4") diameter flexible ducting or rigid pipes.

## Electrical

12 volt DC 3W MR16 lamp.  
Powered by an LED Driver.  
Input, AC. Output - 12 volt DC. 1A

## Fan Information

Fan Size: 4" (100mm)  
Fan speed: 2400 r.p.m.  
Sound volume: 41 dB(A)  
Maximum operating temperature: 40°C  
Maximum airflow: 24 l/s  
Power consumption: 10.4W

# CFD200/220 In-line Centrifugal Fan Range Domestic Range

CFD200/220, SCF200 & LEDSLCFD

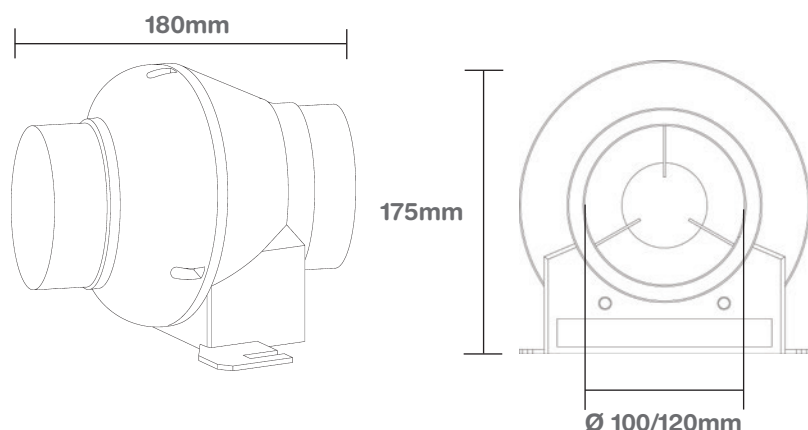


- Providing solutions for a wide range of domestic and commercial applications, the CFD200/220 in-line fan has been designed for use with suspended ceilings. A spring operated, non-return flap is built into the discharge spigot to prevent back draughts.
- Powerful, yet quiet and unobtrusive, the CFD200/220 units have extract rates of 110m<sup>3</sup>/hr 31 litres per second.
- The CFD series is suitable for a wide range of applications including bathrooms, toilets, shower rooms and utility rooms.
- The CFD series is fitted with backward curved centrifugal impellers for a large airflow against the high pressures caused by longer lengths of ducting and resistance by grilles.
- The CFD200/220 units are manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Available with an integral mounting bracket. Designed to comply with the Building Regulations on Ventilation (F1).
- The CFD200/220 range is powered by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- The Shower Kit comprises of the CFD200 centrifugal in-line fan unit, 6 metres of PVC ducting and wall grilles.
- The Showerlite Kit comprises of the CFD200 centrifugal in-line fan unit, 6 metres of PVC ducting and wall grilles together with a chrome Showerlite fitting and transformer.
- The CFD220 has all the features of the CFD200 unit, but has the additional benefit of a 120mm outlet, thus making it suitable for 125mm (5") ducting systems.
- The SCF200 Series In-line Centrifugal Timer Kit now comes with a 3W LED lamp and uses 90% less power than a standard dichroic lamp.

## Technical Details

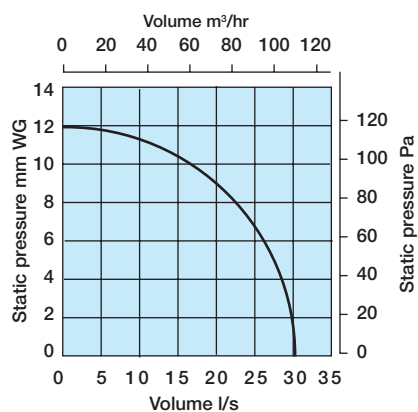
Cat. No.	Product type
CFD200TN	In-line timer fan with bracket (100mmØ)
CFD220T	In-line timer fan with bracket (120mmØ)
SCF200TN	In-line timer fan kit (100mmØ)
LEDSLCFDTCN	Timer model in-line fan kit (100mmØ) with a 3W Warm LED lamp and uses 90% less power than a standard dichroic lamp.
IWLEDSLCFDTCN	As above with a 3W Cool LED lamp

### Dimensions



### Performance Graph

CFD200/220 Range 110m<sup>3</sup>/hr, 31 litres per second



### Packaging

CFD200/220 Series in outers of 5 measuring 200mm x 300mm x 240mm - weight 8kg. SCF200 Series in outers of 5. For packaging dimensions, please contact our technical department.

### Electrical

220-240V~50Hz AC. Single phase consuming 20W on the CFD200/220 and SCF200.

All wiring must comply with the 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.

### Additional Data

CFD200/220 SCF200  
 Fan speed: 1400 r.p.m.  
 Sound volume: 45.0dB(A)  
 Maximum operating temperature: 40°C

# Professional Showerlite Fan Range

## Domestic Range

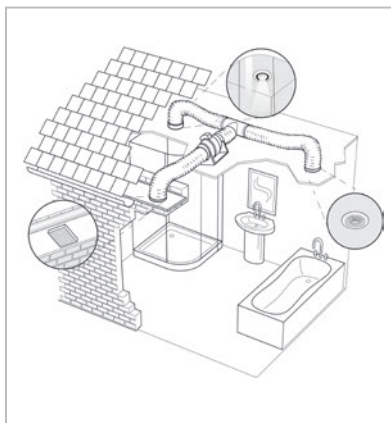
PROFSLKLED



The complete Professional Showerlite fan kit is now quieter and more powerful than ever before. It includes everything you require to provide an effective and powerful way to extend the ventilation in your bathroom or any other area in your house. The first in-shower ventilation kit incorporates seven different pieces of ventilation equipment within one kit.

The LED kits include:

- 1 A powerful high performance In-line mixed flow fan. This is capable of extracting  $245\text{m}^3/\text{hr}$   $68\text{l/s}$ , which exceeds the Building regulations. A bracket is also included for easy fan installation in the roof.
- 2 An attractive powerful 100mm/4" Showerlite with a chrome finish and a sealed unit for total IP waterproof protection. It provides a rich warm glow of soft light to enhance any bathroom.



- 3 One additional inlet; this is a circular internal white grille which has a unique design, and will fit unobtrusively into any room.
- 4 10 metres of 100mm/4" flexible PVC ducting. This long length enables you to adapt the installation in any size room.
- 5 An external wall grille; the in-line fan extracts through the egg crate wall grille, which fits into the external soffit.
- 6 A PVC T-Piece connector which connects the PVC ducting to the in-line fan, internal grille and Showerlite.
- 7 A safety extra low voltage (SELV) transformer, to power the 12 volt showerlite. The complete kit for your total ventilation.



## Technical Details

### Cat. No.

### Product type

**PROCFSLKCLED LED Standard Kit** The Professional Showerlite kit with 3W LED is supplied complete with:

- 1 x In-line MixFlo fan with mounting bracket
- Showerlite unit with chrome fitting
- 1 x Circular Internal White Grille
- 10 metres of 100mm/4" PVC Flexible Ducting
- 1 x Egg Crate External Wall Grille
- 1 x PVC T-Piece Connector
- 1 x Low Volt Transformer

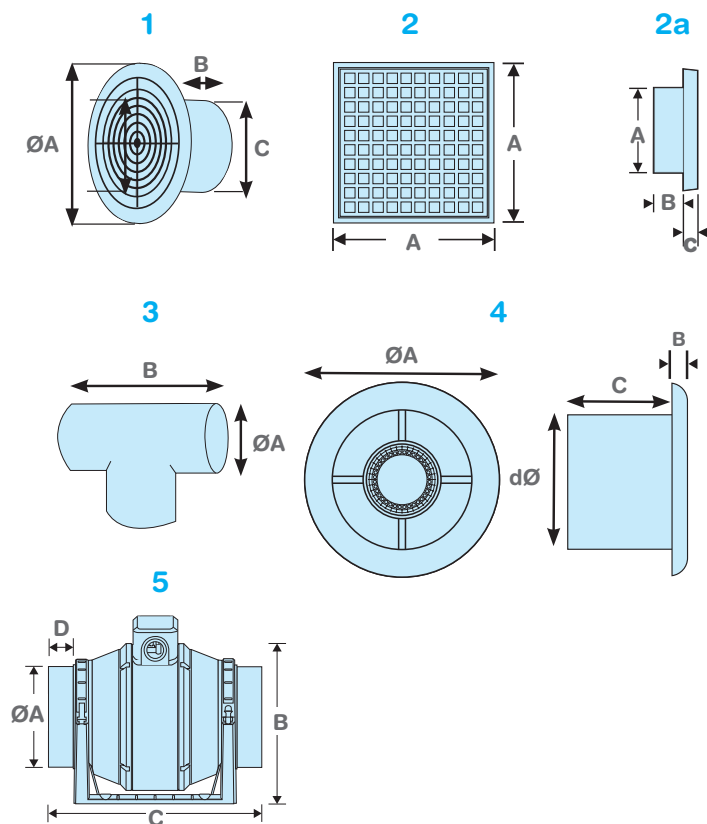
**PROCFSLKCLED LED Timer Kit** As above with built in timer

**IWLEDSL-C/D Showerlite only** 100mm Showerlite with 3W LED ice white lamp - Chrome

**LEDSL-C/D Showerlite only** 100mm Showerlite with 3W LED warm lamp - Chrome

### Dimensions

PRODUCT	A	B	C	D
1	Ø135mm	74mm	120mm	
2	140mm			
2a	Ø98mm	33mm	15mm	
3	Ø98mm	250mm		
4	Ø140mm	10mm	62mm	Ø98mm
5	102mm	195mm	298mm	30mm



### Packaging

Boxed in outers of one. Please contact our technical department for further details.

### Electrical

#### LED Models

12 volt DC 3W MR16 lamp. Powered by an LED Driver. Input, AC. Output - 12 volt DC. 1A

#### In-Line MixFlo Fan

220-240V- AC. 50Hz  Single phase consuming 25 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 contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted.

#### Transformer

Input 100-240VAC, Output 12VDC 500mA LED Power 3-5W

### Installation

#### Showerlite Unit

Designed to fit through a 125mm diameter hole to fit 100mm PVC ducting.

#### In-Line MixFlo Fan

Induct Fans suitable for in-line systems and designed for use with suspended ceiling systems.

### Construction

#### Showerlite Unit

All plastic components are moulded in high temperature VO rated thermoplastics.

#### In-Line MixFlo Fan

Strong impact black plastic casing.

### Motor

#### In-Line MixFlo Fan

Single phase induction motor with ball bearings fitted for a long, maintenance-free life and protected by a thermo cut-out approved totally enclosed for protection against dirt and dust. Motors are continually rated.

### Additional Data

#### In-Line MixFlo Fan

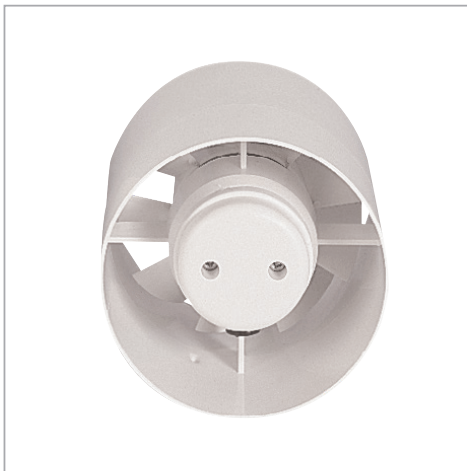
Performance: 245m<sup>3</sup>/h 68l/s  
 Fan speed: 2200 rpm  
 Max Operating Temperature: 50°C  
 Sound Level: 22.0 dB(A)  
 Weight: 2kg

VENTILATES POWERFULLY & ILLUMINATES SAFELY

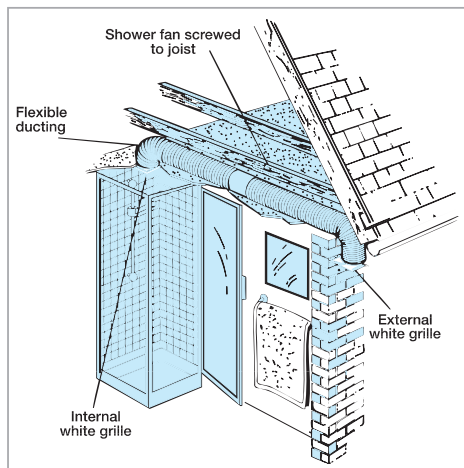
# Shower/In-line Fan Range

## Domestic Range

SF100/120/150 ID100/120/150



- Designed for the safe ventilation of bathrooms, toilets and shower rooms, the SF/ID 100 (100mm 4") range of in-line extractor fans remove any risk of an electric shock in wet areas as the fan is mounted remotely.
- The SF/ID120 (120mm 5") series of in-line fans have been engineered for the ventilation of larger shower or bathroom areas, and are 56% more powerful than their 100mm counterparts.
- Powerful, yet extremely quiet in operation, the extract rate of the SF/ID100 is 85m<sup>3</sup>/hr 23 litres per second, whilst the SF/ID120 performs with an impressive 130m<sup>3</sup>/hr 36 litres per second. The ID150 Tube Fan has a top performance of 230m<sup>3</sup>/hr, 64 litres per second.
- Available with or without a timer, the SF100/120/150 fan kits are supplied complete with a fan unit, one length of PVC flexible ducting, one internal (white) and one external wall grille, fixing screws, plugs and straps to secure the duct to the grilles.
- The ID100/120/150 series comprises a fan unit only and is suitable for boosting another fan where a long run of ducting is used.
- The units are all manufactured using high impact 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.
- Designed to comply with the Building Regulations on Ventilation (F1).





## Technical Details

### Cat. No.

### Product type

#### SF In-line fan kits with PVC duct and wall grilles

**SF100/120/150S** Standard model for remote switching

**SF100/120/150T** Timer model incorporating integral adjustable electronic timer (1-20 mins)

#### ID In-line fans only

**ID100/120/150** Standard model (tube fan) for remote switching

**ID100/120/150S** Standard model for remote switching with bracket

**ID100/120/150T** Timer model incorporating integral adjustable electronic timer (1-20 mins)

### Performance

SF/ID100 up to 85m<sup>3</sup>/hr, 23 litres per second

SF/ID120 up to 130m<sup>3</sup>/hr, 36 litres per second

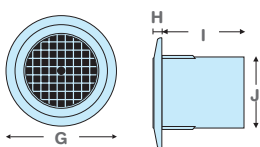
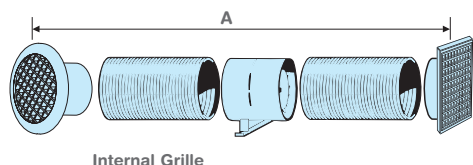
SF/ID150 up to 230m<sup>3</sup>/hr, 64 litres per second

Performance may vary depending on the length of ducting used

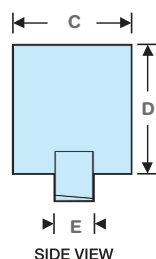
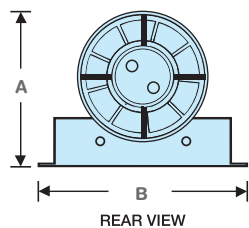
### Dimensions (mm)

PRODUCT	A	B	C	D	E	F	G	H	I	J
ID100	98Ø	90	100							
ID120	116Ø	99	118							
ID150	148Ø	110	150							
ID100S	130	155	90	100Ø	27					
ID120S	150	155	99	118Ø	27					
ID150S	187	155	109	150Ø	27					
SF100S/T	Up to 3m	140	140	100Ø	33	15	140	10	50	98Ø
SF120S/T	Up to 4m	160	160	125Ø	37	16	140	10	50	116Ø
SF150S/T	Up to 5m	180	180	150Ø	35	15	140	10	50	148Ø

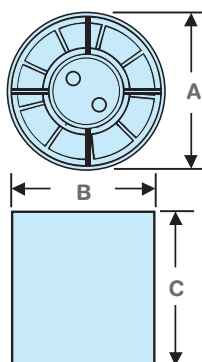
#### SF100/120/150 Circular and Square Grille



#### ID100S/120S/150S Series with Bracket



#### ID100/120/150 Series



### Packaging

SF100 In outers of 10 measuring 515mm x 350mm x 820mm - weight 16kg

SF120 In outers of 10 measuring 620mm x 396mm x 917mm - weight 17kg

SF150 In outers of 5 measuring 440mm x 393mm x 1083mm. Volume 1.873

ID100 In outers of 10 measuring 220mm x 125mm x 490mm - weight 4kg

ID120 In outers of 10 measuring 264mm x 144mm x 567mm - weight 5kg

ID150 In outers of 10. For packaging dimensions, contact our technical department

ID100/S/T In outers of 10 measuring 282mm x 176mm x 490mm - weight 6kg


ID120/S/T In outers of 10 measuring 328mm x 179mm x 567mm - weight 7kg

ID150/S/T In outers of 10 contact our technical department for packaging dimensions

### Installation

The shower fan is easy to install in the average loft/ceiling recess as after the 112mm hole has been cut in the ceiling of the shower/room, all other work is continued outside the living area.

### Electrical

220-240V~50Hz AC . Single phase consuming 20W on ID100, 15.5W on ID120 and 25W on ID150. 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.

### Additional Data

#### 100mm (4") Range

Fan speed: 2400 r.p.m.  
Sound volume: 41.0 dB(A)  
Maximum operating temperature: 40°C

#### 120mm (5") Range

Fan speed: 2000 r.p.m.  
Sound volume: 41.0 dB(A)  
Maximum operating temperature: 40°C

#### 150mm (6") Range

Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature: 40°C

# Centrifugal Fan Range

## Domestic Range

CF100/CF200



- The CF100 and CF200 centrifugal fans use the latest technology to provide extremely powerful, yet very quiet and vibration free ventilation. The CF100/200 ranges are designed for bathrooms, toilets, cloakrooms and utility rooms.
- Designed to move air over long distances, these units will give maximum performance even against pressures caused by long lengths of ducting and resistance by grilles.
- All models are fitted with a built-in spring operated non-return flap into the discharge spigot to stop backdraughts.
- The CF100 has an extract rate of 90m<sup>3</sup>/hr 25 litres per second, the CF200 range have an extract rate of 110m<sup>3</sup>/hr 31 litres per second.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power to the CF100/200 range is provided by a single phase induction motor with pre-oiled bearings for a long, maintenance-free life.
- Designed to comply with the Building Regulations on Ventilation (F1).



# Technical Details

## Cat. No. Product type

CF100S Standard model for remote switching  
CF200S

CF100P As above supplied with pullcord switch  
CF200P

CF100T Timer model incorporating integral adjustable electronic timer (1-20 mins)  
CF200T

CF200TP As above with pullcord override switch. Requires no switched live

CF100H Humidity control which is adjustable between 40 and 95%RH  
CF200H Complete with adjustable integral timer (1-20 mins)

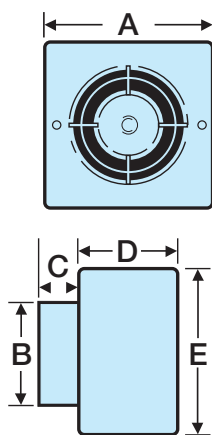
CF200HP Electronic humidity control with pullcord override switch  
Requires no switched live

CF100PIR PIR activated model with adjustable timer for presence detection  
CF200PIR that will run on when room is vacated (1-20 mins). Requires no switched live

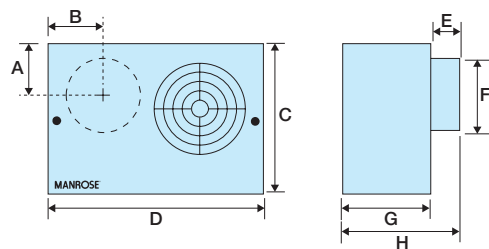
## Dimensions (mm)

PRODUCT	A	B	C	D	E	F	G	H
CF100	163	98Ø	65	90	163			
CF200	65	65	185	260	45	98Ø	90	135

### CF100 Series

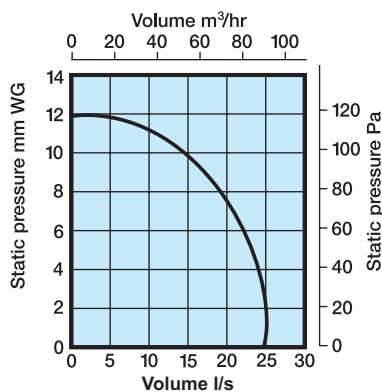


### CF200 Series

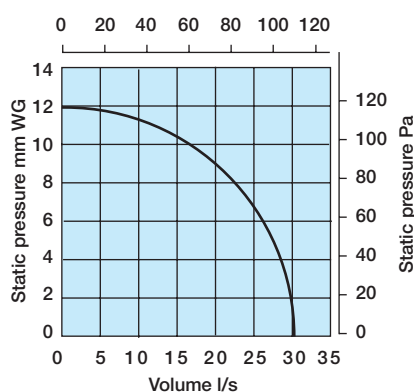


## Performance Graph

CF100  
90m<sup>3</sup>/hr, 25 litres per second



CF200  
110m<sup>3</sup>/hr, 31 litres per second



## Packaging

CF100 Series in outers of 10 measuring 340mm x 175mm x 835mm - weight 11kg

CF200 Series in outers of 10 measuring 753mm x 283mm x 390mm - weight 12kg

## Installation

Designed to be mounted on walls or ceilings and discharged through a 100mm (4") standard rigid or flexible duct, and are also suitable for use with flat duct channel systems. Comprehensive wiring and installation instructions are included with each fan.

## Electrical

220-240V~50Hz AC single phase consuming 20W on the CF100 range and 17W on the CF200 range. 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 3amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted to a minimum of 1.8 metres from the floor.

## Additional Data

### CF100

Fan speed: 1600 r.p.m.  
Sound volume: 42.0 dB(A)

### CF200

Fan speed: 1400 r.p.m.  
Sound volume: 45.0 dB(A)

# Continuum Centrifugal Fan

Part F & L Approved

## Domestic Range

CONTINUUM CENTRIFUGAL



The Continuum fan is designed to provide silent, continuous ventilation to any W.C., bathroom, utility room or kitchen. It can be mounted on walls or ceilings, requires low maintenance, includes a long life, low energy motor and is designed for automatic, trouble free operation.

Provides an alternative to higher priced filterless fans, without compromising on function or performance.

- Low SFP – down to 0.18
- One fan for all rooms - W.C., Bathroom or Kitchen - mains and SELV versions available
- Low energy motor - saving running costs with only 1.5 Watts at trickle speed
- Easy clean and filterless - reducing maintenance
- It is designed for surface or flush mounting due to the unique cassette design of the motor and impeller assembly. The rear spigot can be mounted in 2 positions allowing for rear exit or connecting to a vertical ducted system
- 98mm spigot for speedy installation on any 100mm ducting – Rigid or flexible duct can be used
- Integrated humidity sensor providing automatic operation when needed
- Designed to run continuously with a boost function to comply with Part F & L



### Why choose continuous running fans?

Continuous running fans, like the Continuum range, have been designed to meet the requirements of the Building Regulations for bathrooms, kitchens, utility rooms and toilets. The fan is designed to run all of the time, keeping homes fresh, healthy and free from condensation.

### What does it do?

The fan is designed to run continuously at a very low rate and boost automatically when required. The low running rate means it has extremely low noise levels. In addition even though the fan will be running continuously, running costs will still be low because this fan costs less to run than a low energy light bulb!

### How will it help?

This fan will help prevent the build-up of moisture in the home by removing steam and odours created whilst cooking and bathing. This will help reduce the risk of black mould forming on walls and behind cupboards.



## Technical Details

### Cat. No.

### Product type

**CRCHTP - Mains voltage fan** The fan runs continuously on a trickle speed. An optional single boost speed (two speeds available, lower or higher boost dependant on requirement) can be selected at installation.

### CRCHTPLV - SELV fan

The integral pullcord switches the fan on and off to the selected boost speed.

An integral, adjustable humidity sensor will also boost the fan to the selected speed. An integrated overrun timer activates when the humidity drops to the pre-set level.

An integrated switch live also enables remote switching to boost. When the remote switch is deactivated the fan will also overrun for the period set at installation.

The LED will come ON when either the switched live, pull cord or humidity sensor is activated.

### Packaging

Continuum in outers of 10 measuring 753mm x 283mm x 390mm – weight 12kg

### Installation

Designed to be mounted on walls or ceilings and discharged through a 100mm (4") standard rigid or flexible duct, also suitable for use with flat duct channel systems. Comprehensive wiring and installation instructions are included with each fan.

### Electrical

220-240 V/AC. 50Hz single phase powering a DC motor consuming 1.5W on trickle, 2.5W on low boost and 8W on high boost. 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 3amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted to a minimum of 1.8 metres from the floor.

### Additional Data

Sound volume: 36.0 dB(A)

Maximum operating temperature: 40°C

### SFP

The SFP at various speeds;

Trickle = 0.18

Lower Boost = 0.19

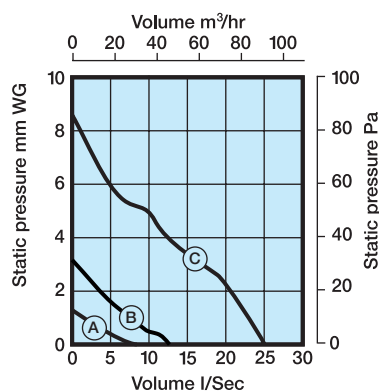
Boost = 0.32

### Performance Graph

(A) Trickle, 8 litres per second

(B) Lower Boost Speed, 13 litres per second

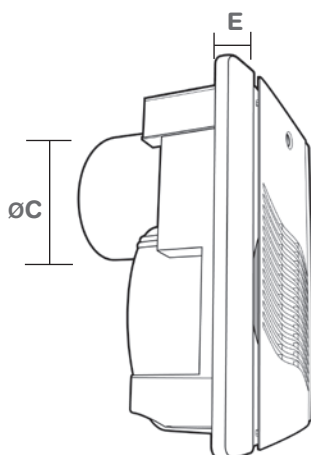
(C) Higher Boost Speed, 25 litres per second



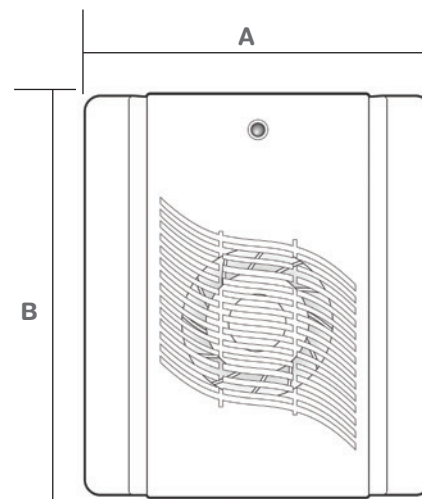
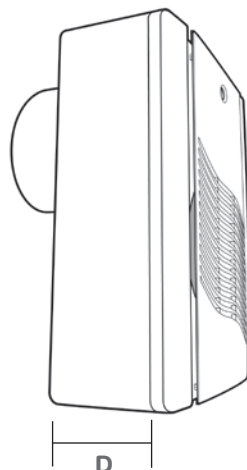
### Dimensions (mm)

PRODUCT	A	B	ØC	D	E
Continuum	210	265	100	90	17

### Flush Fitting



### Surface Mount



# M200 Centrifugal Fan Range

## Domestic Range

M200/LM200



The M200 range of centrifugal bathroom fans are designed for ducted ventilation of internal bathrooms and WCs.

M200 is designed for surface or flush mounting due to the unique cassette design of the motor and impeller assembly. The rear spigot can be mounted in 2 positions allowing for rear exit or connecting to a vertical ducted system.

Designed for wall or ceilings mounting and discharging via rigid, flexible or flat ducting.

Available as a wall model with the addition of a wall fitting kit.

- 98mm spigot for speedy installation
- Available in Standard, Pullcord, Timer and Humidity versions
- Provides required performance of 54m<sup>3</sup>/h (15l/s) to comply with the Building Regulations (Document F). Also available as part of the Part L compliant range.
- Flush or surface mountable
- Adjustable rear or side exit spigot



## Technical Details

Cat. No.	Product type
M200S	Single speed fan with integral back draught shutters. Light or remote switch operation. Meets the requirements of Part F Building Regulations 2006, for installed performance
LM200S	As above but Part L compliant.
M200P	Single speed fan with integral back draught shutters. Pullcord operation. Meets the requirements of Part F Building Regulations 2006, for installed performance
LM200P	As above but Part L compliant.
M200T	Single speed fan with integral back draught shutters. Adjustable 1 – 20 minutes electronic over run timer. Meets the requirements of Part F Building Regulations 2006, for installed performance
LM200T	As above but Part L compliant.
M200H	Single speed fan with integral back draught shutters. Integral adjustable humidistat 20-90% RH. Meets the requirements of Part F Building Regulations 2006, for installed performance
LM200H	As above but Part L compliant.
M200HP	Electronic Humidity control with pullcord over ride switch requires no switched live.

### Packaging

M200 Series in outers of 10 measuring 753mm x 283mm x 390mm – weight 12kg

### Installation

Designed to be mounted on walls or ceilings and discharged through a 100mm (4") standard rigid or flexible duct, and are also suitable for use with flat duct channel systems. Comprehensive wiring and installation instructions are included with each fan.

### Electrical

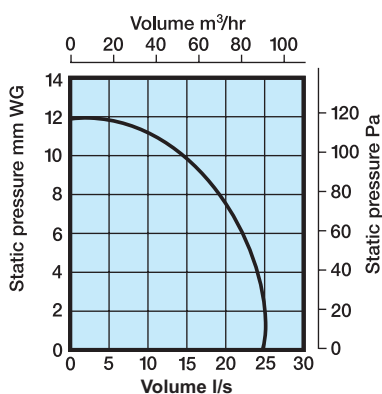
220-240V~50Hz AC single phase consuming 13W on the M200 and 12.4W on the LM200. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3amp fuse fitted. The fan should not be accessible to a person using either the shower or bath and mounted to a minimum of 1.8 metres from the floor.

### Additional Data

**M200**  
 Sound volume: 36.0 dB(A)  
 Maximum operating temperature: 40°C

### Performance Graph M200

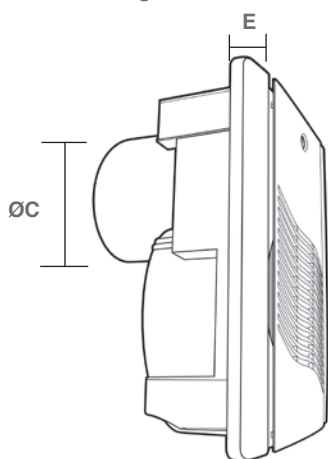
85m<sup>3</sup>/hr 24 litres per second



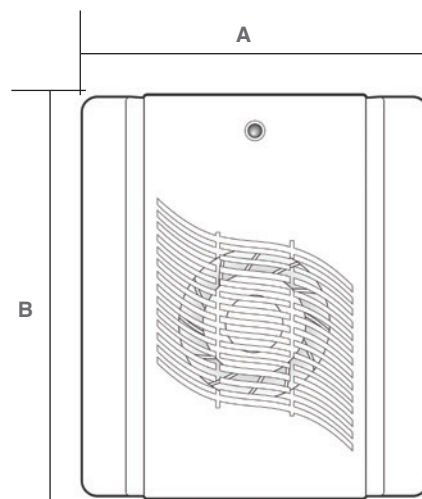
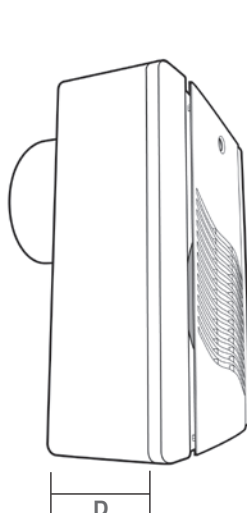
### Dimensions (mm)

PRODUCT	A	B	ØC	D	E
M200	210	265	100	90	17

#### Flush Fitting



#### Surface Mount



# 150mm (6") Wall and Window Fan Range

## Domestic Range

XF150/WF150



- Designed to work effectively in kitchens, the 150mm (6") axial flow kitchen fans are quiet, efficient and can be wall, ceiling or window mounted.
- Incorporating the latest technology, the 150 series has been designed for simple installation and has a powerful extract rate of 230m<sup>3</sup>/hr 64 litres per second for the XF version and 220m<sup>3</sup>/hr 62 litres per second on the WF150.
- The range is ideally suited to use in domestic and commercial applications including kitchens, utility rooms, restaurants, hotels, offices and shops. The WF150 range is suitable for window mounting.
- The units are all manufactured using high impact 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.
- Designed to comply with the Building Regulations on Ventilation (F1).



# Technical Details

## Cat. No. Product type

### WALL/CEILING FANS - Base model with fixed internal grille

<b>XF150S</b>	Standard model for remote switching
<b>XF150P</b>	As above with pullcord switch
<b>XF150T</b>	Timer model incorporating integral adjustable electronic timer (1-20 mins)
<b>XF150H</b>	Humidity control which is adjustable between 40 and 95%RH Complete with integral adjustable timer (1-20 mins)
<b>XF150HP</b>	Electronic humidity control with pullcord override switch. Requires no switched live

### WALL/CEILING FANS - Automatic model with internal shutters

<b>XF150A</b>	Standard model for remote switching
<b>XF150AP</b>	As above supplied with pullcord switch
<b>XF150AT</b>	Timer model incorporating integral adjustable electronic timer (1-20 mins)
<b>XF150AH</b>	Humidity control which is adjustable between 40 and 95%RH. Complete with integral adjustable timer (1-20 mins)
<b>XF150AHP</b>	Electronic humidity control with pullcord override switch. Requires no switched live

### WINDOW FANS - Basic model with fixed grilles

<b>WF150</b>	Standard model
<b>WF150P</b>	Pullcord model
<b>WF150T</b>	Timer model complete with pullcord
<b>WF150H</b>	Humidity control complete with pullcord

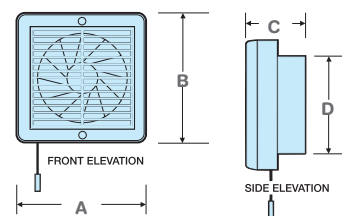
### Automatic model with internal shutters

<b>WF150A</b>	Standard model
<b>WF150AP</b>	Pullcord model
<b>WF150AT</b>	Timer model complete with pullcord
<b>WF150AH</b>	Humidity control complete with pullcord

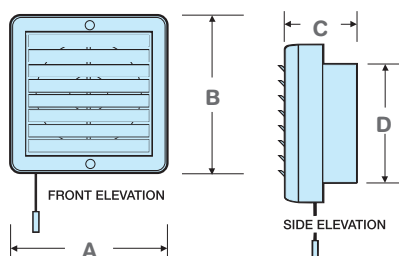
## Dimensions (mm)

PRODUCT	A	B	C	D
XF150	203	203	95	150Ø
XF150A	203	203	95	150Ø
WF150	203	203	95	23

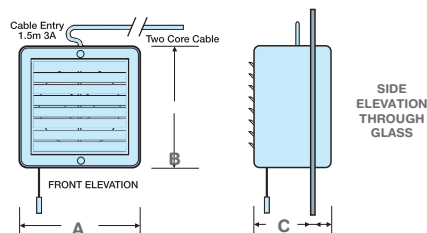
### XF150 Series



### XF150A Series



### WF150 Series



## Packaging

XF150 In outers of 10 measuring 595mm x 245mm x 450mm - weight 11kg


WF150 In outers of 10 measuring 460mm x 640mm x 240mm - weight 17kg

## Installation

The XF150/150A series of 150mm (6") extractor fans can be wall or ceiling mounted (not pullcord models), and there are two models available in this range. The XF150 model has a fixed louvre internal grille, whilst the automatic model the XF150A, has thermo-activated internal shutters which open 45 seconds after the fan has been switched on (except the manual pullcord operated model XF150AP).

WF150/WF150A this series has been designed for window or wall fixing through a standard 170-184mm (51/2"-71/4") hole. There are two variations in the range, the base model with fixed louvres for additional trickle flow ventilation and the automatic model incorporates thermo-activated internal shutters (except the pullcord operated model WF150AP).

## Electrical

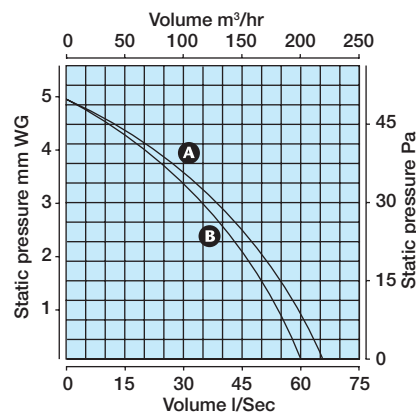
220-240V~50Hz AC  Single phase consuming 25W. These fans are double insulated and do not require an earth. All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan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

## Additional Data

Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature: 40°C

## Performance Graphs

(A) XF150 Series 230m<sup>3</sup>/hr, 64 litres per second  
(B) WF150 Series 220m<sup>3</sup>/hr, 62 litres per second



# 230mm (9") and 300mm (12") Window Fan Range Commercial Range

WF230/WF300



- Suitable for a variety of domestic and commercial applications, the WF230 range has been designed for window or wall mounting. Incorporating the latest ventilation technology and stylish design, these high performance extractor fans have an extract rate of 668m<sup>3</sup>/hr, 185 litres per second.
- The basic unit (WF230) has a fixed louver, which can be supplied with an optional pullcord switch and provides a natural source of trickle flow ventilation when the fan is switched off.
- Manual models (WF230MP) have pullcord operated internal backdraught shutters that also start the fan.
- The WF230 automatic series have thermo activated shutters which open silently 45 seconds after the fan has been switched on.
- Completing the Manrose family the WF300 range of 300mm (12") fans give a powerful extract rate of 1100m<sup>3</sup>/hr, 306 litres per second.
- The WF300 is designed for window mounting and can also be wall mounted using our wall mounting fixing kit.
- The WF300 has three models in its range. The basic model with fixed louvres, the manual model with internal pullcord operated backdraught shutters and the automatic model with thermo-activated internal shutters which open silently and automatically when the fan is switched on.
- These high performance extractor fans are easy to install and are attractively styled in high gloss ABS thermoplastics for durability, ease of cleaning and maintenance and cover a wide variety of domestic and commercial applications including kitchens, utility rooms, pubs, restaurants, offices, shops and factories.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a four pole single phase induction motor with pre-oiled bearings, totally enclosed for protection against dust and dirt, for a long, maintenance-free life.
- There is an extensive range of ventilation accessories including speed controllers and roof-termination kits, available separately.
- Building Regulations on Ventilation (F1).



## Technical Details

### Cat. No. Product type

#### Manual model with external fixed louvers

- WF230S** Basic model has fixed louvres. This unit will also provide a natural source of trickle flow ventilation when the fan is switched off
- WF230P** As above with pullcord switch
- WF230MP** The manual models have pullcord operated internal backdraught shutters, which also start the fan motor unit
- WF230A** The automatic versions have thermo-activated shutters which open silently approximately 45 second after the fan has been switched on. Basic model has fixed louvres.
- WF300** This unit will also provide a natural source of trickle flow ventilation when the fan is switched off
- WF300P** As above with pullcord switch
- WF300MP** The manual models have pullcord operated internal backdraught shutters, which also start the fan motor unit
- WF300A** The automatic versions have thermo-activated shutters which open silently approximately 45 second after the fan has been switched on

The WF300 series 5 pin connector plug also ensures simple electrical connection without additional wiring.

#### ACCESSORIES

- COMTSCVR** Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans (not MP versions)

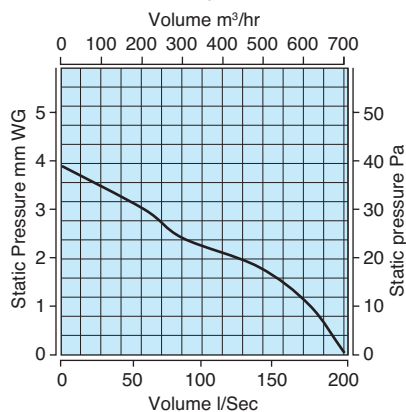
#### Dimensions (mm)

PRODUCT	A	B	C	D
WF230	286	4-32	112	25
WF300	362	4-32	133	29

#### Performance Graph

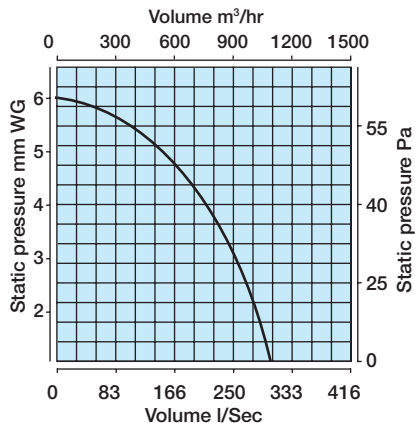
##### WF230 Series

668m<sup>3</sup>/hr 185 litres per second



##### WF300 Series

1100m<sup>3</sup>/hr, 306 litres per second



#### Packaging

WF230 Series in outers of 1 measuring 301mm x 156mm x 345mm - weight 3.5kg

WF230 Series in outers of 5 measuring 780mm x 301mm x 345mm - weight 17.5kg

WF300 Series in outers of 1 measuring 387mm x 187mm x 446mm - weight 6kg

WF300 Series in outers of 5 measuring 895mm x 387mm x 446mm - weight 30kg

#### Installation

The WF230 series has been designed for window installation through a standard 260mm Ø hole. A wall fixing kit (Cat. No. 1301) is also available for through wall mounting and comprises wall plugs, screws and a 400mm length of 9" diameter aluminium flexible ducting (when extended).

The WF300 series has been designed to be fitted in a window through a standard 320mm Ø hole. A wall fixing kit (Cat. No. 1299) is also available for through wall mounting which comprises of wall plugs, screws and a 400mm length of 12" diameter aluminium flexible ducting (when extended).

#### Electrical

220-240V~50Hz AC . Single phase consuming 41W on the 230 series and 68W on the 300 series. These fans are double insulated and do not require an earth. All wiring must comply with the 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 bath and mounted a minimum of 1.8m from the floor.

#### Additional Data

##### WF230

Fan speed: 1250 r.p.m.  
Sound volume: 50.0 dB(A)  
Maximum operating temperature: 40°C

##### WF300

Fan speed: 1300 r.p.m.  
Sound volume: 60.0 dB(A)  
Maximum operating temperature: 50°C

# 230mm (9") and 300mm (12") Wall/Ceiling Fan Range Commercial Range

XFS230/XFS300



- With a unique, slimline profile of only 62mm the XFS230 range will blend unobtrusively into any surrounding decor.
- Designed for wall or ceiling mounting, this series of fans and packs is ideally suited to use in kitchens, utility rooms, pubs, hotels, restaurants, offices, shops and factories.
- This range consists of; the basic model with fixed louvres, the manual with internal pullcord operated backdraught shutters and the automatic version with thermo-activated internal shutters which open automatically when the fan is switched on.
- Incorporating the latest ventilation technology, this series has an extract rate of 668m<sup>3</sup>/hr, 185 litres per second.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Power is provided by a four pole single phase induction motor with pre-oiled bearings, totally enclosed for protection against dust and dirt, for a long, maintenance-free life.
- This family of fans has been completed with the addition of the XFS300 range of 300mm (12") fans, which offer a powerful extract rate of 1100m<sup>3</sup>/hr, 306 litres per second and are available in the same formats as the XFS230 series.
- Designed to comply with the Building Regulations on Ventilation (F1).

# Technical Details

Cat. No.	Product type
XFS230/300	Basic model has fixed louvres. This unit will also provide a natural source of trickle flow ventilation when the fan is switched off
XFS230/300P	As above with pullcord switch
XFS230/300MP	The manual models have pullcord operated internal backdraught shutters, which also start the fan motor unit
XFS230/300A	The automatic versions have thermo-activated shutters which open silently approximately 45 second after the fan has been switched on

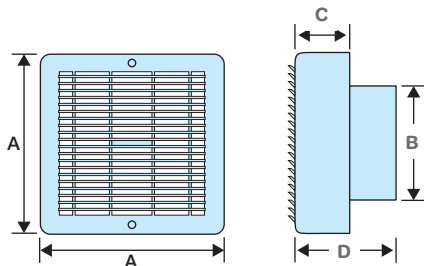
### ACCESSORIES

**COMTSCVR** Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans (not MP versions)

For one step installation consider using 1291-9" or 1292-12" wall vent kit. To go straight through the wall.

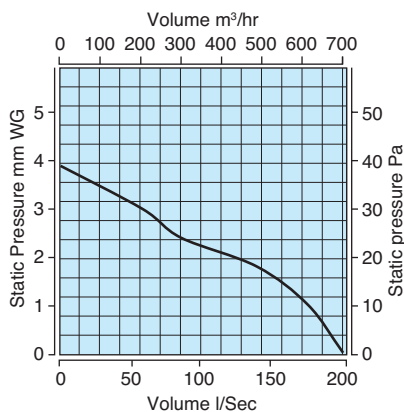
### Dimensions (mm)

PRODUCT	A	B	C	D
XFS230	286	230	75	141
XFS300	362	300	81	156

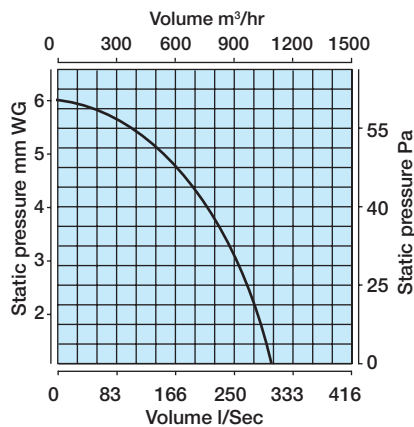


### Performance Graph

**XFS230 Series**  
668m<sup>3</sup>/hr, 185 litres per second



**XFS300 Series**  
1100m<sup>3</sup>/hr, 306 litres per second



### Packaging

XFS230 Series in outers of 5 measuring 912mm x 115mm x 650mm - weight 12kg

### Installation

XFS230/300 series has been designed for wall or ceiling installation (pullcord wall mounting only)

### Electrical

220-240V~50Hz AC □. Single phase consuming 41W on the 230 series and 68W on the 300 series. These fans are double insulated and do not require an earth. All wiring must comply with the 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 bath and mounted a minimum of 1.8m from the floor.

### Additional Data

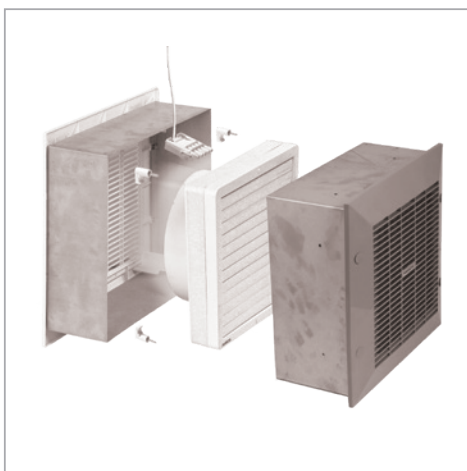
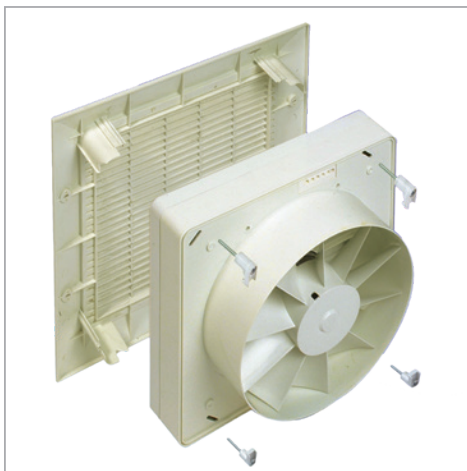
**XFS230**  
Fan speed: 1250 r.p.m.  
Sound volume: 50.0 dB(A)  
Maximum operating temperature: 40°C

**XFS300**  
Fan speed: 1300 r.p.m.  
Sound volume: 60.0 dB(A)  
Maximum operating temperature: 40°C

# Commercial Series Wall Fan Range

## Commercial Range

COMT/TK150/230/300



- The commercial series of built-in wall fans has been designed for flush fitting into external walls, fitting through most wall thicknesses using zinc coated metal telescopic wall liners. Installation is made simple in solid or cavity walls 155–300mm thick, or in walls up to 553mm thick using an extension sleeve.
- The extractor fan unit and internal grille are also available separately as they are designed to retro fit into most leading commercial wall fan liners, which minimises the need for making good and redecoration or removal of existing wall liners.
- The internal and external grilles are a single tough moulding. This greatly reduces vandalism and increases building security whilst only 23mm in profile. They have a 50mm flange for a smooth finish, which will blend unobtrusively into most backgrounds.
- Incorporating the latest ventilation technology and stylish design, these high performance extractor fans have an extract rate up to 278m<sup>3</sup>/hr, 77 litres per second for the 150mm unit, 668m<sup>3</sup>/hr, 185 litres per second for the 230mm units and 1100m<sup>3</sup>/hr, 306 litres per second on the larger 300mm.
- In the 230mm and 300mm models power is provided by a 4 pole single phase induction motor with pre-oiled bearings for a long, maintenance free life. The 150mm version is fitted with a shaded pole motor with ball bearings.
- Models in the range include the standard unit, which has fixed louvres that also provide a natural source of trickle flow ventilation when the fan is switched off. The automatic model with thermo-activated internal backdraught shutters open shortly after the fan has been switched on.
- There is a variable speed and airflow direction option available on the 230mm and 300mm units, using the stylish Manrose speed controller. This can be flush mounted into a standard single gang 35mm deep metal wall box.
- Designed for heavy-duty and extensive usage, the commercial units provide excellent ventilation in public and commercial sector applications such as hospitals, schools, railway stations, restaurants, public houses, offices, hotels and factories.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, aesthetics and easy cleaning. ABS is an easily recyclable material.
- Designed to comply with the Building Regulations on Ventilation (F1).

The models shown are in white for photographic purposes only, models will be supplied in pebble grey



## Technical Details

### Cat. No. Product type

#### WALL PANEL FAN UNIT

<b>COMT150</b>	Standard model with fixed grille
<b>COMT150A</b>	Automatic model with internal thermo-activated shutters
<b>COMT230</b>	Standard model with fixed grille
<b>COMT230A</b>	Automatic model with internal thermo-activated shutters
<b>COMT300</b>	Standard model with fixed grille
<b>COMT300A</b>	Automatic model with internal thermo-activated shutters

#### WALL FAN KIT

<b>COMTK150</b>	Standard model with fixed grille
<b>COMTK150A</b>	Automatic model with internal thermo-activated shutters
<b>COMTK230</b>	Standard model with fixed grille
<b>COMTK230A</b>	Automatic model with internal thermo-activated shutters
<b>COMTK300</b>	Standard model with fixed grille
<b>COMTK300A</b>	Automatic model with internal thermo-activated shutters

#### ACCESSORIES

**COMTSCVR** Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans

**COMTSCV** Variable Speed Controller Extract with neon light for 150mm (6") fans

**Comtkes150**

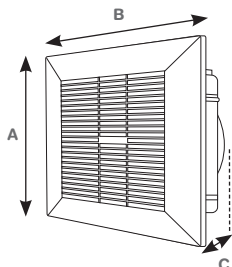
**Comtkes230** Extension sleeve for walls up to 533mm

**Comtkes300**

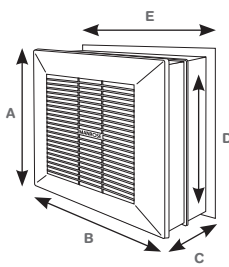
### Dimensions (mm)

PRODUCT	A	B	C	D	E
COMT150	310	310	110		
COMT230	390	390	138		
COMT300	470	470	154		
COMTK150	310	310	160-290	275	288
COMTK230	390	390	160-290	359	366
COMTK300	470	470	160-290	440	447

#### COMT Series



#### COMTK Series

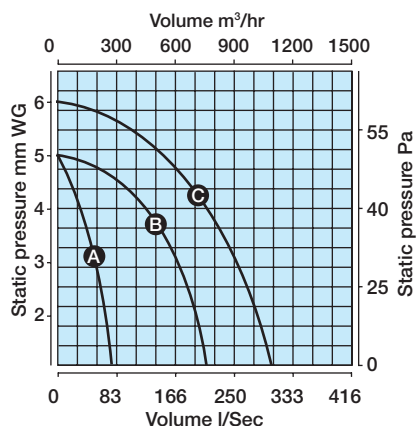


### Performance Graph

(A) COMT150 Range 278m<sup>3</sup>/hr, 77 litres per second

(B) COMT230 Range 668m<sup>3</sup>/hr, 185 litres per second

(C) COMT300 Range 1100m<sup>3</sup>/hr, 306 litres per second



### Packaging

In outers of 1. Contact our Technical Department for packaging dimensions.

### Installation

The COMT fans are designed to retro fit into most leading commercial wall fan liners which minimises the requirement for making good and redecoration, or removal of existing wall liners. Contact our Technical Department for further details.

The telescopic body of the COMTK built-in wall fan allows easy installation in solid or cavity walls from 155mm to 300mm thick. The external and internal grilles have a 50mm flange for a smooth finish.

### Additional Data

#### COMT150

Fan speed: 2400 r.p.m.

Sound volume: 40.0 dB(A)

Maximum operating temperature 40°C

#### COMT230

Fan speed: 1600 r.p.m.

Sound volume: 53.0 dB(A)

Maximum operating temperature 40°C


#### COMT300

Fan speed: 1300 r.p.m.

Sound volume: 60.0 dB(A)

Maximum operating temperature 40°C

### Electrical

220-240V~50Hz AC . Single phase consuming 20W on 150mm Series, 41W on the 230mm Series and 68W on the 300mm Series. These fans are double insulated and do not require an earth. All wiring must comply with the 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 bath and mounted a minimum of 1.8m from the floor.



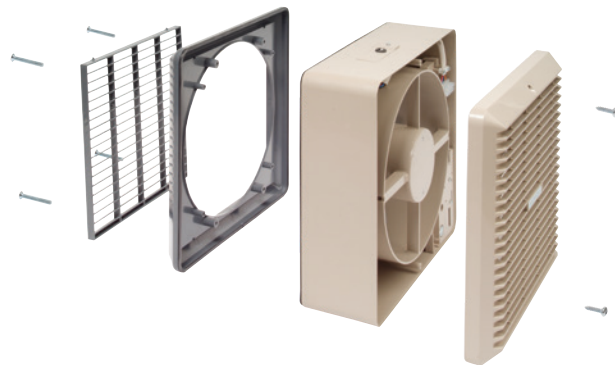
# Commercial Series Window Fans

## Commercial Range

COMMERCIAL SERIES COMG150/230/300



- MANROSE Commercial Window Fans are available in three sizes, 150mm (6"), 230mm (9") and 300mm (12").
- The stylish internal louvre incorporates the internal shutters which are built into the grille so the internal profile of the fan is less obtrusive. These elegant and stylish units will blend into the background and cover a wide variety of commercial applications such as pubs, restaurants, hotels, offices, shops and factories.
- They are also suitable for use in public sector areas such as service stations, hospitals, schools and railway stations and are designed for heavy usage. Available in a soft neutral grey or traditional white, they will blend in with most decors and surroundings.
- Another feature of the range is that on the grey models the external grille is moulded in a dark grey so it will not be too obtrusive on the window line, and blend into the background. The grey commercial series does not require as much cleaning as their white counterparts.
- Available with automatic shutters or pullcord operated shutters.
- Tested to comply with the Building Regulations on Ventilation (F1).



## Technical Details

### Cat. No. Product type

- COMG150MP\*** Thermo-activated internal shutters
- COMG150A\*** Automatic model with internal thermo-activated shutters
- COMG230MP** Internal shutters pullcord operated
- COMG230A** Automatic model with internal thermo-activated shutters
- COMG300MP\*\*** Internal shutters pullcord operated
- COMG300A** Automatic model with internal thermo-activated shutters

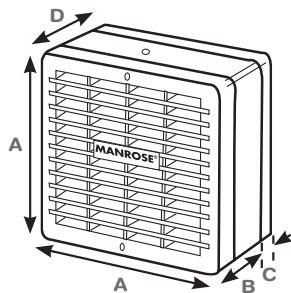
### ACCESSORIES

- COMTSCVR** Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans
- COMTSCV** Variable Speed Controller Extract with neon light for 150mm (6") fans

\*Grey only. \*\* White finish available, COMG230A/W.

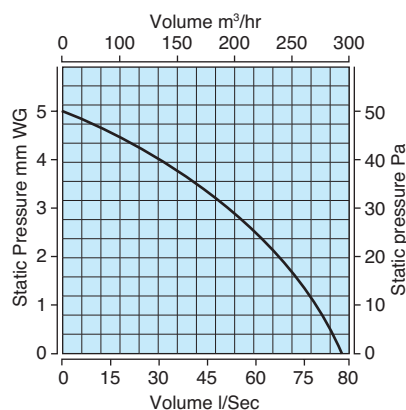
### Dimensions (mm)

PRODUCT	A	B	C	D
COMG150	205	104	24	128
COMG230	286	124	26	130
COMG300	362	145	28	171

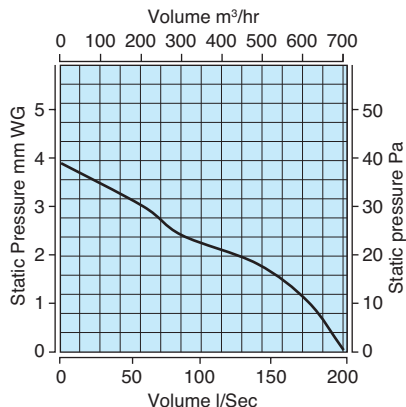


### Performance Graph

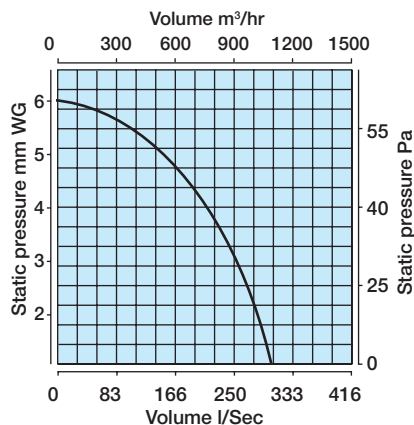
**150mm (6") series**  
278m<sup>3</sup>/hr, 77 litres per second



**230mm (9") series**  
668m<sup>3</sup>/hr, 198 litres per second



**300mm (12") series**  
1100m<sup>3</sup>/hr, 306 litres per second



### Packaging

In outers of 1. Contact our Technical Department for packaging dimensions.

### Installation

- COMG150MP**  
Window fitting through 184mm Ø hole
- COMG150A**  
Window fitting through 184mm Ø hole
- COMG230MP**  
Window fitting through 260mm Ø hole
- COMG230A**  
Window fitting through 260mm Ø hole
- COMG300MP**  
Window fitting through 320mm Ø hole
- COMG300A**  
Window fitting through 320mm Ø hole

### Electrical

220-240V~50Hz AC . Single phase consuming 20W on 150mm Series, 41W on the 230mm Series and 68W on the 300mm Series. These fans are double insulated and do not require an earth. All wiring must comply with the 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 bath and mounted a minimum of 1.8m from the floor.

### Additional Data

**COMG150**  
Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature: 40°C

**COMG230**  
Fan speed: 1600 r.p.m.  
Sound volume: 53.0 dB(A)  
Maximum operating temperature: 40°C

**COMG300**  
Fan speed: 1300 r.p.m.  
Sound volume: 60.0 dB(A)  
Maximum operating temperature: 40°C

# Commercial Series Wall/Ceiling Fans

## Commercial Range

COMMERCIAL SERIES COMCW150/230/300



- The Manrose Commercial Range now incorporates surface wall and ceiling mounted models. Available in 150mm (6") 230mm (9") and 300mm (12"). This range of Spigot Fans gives the unit a unique slimline profile of 66mm on the 150mm (6") series up to 81mm on the 300mm (12") series, and are suitable for connecting to Ducting. Available in soft neutral grey, they cover a wide range of commercial applications and public service sectors.
- As with their window counterparts the shutters are incorporated into the internal louvre which protects the shutters from vandalism.
- The series now incorporates the latest ventilation technology and a stylish design the commercial range has an extract rate of 278m<sup>3</sup>/hr, 77 litres per second for the 150mm (6") unit 668m<sup>3</sup>/hr, 185 litres per second with the 230mm (9") unit and 1100m<sup>3</sup>/hr, 306 litres per second on the larger 300mm (12") units.
- These fans are all manufactured using high impact ABS thermoplastics for strength and durable aesthetics. The easy cleaning ABS is also of recyclable material. For 230mm (9") and 300mm (12") models power is provided by a 4 pole single phase induction motor with pre-oiled bearings for a long maintenance free life. The 150mm (6") version is fitted with a shaded pole motor with ball bearings.
- Also available are stylish speed controllers on the full range. The COMTSCV variable speed controller is suitable for the 150mm (6") series. While the COMTSVR variable / reversible controller is suitable for 230mm (9") and 300mm (12") series.



# Technical Details

Cat. No.	Product type
COMCW150MP	Internal shutters pullcord operated
COMCW150A	Automatic model with internal thermo-activated shutters
COMCW230MP	Internal shutters pullcord operated
COMCW230A	Automatic model with internal thermo-activated shutters
COMCW300MP	Internal shutters pullcord operated
COMCW300A	Automatic model with internal thermo-activated shutters

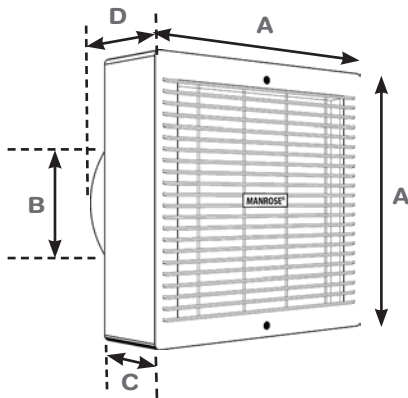
## ACCESSORIES

COMTSCVR	Variable Speed Controller Intake-Extract with neon light for 230mm (9") and 300mm (12") fans
COMTSCV	Variable Speed Controller Extract with neon light for 150mm (6") fans

For one step installation consider using 1291-9" or 1292-12" wall vent kit. To go straight through the wall.

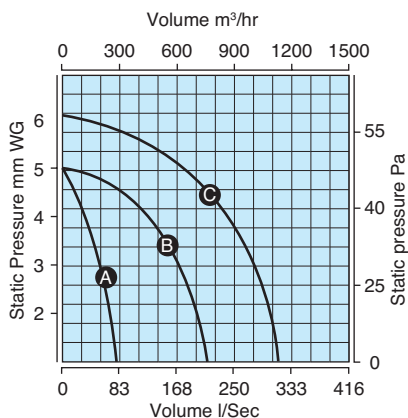
## Dimensions (mm)

PRODUCT	A	B	C	D
COMCW150	205	150	66	103
COMCW230	286	230	75	141
COMCW300	362	300	81	156



## Performance Graph

- (A) 150mm (6") series 278m<sup>3</sup>/hr, 77 litres per second
- (B) 230mm (9") series 668m<sup>3</sup>/hr, 185 litres per second
- (C) 300mm (12") series 1100m<sup>3</sup>/hr, 306 litres per second



## Packaging

In outers of 1. Contact our Technical Department for packaging dimensions.

## Installation

**COMCW150MP**  
Wall or ceiling mounting through 173mm Ø hole

**COMCW150A**  
Wall or ceiling mounting through 173mm Ø hole

**COMCW230MP**  
Wall or ceiling mounting through 255mm Ø hole

**COMCW230A**  
Wall or ceiling mounting through 255mm Ø hole

**COMCW300MP**  
Wall or ceiling mounting through 320mm Ø hole

**COMCW300A**  
Wall or ceiling mounting through 320mm Ø hole

## Electrical

220-240V~50Hz AC  Single phase consuming 20W on 150mm Series, 41W on the 230mm Series and 68W on the 300mm Series. These fans are double insulated and do not require an earth. All wiring must comply with the 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 bath and mounted a minimum of 1.8m from the floor.

## Additional Data

**COMCW150**  
Fan speed: 2400 r.p.m.  
Sound volume: 40.0 dB(A)  
Maximum operating temperature: 40°C

**COMCW230**  
Fan speed: 1600 r.p.m.  
Sound volume: 53.0 dB(A)  
Maximum operating temperature: 40°C

**COMCW300**  
Fan speed: 1300 r.p.m.  
Sound volume: 60.0 dB(A)  
Maximum operating temperature: 40°C

# MixFlo Range

## Commercial Range

MF100/MF125/MF150/MF200



These powerful in-duct mounted mixed flow fans have been designed to produce higher working pressures for applications that require high air flows, with low relative noise.

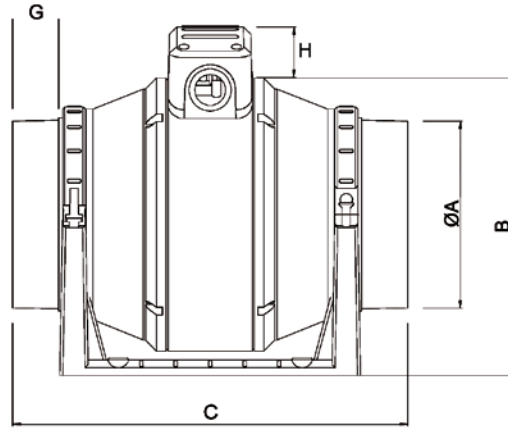
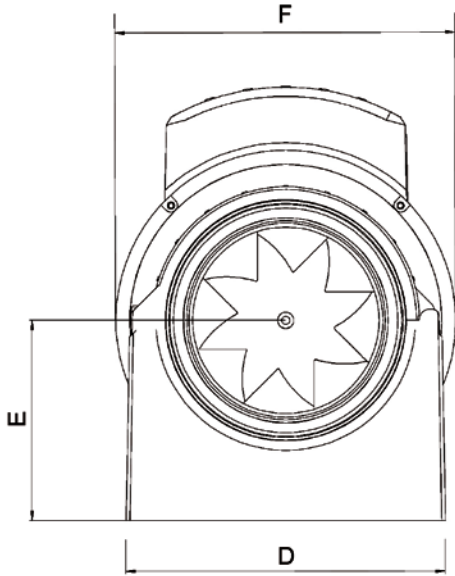
MixFlo fans can be mounted in a variety of applications and are suitable for use with either rigid or flexible ducting.

- High quality ball bearing, long life motors, continuously rated and warranted for a minimum of 30,000 hours or 3 years
- High air flows are achieved through flexible duct
- Compact overall dimensions
- All models 3 speed settings selected via internal dip switch
- Double Insulation - no earth required
- Fully Building Code compliant
- Fully BEAB approved rated to IPX4
- Easy installation and maintenance with the fan assembly easily removed from rigid ducting installations using the specially designed construction



**Dimensions (mm)**

PRODUCT	ØA	B*	C	D	E	F	G	H	Spigot Int Diameter
MF100	102	195	298	162	105	175	30	35	98
MF125	122	195	260	162	105	175	30	35	118
MF150	150	217	307	192	120	226	30	35	145
MF200	197	240	300	195	130	250	35 (narrow part) 63 (overall)	35	192



**Technical specifications**

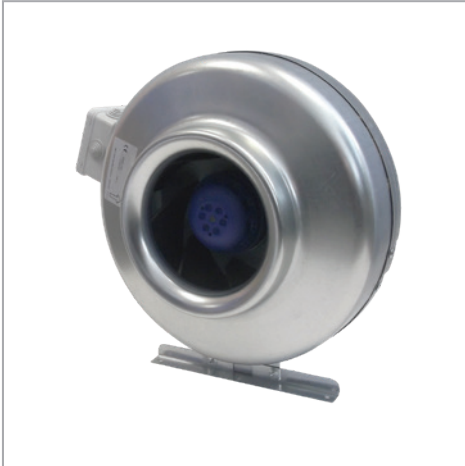
Catalogue No STD / Timer	Speed	RPM	Wattage	Maximum Airflow (m <sup>3</sup> /hr)	Maximum Airflow (l/s)	Maximum Pressure (Pa)	dB(A) 3m*	Max Operating Temp °C
MF100S/MF100T	H	2400	25	245	68	200	24	40
	M	2100	23	216	60	170	22	
	L	1700	20	180	50	120	20	
MF125S/MF125T	H	2400	33	310	86	230	25	40
	M	2100	31	290	79	200	23	
	L	1700	28	240	67	160	21	
MF150S/MF150T	H	2400	48	500	138	190	35	40
	M	2100	46	460	127	150	33	
	L	1700	42	400	111	130	31	
MF200S/MF200T	H	2750	120	855	238	220	48	40
	M	2700	113	738	205	190	48	
	L	2000	110	648	180	180	48	

\*Lp dB(A) 3 metres - sound pressure

# MET In-line Centrifugal Fan Range

## Commercial Range

MET100/125/150/200/250/315



Designed for a wide range of commercial and industrial applications, offering high airflow performance in a choice of duct sizes.

Powerful and unobtrusive, the MET range have extract rates for many applications. Supplied with mounting feet for horizontal or vertical mounting.

A comprehensive range of ventilation accessories available to cover most ducted applications.

MET range incorporates a backward curved centrifugal impeller designed for large airflow against the resistance experienced in longer duct lengths. All models have 30mm long inlet and discharge spigots for easier duct work connection.

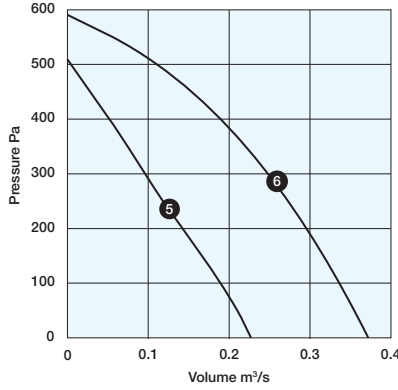
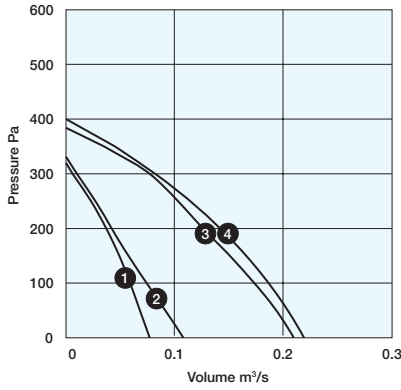
Designed for use with electronic speed control.



**Technical specifications**

Model	Speed Rpm	Performance m <sup>3</sup> /hr	Power Watts	Sound dB(A) @ 3m
MET100	1990	277	42	47
MET125	1907	388	44	47
MET150	2409	759	62	51
MET200	2505	788	96	50
MET250	2505	817	94	53
MET315	2370	1339	205	61

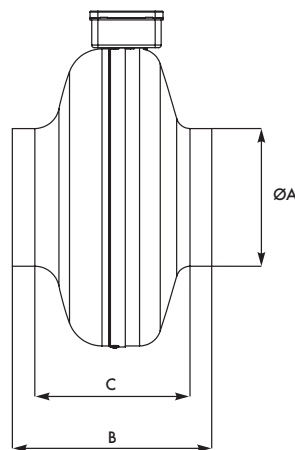
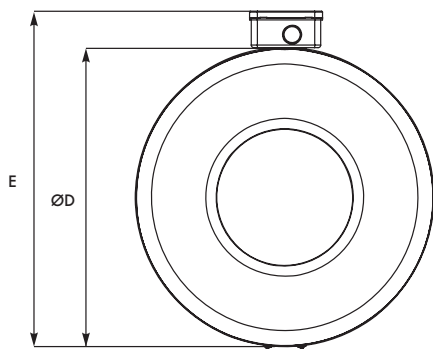
**Performance**



Size	100	125	150	200	250	315
	1	2	3	4	5	6

**Dimensions**

Product Size	ØA	B	C	ØD	E	kg
MET100	100	206	167	245	290	3
MET125	125	206	175	245	290	3
MET150	150	227	175	345	390	4
MET200	200	227	175	345	390	4.5
MET250	250	230	170	345	390	4.5
MET315	315	247	179	400	445	6.5



**Electrical**

220-240V~50Hz AC single phase. 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 3amp fuse fitted.

**Motor**

Motors are single phase external rotor design with capacitor start to optimise efficiency. HOT SPOT protection protects the motor from damage due to overheating/overloading. Sealed for life bearings ensure maintenance free operation.

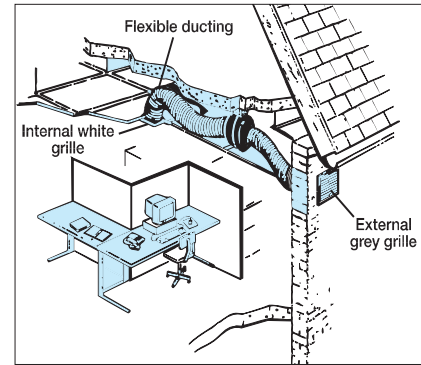
**Construction**

Spun steel case featuring an aerodynamically designed airflow guide vane. 30mm inlet and discharge spigot for ease of installation.

**Installation**

Induct fans suitable for in-line and designed for use with suspended ceiling systems.

**Installation**



# Cooling Fans Specialist Range

## COOLING FANS

### 12" Wall Fan (300mm)



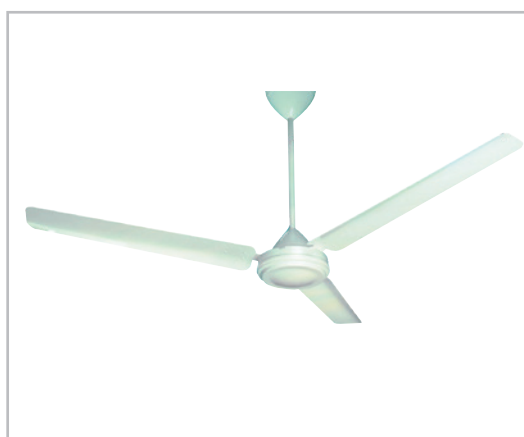
- 3 speeds with oscillation
- 8 hour on/off timer
- Infra-red remote control
- Single Phase 45W

**Cat. No.**      **Product type**  
**MANWF12**      12" Wall Fan

#### Dimensions

Height 425mm  
 Width 400mm  
 Depth 300mm

### Ceiling Sweep Fans



- Suitable for winter de-stratification applications or summer cooling
- Three sweep diameters: 900mm, 1200mm, and 1400mm
- Two down rod lengths included: 150mm and 210mm
- Easy to install
- Quiet running
- Can be installed for either upward or downward airflow

Cat. No.	Product type	Air displacement m <sup>3</sup> /hr
MANSPF90	900mm diameter sweep	8,100
MANSPF120	1200mm diameter sweep	12,600
MANSPF140	1400mm diameter sweep	15,000

## Stanza 48in Ceiling Sweep Fans



- Satin white indoor ceiling fan available with or without dimmable LED light
- Three speed settings allowing for use in summer or winter
- Delivered with three-speed long distance remote control
- 48" precision moulded blades for higher airflow
- Individually balance tested and quality checked for trouble free operation
- True-spin Technology™ for enhanced efficiency and performance
- Four year warranty

Cat. No.	Product type	Air displacement m <sup>3</sup> /hr
STA1203WH-MAN	Stanza 48" Ceiling Fan with Wireless Remote	5700/8640/11700
STA1203WHLED-MAN	Stanza 48" Ceiling Fan with LED Light & Wireless Remote	5700/8640/11700

# Hand Hygiene Specialist Range

HAND HYGIENE

## JET DRY MAN/JETHD



- 10-12 second drying time
- LED indicator
- 99.9% HEPA filter
- UV Sterilisation
- Removable drip tray
- Air speed 150m/s
- Brushed motor, 1250W to 1650W
- Heater element 400W adjustable on/off
- 671 x 279 x 195mm (H x W x D)
- Weight 8.8kg
- IP23 rated
- Sound level: 75dB(A) at 1m
- Cable entry bottom right
- Two-year warranty

Cat. No.	Cover	Weight
MAN/JETHD	ABS Plastic	8.8kg

## HAND DRYER MAN/M



- 30 seconds drying time
- No touch infrared detection
- An economical ABS cover
- 2500 - 4200rpm induction motor
- 225 x 275 x 160mm (H x W x D)
- Sound: 54 dB(A) or 69 dB(A) at 1m
- Power: 1.25kW or 2kW at 240V
- Supply voltage: 220-240V/1/50Hz
- GS Approved
- IP22 Rated
- Cable entry bottom right
- CE approved
- Weight: 3.3kg

Cat. No.	Cover	Power
MAN/M-88A	ABS - White	1.25kW
MAN/M-89A	ABS - White	2.0kW

## FAST DRY MAN/E88AE



- 10 second drying time
- No touch infrared detection
- Unique blue dry zone indicator
- 70% energy saving
- 220-240V/1/50Hz
- Power: 1.6kW at 240V
- 277 x 201 x 175mm (H x W x D)
- Sound: 74 dB(A) @ 1m
- Weight: 7.0kg
- CE approved

Cat. No.	Cover
MAN/E-88AE	White Steel
MAN/E-88AEB	Stainless Satin Steel
E88AEC	Stainless Satin Chrome

### Applications - Hand Dryers only

The model MAN/M-88A is suitable for use within office and commercial organisations, such as clinics and catering establishments. They are not recommended for use in public areas prone to vandalism, for example public lavatories and unsupervised areas.

All other models are suitable for use in public areas such as lavatories, factories, schools, railway and motorway service stations and are designed for heavy usage and unsupervised areas.





## FAST DRY MAN/500



- 10 second drying time
- No touch Infra-Red detection
- Unique blue dry zone indicator
- 70% energy saving
- 220-240V/1/50Hz
- Power: 1.3kW at 240V
- 260 x 180 x 152mm (H x W x D)
- Sound: 72 dB(A) @ 1m
- Weight: 3.0kg
- CE approved

Cat. No.	Cover
MAN/500W	White
MAN/500SS	Satin Stainless
MAN/500PS	Polished Stainless

## HAND SANITISER



- Touchless operation to reduce cross contamination and spread of germs
- Sensor range: 3-10cm
- Gel hand sanitiser and liquid soap
- Lockable via a key to prevent tampering
- Easy to view window for replenishment
- Bulk fill unit
- Weight: 700g
- 1100ml capacity
- 1ml delivery shot
- Battery operated, 6V ( 4 X AA batteries)
- 70,000 cycle battery life

Cat. No.	Cover	Operation
MANSAN1L	ABS plastic	No touch Infra Red detection

# ManiVent

Whole-house ventilation system

## Specialist Range

MANI3000N



The ManiVent is an ultra slim whole-house ventilation system incorporating features designed to make installation and commissioning simpler and cost effective.

It is suitable for simultaneous ventilation of separate wet areas in a house or flat gathering wet polluted air and discharging it to atmosphere.

The unit has three integral speed settings.

The unit can be controlled via a remote switch or sensor which enables the user to select one of three fan speeds depending on their particular requirements.

- Low noise levels – designed for continuous operation.
- Option of wall, ceiling and loft mounting.
- Can extract from up to 5 wet rooms simultaneously.
- Eliminates cross contamination due to continuous operation.
- Fitted with four 100/125mm extract spigots

Meets the Building Regulations Document (F1) for continuous running.

- Toilets 6l/s,
- Bathrooms 8l/s
- Utility rooms 8l/s
- Kitchens 13l/s

# Technical Details

**Cat. No.**    **Product type**  
 MANI 3000N    Standard model

**Suggested Ducting Accessories for the ManiVent MANI3000N whole-house extract system**

## Performance and Power Consumption

	Casing Breakout dB(A)@3m	Inlet Duct dB(A)	FID l/s	Power Watts
Low	22.4	27.8	45	25
Medium	31.0	43.2	85	54
High	35.4	48	123	81

### 2 point Extraction

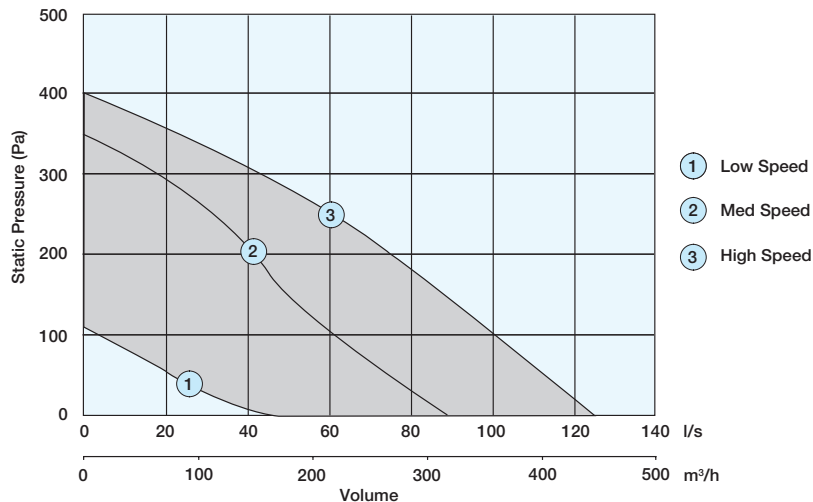
- 1 x 120mm Wall Kit
- 1 x 10m Insulated Ducting 127mm
- 10 x Worm Drive Clamps
- 4 x Internal Circular Grille 120mm

### 3 point Extraction

- 1 x 120mm Wall Kit
- 1 x 10m Insulated Ducting 127mm
- 10 x Worm Drive Clamps
- 4 x Internal Circular Grille 120mm

### 4 point Extraction

- 1 x 120mm Wall Kit
- 1 x 10m Insulated Ducting 127mm
- 10 x Worm Drive Clamps
- 4 x Internal Circular Grille 120mm



## Sound Levels

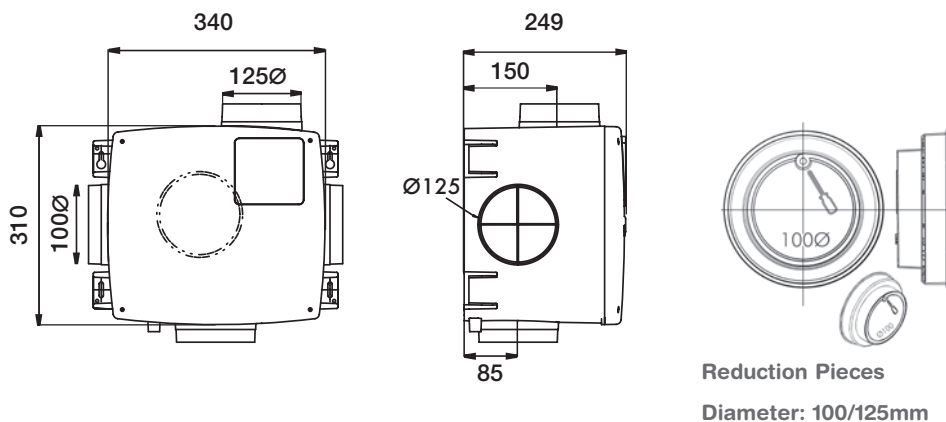
Published dB(A) figures are free field sound levels at 3m with spherical propagation at a reference level of  $2 \times 10^{-5}$  Pa. The free field sound power level spectra figures are dB with reference of 10–12 Watts.

## Installation

The unit can be installed either horizontally or vertically and where the ambient air has a high humidity content condensate drains are provided.

## Dimensions (mm)

Weight: 5.50kg



ERP SEC Class E  
 SEC Class (inc LDC) C

# Lo-Watt ManiVent DC

## Whole-House Extract System

### Specialist Range

MANI2000B



- Low carbon footprint.
- Recognised in SAP PCDB (Appendix Q)
- Fitted with four extract 125 diameter spigots allowing quick connection to ducts.
- Fitted with a condensate drain for wet areas.
- Option of wall, ceiling and loft mounting.
- Can extract from a number of rooms, depending on the dwelling.
- Improved controllability.

With the growing concerns about over ventilating properties, the Multispeed Multivent offers the option of 'Close Control' both in the residential and the commercial sectors. With a DC motor that can be set to ventilate any area up to 118 l/s, the Multispeed Multivent is one of the most efficient central extract units in the UK.

The unit has 3 fully variable speeds: normal, boost and purge. The digital display allows accurate setting of airflow, ensuring exactly the right ventilation rate. Accurate speed control helps minimise noise and energy consumption.

Meets the Building Regulations Document (F1) for continuous running.

- Toilets 6l/s,
- Bathrooms 8l/s
- Utility rooms 8l/s
- Kitchens 13l/s

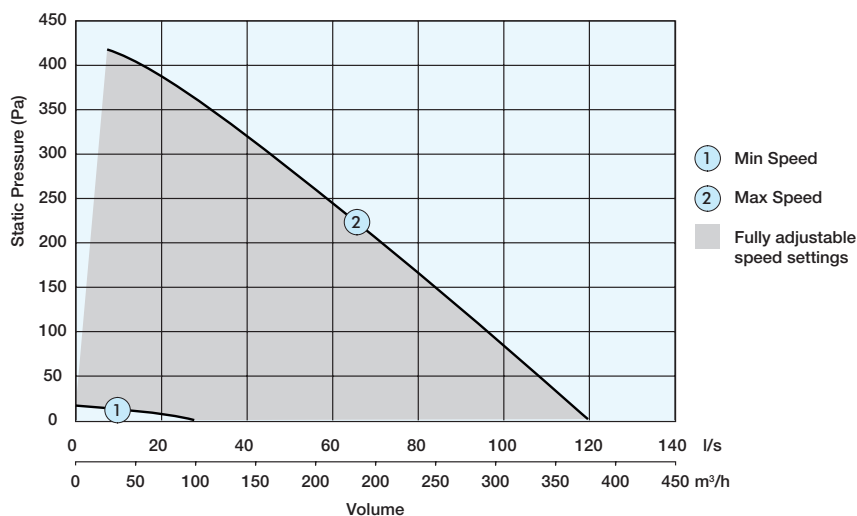
# Technical Details

Cat. No. Product type

MANI 2000B Wholehouse Central Extract System

Suggested Ducting Accessories for the ManiVent DC whole-house extract system

## Performance Graphs



### 2 point Extraction

- 1 x 120mm Wall Kit
- 1 x 10m Insulated Ducting 127mm
- 10 x Worm Drive Clamps
- 4 x Internal Circular Grille 120mm

### 3 point Extraction

- 1 x 120mm Wall Kit
- 1 x 10m Insulated Ducting 127mm
- 10 x Worm Drive Clamps
- 4 x Internal Circular Grille 120mm

### 4 point Extraction

- 1 x 120mm Wall Kit
- 1 x 10m Insulated Ducting 127mm
- 10 x Worm Drive Clamps
- 4 x Internal Circular Grille 120mm

## Performance and Power Consumption

	Casing Breakout dB(A)@3m	Inlet Duct dB(A)	FID l/s	Power W
Minimum	13	24	43	2
Maximum	37	40	118	44

## Sound Levels

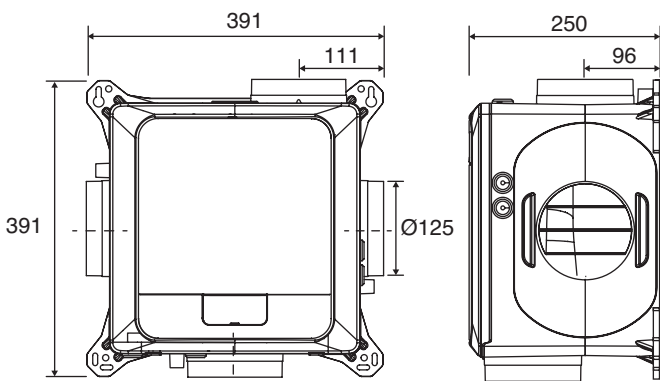
Published dB(A) figures are free field sound levels at 3m with spherical propagation at a reference level of  $2 \times 10^{-5}$  Pa. The free field sound power level spectra figures are dB with reference of  $10^{-12}$  Watts.

## Installation

The unit can be installed either horizontally or vertically and where the ambient air has a high humidity content condensate drains are provided.

## Dimensions (mm)

Unit weight: 4.1kg



SEC Class (inc LDC) B

# Lo-Watt Pivotal

## Positive Input Ventilation Unit

### Specialist Range



MANPIV



The Lo-Watt Pivotal Positive Input Ventilation unit (PIV) has been designed to prevent and treat condensation and mould quickly. It is perfect for refurbished properties thanks to it being easy to fit for installers and discreet for homeowners.

The Lo-Watt Pivotal offers a quick and simple solution. A loft-mounted positive input fan draws fresh air from the loft, filters it and gently feeds it into the dwelling via a ceiling-mounted diffuser. Clean, fresh filtered air with a lower moisture content dilutes, displaces and replaces, contaminated and moisture-laden air.

- Fully adjustable between 19l/s - 49l/s
- Low running costs
- Low sound level
- Complete with ceiling diffuser, flexible duct and G4 filters
- IPX2 rated
- Easy to install and commission

This product is made using recycled material therefore the colour of the plastic may vary.

#### Installation

The Lo-Watt Pivotal can be installed quickly in any sized loft. The easy carry handle incorporated into the body makes carrying the unit easy and safe; especially useful when lifting the unit through loft hatches. The unit comes with a hanging kit and floor mounting base as standard.

The unit is supplied with a diffuser to be installed in a central location within the property e.g. in the main hallway of a bungalow or in the landing in a conventional property.

The unit is easily set to the appropriate speed at installation based on the size of the property. Natural leakage points that are present in all properties, as well as purpose provided exhaust points, enhance the air change. En-suites and utility areas should be serviced by continuous mechanical extract ventilation.

The Lo-Watt Pivotal can also be set to 'Radon' mode in properties that are affected by high radon gas levels. The unit will run continuously to ensure a constant supply of good indoor air to protect residents from harmful gases.

With a lightweight construction, the Lo-Watt Pivotal features a specially developed Lo-Watt DC fan/motor arrangement which runs quietly and delivers incredibly low running costs. The Lo-Watt Pivotal uses a sensor to monitor the temperature in the loft, automatically adjusting the air volume when necessary. Additionally, resident comfort can be assured through an option to change the temperature at which the unit increases or decreases airflow.



### Filter

Standard filters supplied with the Lo-Watt Pivotal are G4 (PM10 filtration) which filter out many everyday pollutants such as pollen and dust.

### Speed Control

Speed selection is easy. Once the house size is selected based on the number of bedrooms, the Lo-Watt Pivotal automatically selects the correct 'Trickle' and 'Energy Recovery' speeds. The speed can also be adjusted manually if needed and the control interface can be locked to ensure the settings are not tampered with.

### Heater

The MANPIVH comes with a heater fitted to the unit, this helps remove cold air entering the property. The controls allow the Lo-Watt Pivotal with 500W heater to be adjusted making it adaptable for different lifestyles.

### Mounting Options

The Lo-Watt PIV comes as standard with both a hanging kit and floor mounting base for quick and easy installation.

### Motor

The electronically controlled Lo-Watt DC motor is manufactured with long-life ball bearings and is fitted with Standard Thermal Overload Protection (S.T.O.P.). Suitable for ambient operating temperatures of -25°C to +40°C.

### Discreet Diffuser

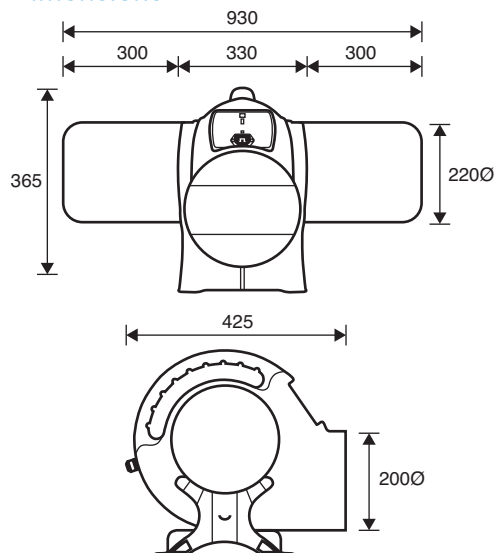
The white circular diffuser is easily installed and fitted. Easy fix features allow for installation against uneven ceiling surfaces with no gaps. The diffuser design reduces air supply noise while increasing performance by 10%. The easy clip blanking plates help to control airflow into the property.

## Technical Details

All models come with G4 filters, 2m of flexi duct and a Ø200mm diffuser.

Cat. No.	Product type
MANPIV	Lo-Watt Pivotal
MANPIVH	Lo-Watt Pivotal with 500W Heater
MANPIVG4	G4 Filter Set

### Dimensions



### Performance

Bedroom	Trickle Mode		Energy Recovery Mode	
	Flow Rate l/s	Power W	Flow Rate l/s	Power W
1	19	3.1	29	5.1
2	25	4.3	37	7.6
3	31	6.0	46	12.0
4	37	8.0	49	13.1
Adjustable	19-48	-	20-49	-

The unit will continuously ventilate silently in the background whilst in 'Trickle' mode. Once the unit automatically senses excess heat being lost into the loft the airflow will increase to 'Energy Recovery' mode to recover heat that would otherwise be lost through the roof.

During summer months should the loft exceed 27°C (adjustable) the unit will enter 'Standby' mode in order to stop the circulation of warm air allowing for a more comfortable living environment. The Lo-Watt Pivotal with 500W Heater automatically turns on the heater to warm up the fresh incoming air.

# Domestic Heat Recovery Units

## The Windsor Range

MANHR100



### Features & Benefits

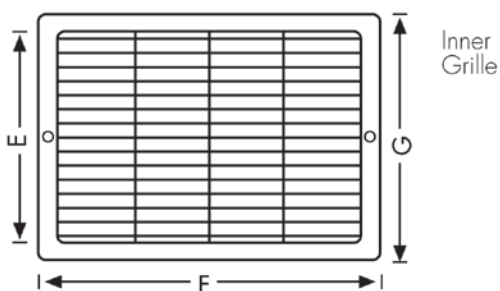
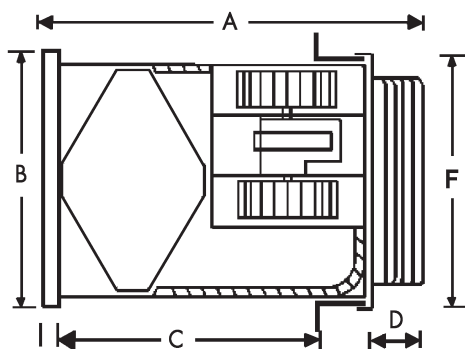
- Installation in bathrooms/WC's.
- Eliminates mould.
- Controls condensation.
- 70% Heat Recovery.

### Technical Details

Model No.	Product type
MANHR100W	Std Heat Recovery Unit
MANHR1345	Boost Switch

### Performance

	HR100W	
Extract Performance m <sup>3</sup> /hr	High	77
	Low	43
Intake Performance m <sup>3</sup> /hr	High	69
	Low	38
Watts	High	31
	Low	12
Sound dB(A) at 3m	High	35
	Low	20



### Dimensions:

A	B	C	D	E	F	G	Weight
370	270	220-280	68	155	235	190	4.85

ERP SEC Class B





# Domestic Heat Recovery Units

## The Windsor Range

MANHR200

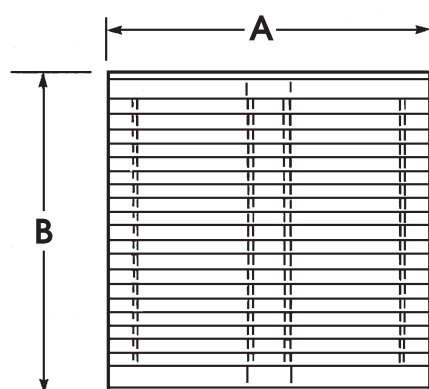


### Features & Benefits

- Single room heat recovery ventilation unit for kitchens/utilities room.
- 3 speed motor.
- Integral washable filter.
- Up to 75% heat recovery.
- Saves energy - controls condensation.
- Extremely quiet.

### Technical Details

Model No.	Product type
MANHR200WK	Std Kitchen Heat Recovery Unit
MANHR200CON	Electronic Controller*

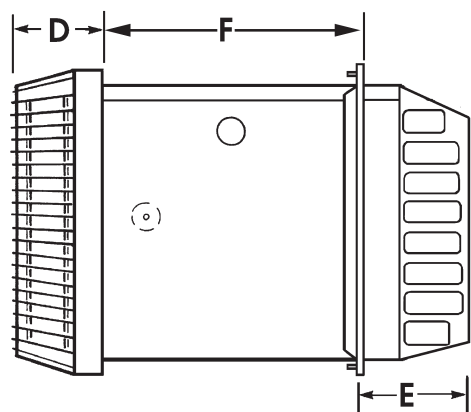


### Performance

	Speed 1	Speed 2	Speed3
Extract Performance l/s (m <sup>3</sup> /hr)	16 (60)	30 (110)	61 (220)
Intake Performance l/s (m <sup>3</sup> /hr)	13 (50)	27 (100)	55 (200)
Watts	25	60	140
% Heat Recovery	75	70	65
Sound dB(A) at 3m	19	33	46

### Dimensions:

A	B	C	D	E	F	Weight
270	270	245	85	68mn	335max	9.7kg



ERP SEC Class C

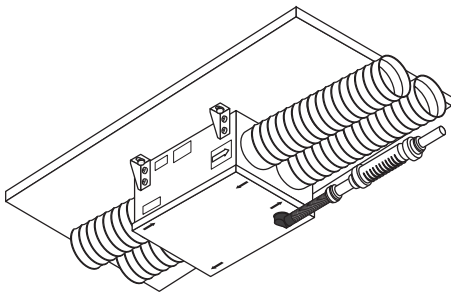
# Domestic/Commercial Heat Recovery Unit

## The Windsor Range

MANHR100R/100RS



Image below shows MANHR100RS, please refer to F&W for flow direction and condensate location



### Features & Benefits

- Controls condensation and odours - saves energy.
- Eliminates mould growth.
- 70% Heat Recovery.
- Extremely quiet operation.

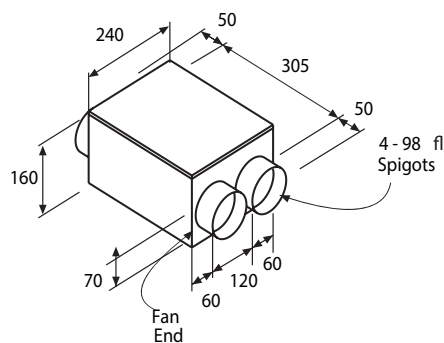
### Technical Details

Model No.	Product type
MANHR100R	Std Heat Recovery Unit Top Access
MANHR100RS	Std Heat Recovery Unit Bottom Access
MANHR1345	Boost Switch

### Performance

		HR100R	HR100RS
<b>Weight</b>	<b>Kg</b>	5.6	5.6
<b>Extract Performance</b>	Boost	19 (70)	19 (70)
	Trickle	11 (41)	11 (41)
<b>Intake Performance m<sup>3</sup>/hr</b>	Boost	70	70
	Trickle	30	30
<b>Watts</b>	Trickle	19	19
<b>Sound dB(A) at 3m</b>	Boost	30	30
	Trickle	20	20

### Dimensions



ERP Out of Scope



# Electrical Controllers

## ELECTRICAL ACCESSORIES



1346



MANHR1345



1351



1361



1362

## Technical Details

The Manrose range of electrical accessories are designed to upgrade the switching mechanism of any standard fan providing that the electrical load is not less than 20 Watts or more than 200 Watts. A complete range of options are available in these remote control wall-mounted units.

### Fan Isolating Switch

3 pole, 1 gang fan isolating switch.

Cat. No.	Description
1346	Fan isolating switch

### Boost Speed Switch

For the Manrose range of heat recovery units.

Cat. No.	Description
MANHR1345	Boost speed switch

### Timer Model

Incorporating an electronic time delay switch which allows the fan to run on after the room has been vacated and is easily adjustable between 1-60 mins. Fits single pattress 20mm deep.

Cat. No.	Description
1351	Remote timer control

### Humidistat Models

Designed to operate the fan when the relative humidity reaches a pre-set level. This unit is adjustable between 20-90% RH. Also available with adjustable timer. Fits single pattress 20mm deep.

Cat. No.	Description
1361	Remote humidistat control and timer. Fits into a single pattress 20mm deep.

### P.I.R Model

Passive infra-red model, sensitive to movement will switch the fan on when someone enters the room and off when the room is vacated. The unit also incorporates a time delay switch, which requires no switched live and is energy efficient. Range 5 metres. Fits into a single pattress 20mm deep.

Cat. No.	Description
1362	Remote P.I.R. sensor control

# Electrical Speed Controllers

## FAN SPEED CONTROLLERS

### Technical Details

Manrose offer a wide range of variable, 2 speed controllers with reversible options. Consult our technical department for full details.

#### Fan Speed Controllers - Non Reversible

The variable non-reversing fan speed control is suitable for controlling the speed of fans providing that the electrical load is not less than 20 Watts or more than 200 Watts. Fits single pattress 20mm deep.

Cat. No.	Description
1350	Variable fan speed controller
COMTSCV	Variable fan speed controller

#### Fan Speed Controllers - Reversible

Suitable for WF/XF230/300/COMT/TK/CW/G (except MP models) range. Twin speed and variable speed options available.

Cat. No.	Description
1349	Reversible speed controller (variable)
COMTSCVR	Reversible speed controller (variable)
1348	Two speed reversible controller (230mm 9" and 300mm 12" fans)



1350



COMTSCV



1349



COMTSCVR



1348

# Deluxe Quick Internal Fit Wall Kit Domestic Range

## DELUXE QUICK INTERNAL FIT WALL KIT



The Manrose Deluxe Quick Internal Fit Wall Kit can be installed entirely from the inside of a property, reducing installation time and removing the need for costly and time consuming external grille fitting involving scaffolding.

This innovative wall kit includes an adjustable wall liner and external grille with a rubber seal on the outside of the building.

The wall kit can be adjusted to wall thicknesses anywhere between 225mm and 390mm - just measure the wall, then use the guide on the tube of the wall kit to set it to the correct length.

Simply insert the tube into the hole, deploy the external grille and 3 pins will hold the wall kit securely in place. The external grille and seal can then be pulled back against the external wall so a tight fit can be achieved.

The external rubber seal covers up any break-out on the external hole and leaves a clean, tidy finish. In addition, the rubber seal will help to protect against water ingress.

The wall kit is also suitable as a passive air inlet grille.

Patented design.

# Technical Details

## Cat. No.

DHRIWKW - White

## Product type

Deluxe Quick Internal Fit Wall Kit with White external grille and rubber seal.

DHRIWKB – Brown

Deluxe Quick Internal Fit Wall Kit with Brown external grille and rubber seal.

DHRIWKWBS - White

Deluxe Quick Internal Fit Wall Kit with White external grille and rubber seal with Backdraught Shutter.

DHRIWKBBS – Brown

Deluxe Quick Internal Fit Wall Kit with Brown external grille and rubber seal with Backdraught Shutter.

## Packaging

All models packaged in outers of 1. Contact our technical department for packaging dimensions.

## Installation

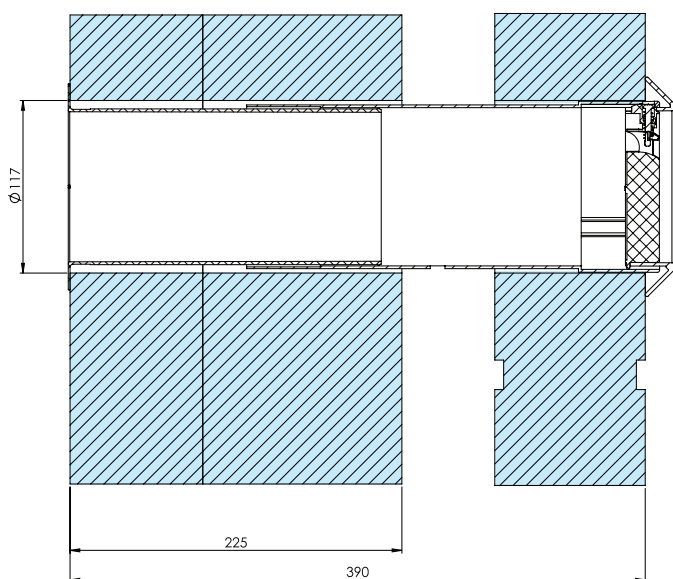
Designed to fit through the wall in a 117mm hole with a maximum depth of 390mm and a minimum depth of 225mm. Can be used with any 100mm fan - select model without integral backdraught shutter if fan already has them.

## Dimensions (mm)

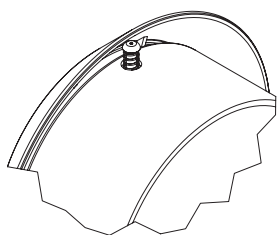
Min wall thickness: 225mm

Max wall thickness: 390mm

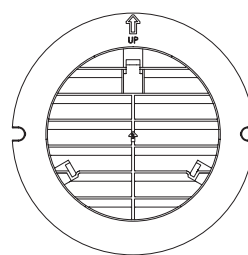
Hole diameter: 117mm



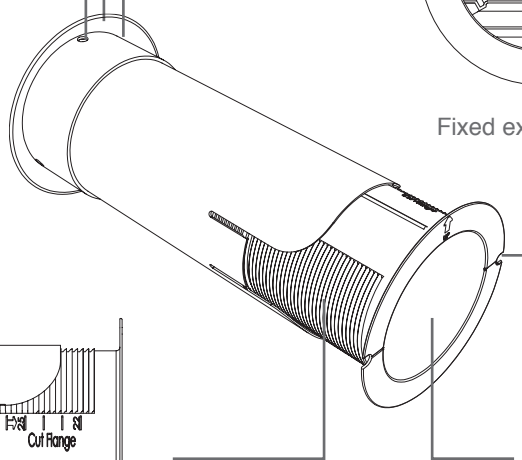
Rubber seal gives neat finish



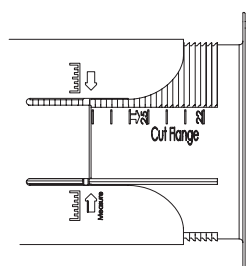
Locking pins secure wall kit in place



Fixed external grille



Screw fixings to secure in place



Easy to use measurement guide for flexible installation depth



Integral backdraught shutter (BS models)



# Ducting - Terminations

Wall Grilles available in White & Brown. Please state colour.

## Gravity Shutter Grille

Round Spigot - External Wall Grille



Cat. No.	Product Type	Size
1162	140 x 140mm Gravity Shutter Grille	100mm/4"
1182	160 x 160mm Gravity Shutter Grille	125mm/5"
1202	180 x 180mm Gravity Shutter Grille	150mm/6"
1209FG	286 x 286mm Gravity Shutter Grille	230mm/9"
1206FG	362 x 362mm Gravity Shutter Grille	300mm/12"

## Weather Proof Cowled Wall Outlet

With Damper - Round Spigot



Cat. No.	Product Type	Size
1240	Vent Hoods/Weatherproof Cowls	100mm/4"
1241	Vent Hoods/Weatherproof Cowls	125mm/5"
1242	Vent Hoods/Weatherproof Cowls	150mm/6"

## Fixed Louvre Grille

External Wall Grille - Round Spigot



Cat. No.	Product Type	Size
1152	140 x 140mm Fixed Louvre Grille	100mm/4"
1172	160 x 160mm Fixed Louvre Grille	125mm/5"
1192	180 x 180mm Fixed Louvre Grille	150mm/6"
1209*	286 x 286mm Fixed Louvre Grille	230mm/9"
1206*	362 x 362mm Fixed Louvre Grille	300mm/12"

\*Available in White only.

## Egg Crate Grille

Round Spigot - External Wall Grille



Cat. No.	Product Type	Size
1145*	140 x 140mm Egg Crate Grille	100mm/4"
1147*	160 x 160mm Egg Crate Grille	125mm/5"
1148*	180 x 180mm Egg Crate Grille	150mm/6"

\*Available in Brown and White only.

## Egg Crate Grille

Rectangular Spigot - External Wall Grille



Cat. No.	Product Type	Size
1146	140 x 140mm Egg Crate Grille	110 x 54mm

## Fixed Louvre Grille (Two Piece)\*

Round Spigot



Cat. No.	Product Type	Size
9152	140 x 140mm Fixed Louvre Grille	100mm/4"
9192	180 x 180mm Fixed Louvre Grille	150mm/6"

\*Please note the two piece wall grille is not part L compliant.

## Plate Grilles\*

External Plate Wall Grilles



Cat. No.	Product Type	Size
1210L	200 x 200mm Grille Fixed Louvre	150mm/6"
1220L	200 x 200mm Grille Gravity Shutters	150mm/6"
1208	286 x 286mm Grille Fixed Louvre	230mm/9"
1207	362 x 362mm Grille Fixed Louvre	300mm/12"

\* Available in White only

## Multi Fit Grilles

Dual fitting for Round and Rectangular Ducting



Cat. No.	Product Type	Size
41031*	A-Cowled Outlet - dual fitting	100mm/4"
41051*	B-Fixed Louvre - dual fitting	100mm/4"
41011*	C-Gravity Shutters - dual fitting	100mm/4"

\*Available in White only.

## Fly Screen\*

For fixed Wall Grilles



Cat. No.	Product Type	Size
FS100	Fly Screen	100mm/4"
FS120	Fly Screen	120mm/5"
FS150	Fly Screen	150mm/6"

\*We don't recommend the use of fly screens with mechanical extract ventilation. It can reduce the fans performance by up to 60% leaving the fan no longer complying with the building regulation doc Part F & L. Only for use with static-vent and return air boxes.

For information please contact our technical department.

## Internal Door Ventilator

Plastic Fixed Vent



Cat. No.	Product Type	Product Size
41450	Internal Door Ventilator	452x90mm

## Adjustable Vent

PVC Fully Adjustable Vent



Cat. No.	Product Type	Size
1800	PVC Adjustable Vent	250x81mm
1810	PVC Adjustable Vent	250x166mm
1820	PVC Adjustable Vent	250x250mm
1810C	Chrome Plated Vent	250x166mm
1820C	Chrome Plated Vent	250x250mm

## Fixed Louvre Vent

White PVC Vent for Maximum Flow



Cat. No.	Product Type	Size
1830	Fixed Louvre Vent	250x81mm
1840	Fixed Louvre Vent	250x166mm

## Internal Circular Egg Crate Grilles

Cat. No. Product Type Size



3100W	Circular Egg Crate Grilles - White	100mm/4"
3100C	Circular Egg Crate Grilles - Chrome	100mm/4"

# Ducting - Terminations

## Internal Circular Grilles



Cat. No.	Product Type	Size
2100W	Circular Grilles - White	100mm/4"
2100C	Circular Grilles - Chrome	100mm/4"
2120W	Circular Grilles - White	120mm/5"
2120C	Circular Grilles - Chrome	120mm/5"
2150W	Circular Grilles - White	150mm/6"
2150C	Circular Grilles - Chrome	150mm/6"



## External Round Louvred Grilles



Cat. No.	Product Type	Size
41020	Round Louvred Grille	100mm/4"
51020	Round Louvred Grille	125mm/5"
61020	Round Louvred Grille	150mm/6"

## Circular Air Diffusers

Duct Valves with Spring Connection & Fully Adjustable Centre Disc



Cat. No.	Product Type	Size
1250	Duct Valves with Spring Connection	100mm/4"
1251	Duct Valves with Spring Connection	120mm/5"
1260	Duct Valves with Spring Connection	150mm/6"
1259	Duct Valves with Spring Connection	200mm/8"

## Metal Valves



1250M	Metal Valves	100mm/4"
1251M	Metal Valves	125mm/5"
1260M	Metal Valves	150mm/6"

## Extract Ventilation Pipes



Weathering Collar

Cat. No.	Product Type	Size
1420	Extract Ventilation Pipes	110mm

## Extract Cover



Roof Cowl for Extract Ventilation Pipes

Cat. No.	Product Type	Size
1430	Extract Cover	110mm

## Through Roof Vent Kit



Complete with Weathering Slate, 100mm Roof Cowl and 500mm of Soil Pipe. Use 40419 adapter if connecting to 100mm ventilation ducting.

Cat. No.	Product Type	Size
1390	110mm Flat 406x406	110mm

## Weathering Slates - Aluminium



Cat. No.	Product Type	Size
1410	110mm Flat 406x406	110mm

## Five in One Roof Vent Kit



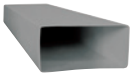
500 x 500mm lead through roof 5 way ventilation terminal available in dark grey. For angled roofs only.

Cat. No.	Product Type	Size
1395	Duct Sizes 100/110/125/150/160	150/160mm

# Ducting - Rectangular Rigid

## Flat Channel Ducting<sup>(a)</sup>

Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40100	110 x 54mm - L1000mm	54	110	1000	0.8	1.6	3.5	6.0	9.2	13.1	17.1	21.1
40150	110 x 54mm - L1500mm	54	110	1500	1.2	2.4	5.3	9.1	13.9	19.8	25.9	32
44020	110 x 54mm - L2000mm	54	110	1500	-	-	-	-	-	-	-	-
58100	150 x 70mm - L1000mm	70	150	1000	-	-	-	-	-	-	-	-
58150	150 x 70mm - L1500mm	70	150	1500	-	-	-	-	-	-	-	-
58030	150 x 70mm - L300mm	70	150	300	-	-	-	-	-	-	-	-
58040	150 x 70mm - L400mm	70	150	400	-	-	-	-	-	-	-	-
55100	204 x 60mm - L1000mm	60	204	1000	<1	<1	<1	1.5	2.2	3.0	3.9	5.1
55150	204 x 60mm - L1500mm	60	204	1500	<1	<1	1.3	2.2	3.3	4.5	5.9	7.8
55020	204 x 60mm - L2000mm	60	204	1500	-	-	-	-	-	-	-	-
Cat. No.	Product Type	H	W	D	60 l/s			120 l/s			180 l/s	
60910	220 x 90mm - L1000mm	90	220	1000	-	-	-	0.9	-	3.2	-	6.7
60915	220 x 90mm - L1500mm	90	220	1500	-	-	-	1.4	-	4.9	-	10.2
60902	220 x 90mm - L2000mm	90	220	2000	-	-	-	-	-	-	-	-
1501	225 x 25mm - L1000mm	25	225	1000	-	-	-	-	-	-	-	-
1503	225 x 25mm - L1500mm	25	225	1500	-	-	-	-	-	-	-	-
1502	225 x 25mm - L2000mm	25	225	2000	-	-	-	-	-	-	-	-
1500	225 x 25mm - L2400mm	25	225	2400	-	-	-	-	-	-	-	-
1509	300 x 25mm - L1000mm	25	300	1000	-	-	-	-	-	-	-	-
1508	300 x 25mm - L1500mm	25	300	1500	-	-	-	-	-	-	-	-
1510	300 x 25mm - L2000mm	25	300	2000	-	-	-	-	-	-	-	-
1515	300 x 25mm - L2400mm	25	300	2400	-	-	-	-	-	-	-	-



## Horizontal 90° Bend

Rectangular Horizontal Bend with Female Fittings Suitable for above Kitchen cupboards

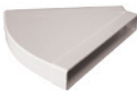
Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40500	110 x 54mm	60	152	152	2.3	9.9	21	38	64	93	124	162
58500	150 x 70mm	-	-	-	-	-	-	-	-	-	-	-
55500 <sup>(a)</sup>	204 x 60mm	65	260	260	<1	1.7	4.1	8.4	13	18	25	34
Cat. No.	Product Type	H	W	D	60 l/s			120 l/s			180 l/s	
60950	220 x 90mm	95	250	250	-	-	-	9	-	36	-	80
1540	225 x 25mm	-	-	-	-	-	-	-	-	-	-	-
1550	300 x 25mm	-	-	-	-	-	-	-	-	-	-	-



## Horizontal 45° Bend

Rectangular Horizontal Bend with Female Fittings Suitable for above Kitchen cupboards

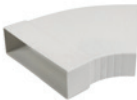
Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40450	110 x 54mm	-	-	-	-	-	-	-	-	-	-	-
55810 <sup>(a)</sup>	204 x 60mm	65	240	260	0.2	0.7	1.2	2.1	3.8	6.1	9.2	13
Cat. No.	Product Type	H	W	D	60 l/s			120 l/s			180 l/s	
60953	220 x 90mm	95	240	200	-	-	-	5	-	20	-	46
1560	225 x 25mm	-	-	-	-	-	-	-	-	-	-	-
1570	300 x 25mm	-	-	-	-	-	-	-	-	-	-	-



## Adjustable Horizontal Bend

For connecting to Flat Channel Ducting

Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
54500	204 x 60mm	-	-	-	-	-	-	-	-	-	-	-



## Vertical 90° Bend

90° Rectangular Vertical Bend with Female Fittings suitable for above Kitchen cupboards

Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40600	110 x 54mm	95	115	95	3.3	15.5	36	61	96	138	190	253
58600	150 x 70mm	-	-	-	-	-	-	-	-	-	-	-
55600 <sup>(a)</sup>	204 x 60mm	115	210	115	1.1	2.5	5.2	9.8	16.1	24	33.6	45
Cat. No.	Product Type	H	W	D	60 l/s			120 l/s			180 l/s	
60960	220 x 90mm	117	224	120	-	-	-	7	-	28	-	66
1600	225 x 25mm	-	-	-	-	-	-	-	-	-	-	-
1610	300 x 25mm	-	-	-	-	-	-	-	-	-	-	-



## Cross Over Duct Connector

Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
442273	30° Drop Down Connection	120	220	210	0.2	0.5	1.7	3.6	6.0	9.1	12.4	16.6



(a) Storage of Ducting Products: All straight duct lengths are supplied either wrapped or within boxes, surrounded with white protective packaging to help mitigate damaging effects of sunlight exposure. Do not remove the white reflective packaging and leave in sunlight. UV exposure breaks down the polymer chains, resulting in a weaker molecular bond within the PVC, leading to reduced tensile strength and flexibility. On receipt of goods, we recommend all PVC ducting products are immediately stored in a cool, shaded place to avoid damage due to heat build-up within the packaging. Any extrusions (lengths of product) should be stored horizontally and supported along the whole length of the product. In summer months, heat can build up inside packaging faster and there is a chance that PVC goods could become warped if stored incorrectly. Manrose will not be liable for any damage caused to ducting or PVC products through incorrect storage. This part comes in Grey. Whilst we will look to maintain the colour of Grey, by the nature of adopting a recycled plastic the colour and shade may vary at any given time.

# Ducting - Rectangular Rigid

## 45° Vertical Bend



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate								
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s	
40045	110 x 54mm	-	-	-	-	-	-	-	-	-	-	-	-
55645 <sup>(a)</sup>	204 x 60mm	-	-	-	-	-	-	-	-	-	-	-	-
Cat. No.	Product Type	H	W	D	60 l/s		120 l/s		180 l/s				
60963	220 x 90mm	110	225	115	6		27		65				
1670	225 x 25mm	-	-	-	-		-		-				
1690	300 x 25mm	-	-	-	-		-		-				

## Horizontal T-Piece - Adaptor to Connect Flat Channel Ducting



Cat. No.	Product Type	Size	Resistance (Pa) at flow rate							
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40080	110 x 54mm	110 x 54mm	vary on installation							
55582 <sup>(a)</sup>	204 x 60mm	204 x 60mm	vary on installation							
60955	220 x 90mm	220 x 90mm	vary on installation							

## Cross Over Duct Connector



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
442273	30° Drop Down Connection	120	220	210	0.2	0.5	1.7	3.6	6.0	9.1	12.4	16.6

## Rectangular Wall Plate



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
41150	154 x 154mm	154	154	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
58650	172 x 172mm	172	172	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
51150	119 x 264mm	119	264	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

## Flat Channel Connector



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40200	110 x 54mm	54	114	100	<1	<1	1.1	1.4	2.2	3.4	4.8	6.4
58200	150 x 70mm	-	-	-	-	-	-	-	-	-	-	-
55200 <sup>(a)</sup>	204 x 60mm	64	212	100	<1	<1	<1	<1	<1	<1	1.2	1.5
1520	225 x 25mm	-	-	-	-	-	-	-	-	-	-	-
1530	300 x 25mm	-	-	-	-	-	-	-	-	-	-	-
Cat. No.	Product Type	H	W	D	60 l/s		120 l/s		180 l/s			
60920	220 x 90mm	95	224	52	<1		<1		<1			

## Flat Channel Connector with Internal Damper



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40270	110 x 54mm - with Damper	60	115	75	16	17.5	19.5	22	25.5	30.5	36	42

## Rigid Duct Attenuator



Cat. No.	Product Type	Size	Resistance (Pa) at flow rate									
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s		
SL55105	0.6m Length	204 x 60mm	<1	<1	2.3	4.2	-	-	-	-	-	12.2
SL55100	1.0m Length	204 x 60mm	<1	<1	2.2	4.1	-	-	-	-	-	15

## Insulated Rectangular Duct



Cat. No.	Product Type	Size	Resistance (Pa) at flow rate									
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s		
IJRP55150	1.5m Length	204 x 60mm	<1	<1	1.3	2.2	3.3	4.5	5.9	7.8	-	-
IJRP55020	2.0m Length	204 x 60mm	-	-	-	-	-	-	-	-	-	-
IJRP60915	1.5m Length	220 x 90mm	-	-	-	-	-	-	-	-	-	-
IJ204-1.5	1.5m Length Jacket	204 x 60mm	-	-	-	-	-	-	-	-	-	-
IJ204-2	2.0m Length Jacket	204 x 60mm	-	-	-	-	-	-	-	-	-	-
IJ220-1.5	1.5m Length Jacket	220 x 90mm	-	-	-	-	-	-	-	-	-	-

## Insulated Vertical Bend



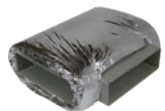
Cat. No.	Product Type	Size	Resistance (Pa) at flow rate									
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s		
IJBV55645	Vertical 45° Bend	204 x 60mm	0.1	0.5	1.3	2.5	4.4	6.9	10	13.3	-	-
IJBV55600	Vertical 90° Bend	204 x 60mm	1.1	2.5	5.2	9.8	16.1	24	33.6	45	-	-
IJV204-90	Vertical 90° Bend Jacket	204 x 60mm	-	-	-	-	-	-	-	-	-	-

## Insulated Horizontal Bend



Cat. No.	Product Type	Size	Resistance (Pa) at flow rate									
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s		
IJBH55810	Horizontal 45° Bend	204 x 60mm	0.2	0.7	1.2	2.1	3.8	6.1	9.2	13	-	-
IJBH55500	Horizontal 90° Bend	204 x 60mm	0.7	1.7	4.1	8.4	13	18	25	34	-	-
Cat. No.	Product Type	Size	60 l/s		120 l/s		180 l/s					
IJBH60950	Horizontal 90° Bend	220 x 90mm	9		36		80					
IJ220-90	90° Bend Jacket	220 x 90mm	-		-		-					

## Insulated T-Piece Bend



Cat. No.	Product Type	Size	Resistance (Pa) at flow rate							
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
IJTH55582 <sup>(a)</sup>	T-Piece	204 x 60mm	vary on installation							

(a) This part comes in Grey. Whilst we will look to maintain the colour of Grey, by the nature of adopting a recycled plastic the colour and shade may vary at any given time.

# Ducting - Adaptors

## Elbow 90° Bend M to F

Connector for joining Round Pipe, Flexi Hose & Flat Channel Ducting



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40300 (F)	100mmØ to 110 x 54mm	90	115	140	3	8	17.7	33	49.9	74.5	101	137
40400 (M)	100mmØ to 110 x 54mm	-	-	-	-	-	-	-	-	-	-	-
58400	125mmØ to 150 x 70mm	-	-	-	-	-	-	-	-	-	-	-
54400	100mmØ to 204 x 60mm	80	215	195	2.9	7.1	15.1	28	45.1	68.1	92.2	118
55400**	125mmØ to 204 x 60mm	80	215	195	3.1	5.9	12.2	25	43.6	62.2	86	111
56400**	150mmØ to 204 x 60mm	80	215	195	2.8	4.9	11.6	21	31	41	53	67
60941	100mmØ to 220 x 90mm	118	226	240	-	-	-	-	-	-	-	-
60951	125mmØ to 220 x 90mm	118	226	240	-	-	-	-	-	-	-	-
60961	150mmØ to 220 x 90mm	11	226	240	-	-	-	-	-	-	-	-

## Short to Round Rectangular Adaptor

with male/female adaptors for Connecting Flat Channel Ducting to Round Hose



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40700	100mm to 110 x 54mm (F)	60	110	105	1.2	4.3	8.4	20	30.2	43	62	88
40710	100mm to 110 x 54mm (M)	60	110	105	1.2	4.3	8.4	20	30.2	43	62	88

## Round to Rectangular Adaptor - Adaptor to Connect Flat Channel Ducting



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40701	100mmØ to 110 x 54mm	100	115	180	1.2	4.2	8.3	19.8	29.9	42	60	86
58701	125mmØ to 150 x 70mm	-	-	-	-	-	-	-	-	-	-	-
55710**	100mmØ to 204 x 60mm	140	210	215	1.0	1.96	3.2	4.9	6.7	8.7	11.2	14.5
55700**	125mmØ to 204 x 60mm	140	210	213	<1	<1	1.5	2.8	4.5	6.7	9	11.5
60970	150mmØ to 220 x 90mm	160	225	203	-	-	-	-	-	-	-	-

## Adaptor - Adaptor to Connect Round Pipe Ducting



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
54544	125mm to 100mm	-	-	-	-	-	-	-	-	-	-	-

## Offset Reducer

Adaptor to Connect Round Pipe Ducting



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
45644	150mm to 125mm or 100mm	-	-	-	-	-	-	-	-	-	-	-

## Circular Reducer

Adaptor to Connect Round Pipe Ducting, Flexi Hose & Fan Spigots



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
54119	125mm to 100mm	-	-	-	-	-	-	-	-	-	-	-
64619	150mm to 100mm	-	-	-	-	-	-	-	-	-	-	-
65118	150mm to 125mm	-	-	-	-	-	-	-	-	-	-	-
86117	200mm to 150mm	-	-	-	-	-	-	-	-	-	-	-
98116	250mm to 200mm	-	-	-	-	-	-	-	-	-	-	-
12800	300mm to 200mm	-	-	-	-	-	-	-	-	-	-	-
40419	110mm to 100mm	-	-	-	-	-	-	-	-	-	-	-

## Plenum Cooker Hood/Fan - with Connector



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
1640	100mm to 225mm	-	-	-	-	-	-	-	-	-	-	-
1650	100mm to 300mm	-	-	-	-	-	-	-	-	-	-	-
1645	120mm to 225mm	-	-	-	-	-	-	-	-	-	-	-
1655	120mm to 300mm	-	-	-	-	-	-	-	-	-	-	-

## Round to Rectangular Adaptor - Requires 414C Connector



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40725	100mm to 225 x 25mm	-	-	-	-	-	-	-	-	-	-	-
40730	105mm to 300 x 25mm	-	-	-	-	-	-	-	-	-	-	-

## Double Airbrick



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
60905W	220 x 90mm White	145	245	80	0.2	1.6	4.3	8.7	13.9	21.1	27.5	37.4
60905B	220 x 90mm Brown	145	245	80	0.2	1.6	4.3	8.7	13.9	21.1	27.5	37.4
60905CS	220 x 90mm Cotswold St.	145	245	80	0.2	1.6	4.3	8.7	13.9	21.1	27.5	37.4
60905T	220 x 90mm Terracotta	145	245	80	0.2	1.6	4.3	8.7	13.9	21.1	27.5	37.4

## Double Airbrick Adaptor to Rectangular Duct

Fits High Performance Ducting 220 x 90mm to double Airbrick 60905



Cat. No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
60977	Double Airbrick Adaptor	-	-	-	-	-	-	-	-	-	-	-

\*\*This part comes in Grey. Whilst we will look to maintain the colour of Grey, by the nature of adopting a recycled plastic the colour and shade may vary at any given time.

# Ducting - Adaptors



## Double Airbrick Adaptor to Round Duct

Fits 100/125/150mm Round Pipe

Cat No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate						
		H	W	D	60 l/s	120 l/s	180 l/s				
60954	Double Airbrick Adaptor	-	-	-	-	-	-	-	-	-	-



## High Performance Ducting Adaptor

Fits 125 Channel Ducting 220x90mm to High Performance Ducting

Cat No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
60957	Adaptor	-	-	-	-	-	-	-	-	-	-	-



## Airbrick Adaptor

To connect Flat Channel Ducting and Airbrick Ventilators

Cat No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
1580	Adaptor	-	-	-	-	-	-	-	-	-	-	-
1590	Adaptor	-	-	-	-	-	-	-	-	-	-	-



## Extended Horizontal Airbrick - For 225mm to 300mm System

Cat No.	Product Type	External Dimensions (mm)			Resistance (Pa) at flow rate							
		H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
1572	Fits Direct to Flat Channel	-	-	-	-	-	-	-	-	-	-	-
1573	Fits Direct to Flat Channel	-	-	-	-	-	-	-	-	-	-	-



## Slimline Airbrick

Cat. No.	Product Type	Size	Resistance (Pa) at flow rate								
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s	
45010*	Horizontal Louvre	110x54mm	-	-	-	-	-	-	-	-	-

\* Fits into airbrick adaptor - 40770, 1572, 1573, 1580, 1590.



## Slimline Airbrick

Wall Outlet

Cat. No.	Product Type	Size	Resistance (Pa) at flow rate								
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s	
55010	Horizontal Louvre	204x60mm	-	-	-	-	-	-	-	-	-
55011*	Vertical Louvre	204x60mm	-	-	-	-	-	-	-	-	-
55012	Low resistance airbrick	204x60mm	-	-	-	-	-	-	-	-	-

\*Available in White only.



## Slimline Airbrick with Internal Damper

Cat. No.	Product Type	Size	Resistance (Pa) at flow rate								
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s	
55501	Horizontal Louvre	204x60mm	-	-	-	-	-	-	-	-	-

## Airbrick Adaptor

For use with Flat Channel Ducting and Slimline Air Bricks



Cat. No.	Product Type	Size	Resistance (Pa) at flow rate								
			8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s	
40770*	Airbrick Adaptor	110x54mm	-	-	-	-	-	-	-	-	-

\* Fits airbrick 45010

\*\*This part comes in Grey. Whilst we will look to maintain the colour of Grey, by the nature of adopting a recycled plastic the colour and shade may vary at any given time.



# Ducting - Round Flexible & Rigid

## Aluminium Flexible Ducting

Aluminium Flexible Ducting Hose



Cat. No.	Product Type	Size
1010	3 metre	100mm/4"
1011	1.5 metre	120mm/5"
1012	3 metre	120mm/5"
1013	1.5 metre	150mm/6"
1014	3 metre	150mm/6"

## Insulated Round Hose



Cat. No.	Product Type	Size
INSDUCT102	10 metre	102mm
INSDUCT127	10 metre	127mm
INSDUCT152	10 metre	152mm

## Aluminium Laminated Flexible Ducting

Aluminium Flexible Hose



Cat. No.	Product Type	Size
1050	102mm Aluduct - 10 metre	100mm 4"
1060	127mm Aluduct - 10 metre	125mm 5"
1070	152mm Aluduct - 10 metre	150mm 6"
1071	200mm Aluduct - 10 metre	200mm 8"
1080	250mm Aluduct - 10 metre	230mm 9"

## Rectangular PVC Flexible Ducting

3m Rectangular Flexible Hose



Cat. No.	Product Type	Size
10212	3 metre - 110 x 54mm	100mm/4"
10255	3 metre - 150 x 70mm	125mm/5"
10252	3 metre - 204 x 60mm	125mm/5"
10263	3 metre - 220 x 90mm	150mm/6"

## Acoustic Round Duct



Cat. No.	Product Type	Size
SOUNDUCT102	100mm 4" - L10m	100mm 4"

## PVC Flexible Ducting

PVC Flexible Ducting Hose



Cat. No.	Product Type	Size
3761	1 metre	80mm/3"
37615	15 metre	80mm/3"
101025	1 metre	100mm/4"
1020	3 metre	100mm/4"
1021	3 metre	100mm/4"
1024	6 metre	100mm/4"
1025	4 metre	120mm/5"
1026	5 metre	150mm/6"
10410	10 metre	100mm/4"
10415	15 metre	100mm/4"
1023	45 metre	100mm/4"
10251	1 metre	120mm/5"
5753	3 metre	120mm/5"
1030	4 metre	120mm/5"
5756	6 metre	120mm/5"
10510	10 metre	120mm/5"
10515	15 metre	120mm/5"
1068	45 metre	120mm/5"
10253	1 metre	150mm/6"
6763	3 metre	150mm/6"
1040	5 metre	150mm/6"
6766	6 metre	150mm/6"
10610	10 metre	150mm/6"
10615	15 metre	150mm/6"
8786	6 metre	200mm/8"
87815	15 metre	200mm/8"

## Round Pipes - PVC (a)



Cat. No.	Product Type	Size
41350	100mm - L350	100mm/4"
41500	100mm - L500	100mm/4"
41900	100mm - L1000	100mm/4"
41915	100mm - L1500	100mm/4"
42000	100mm - L2000	100mm/4"
51350	120mm - L350	120mm/5"
51500	120mm - L500	120mm/5"
51900	120mm - L1000	120mm/5"
51915	120mm - L1500	120mm/5"
52000	120mm - L2000	120mm/5"
61350	150mm - L350	150mm/6"
61500	150mm - L500	150mm/6"
61900	150mm - L1000	150mm/6"
61915	150mm - L1500	150mm/6"
62000	150mm - L2000	150mm/6"
40420	4" Round Pipe clip	100mm/4"
50520	5" Round Pipe clip	120mm/5"

## Round Sleeve Pipe

Creates Telescopic Assembly with Round Pipe



Cat. No.	Product Type	Size
SPIPE4	Round Pipe Sleeve - 1m	100mm/4"
SPIPE5	Round Pipe Sleeve - 1m	120mm/5"
SPIPE6	Round Pipe Sleeve - 1m	150mm/6"

## Round Pipe Telescopic Assembly



Cat. No.	Product Type	Size
TPIPE4	250mm to 450mm	100mm/4"
TPIPE5	250mm to 450mm	120mm/5"
TPIPE6	250mm to 450mm	150mm/6"

## Round Pipe Connectors

For use with PVC/Aluminium Ducting



Cat. No.	Product Type	Size
414C	Connector/PVC	100mm/4"
515C	Connector/PVC	120mm/5"
616C	Connector/PVC	150mm/6"
414CD	Connector with Damper	100mm/4"
616CD	Connector with Damper	150mm/6"
1091	Connector/Aluminium	100mm/4"
1092	Connector/Aluminium	120mm/5"
1093	Connector/Aluminium	150mm/6"
10918	Connector/Aluminium	200mm/8"
10919	Connector/Aluminium	230mm/9"
10912	Connector/Aluminium	300mm/12"

## T piece Connectors

PVC/Aluminium to connect Round Ducting



Cat. No.	Product Type	Size
44920	T Piece/PVC	100mm/4"
44930	T Piece/PVC	120mm/5"
44940	T Piece/PVC	150mm/6"
1094	T Piece/Aluminium	100mm/4"
1095	T Piece/Aluminium	120mm/5"
1096	T Piece/Aluminium	150mm/6"
10948	T Piece/Aluminium	200mm/8"
10943	T Piece/Aluminium	300mm/12"

## Y piece Connectors

PVC to connect Round Ducting



Cat. No.	Product Type	Size
44950	Y Piece/PVC	100mm/4"
44960	Y Piece/PVC	120mm/5"
44970	Y Piece/PVC	150mm/6"

(a) Storage of Ducting Products: All straight duct lengths are supplied either wrapped or within boxes, surrounded with white protective packaging to help mitigate damaging effects of sunlight exposure. Do not remove the white reflective packaging and leave in sunlight. UV exposure breaks down the polymer chains, resulting in a weaker molecular bond within the PVC, leading to reduced tensile strength and flexibility. On receipt of goods, we recommend all PVC ducting products are immediately stored in a cool, shaded place to avoid damage due to heat build-up within the packaging. Any extrusions (lengths of product) should be stored horizontally and supported along the whole length of the product. In summer months, heat can build up inside packaging faster and there is a chance that PVC goods could become warped if stored incorrectly. Manrose will not be liable for any damage caused to ducting or PVC products through incorrect storage. This part comes in Grey. Whilst we will look to maintain the colour of Grey, by the nature of adopting a recycled plastic the colour and shade may vary at any given time.



# Ducting - Round Rigid & Accessoiresies



## 45° Bend

Connectors for Round Pipe Systems

Cat. No.	Product Type	Size
44450	Connector/PVC/45°	100mm/4"
55450	Connector/PVC/45°	120mm/5"



## Threaded Hose Connectors

Hose Connector for Round Pipe system & Flexi Hose

Cat. No.	Product Type	Size
4124M	100mm - Male	100mm/4"
4126F	100mm - Female	100mm/4"
5124M	120mm - Male	120mm/5"
5126F	120mm - Female	120mm/5"
6124M	150mm - Male	150mm/6"
6126F	150mm - Female	150mm/6"



## Insulated PVC Round Pipe

Cat. No.	Product Type	Size
IJRP41915	1.5m Length	100mm
IJRP42000	2.0m Length	100mm
IJRP51915	1.5m Length	125mm
IJRP52000	2.0m Length	125mm
IJRP62000	2.0m Length	150mm
IJ125-1.5	1.5m Length Jacket	125mm
IJ100-2	2m Length Jacket	100mm
IJ125-2	2m Length Jacket	125mm
IJ150-2	2m Length Jacket	150mm



## Insulated Bend

Cat. No.	Product Type	Size
IJB44450	45° PVC Bend	100mm
IJB44900	90° PVC Bend	100mm
IJB55450	45° PVC Bend	125mm
IJB55900	90° PVC Bend	125mm
IJB66900	90° PVC Bend	150mm
IJ125-45	45° PVC Bend Jacket	125mm
IJ125-90	90° PVC Bend Jacket	125mm



## Insulated T-Piece

Cat. No.	Product Type	Size
IJTP44920	T-Piece	100mm
IJTP44930	T-Piece	125mm
IJTP44940	T-Piece	150mm
IJT125	T-Piece Jacket	125mm
IJT150	T-Piece Jacket	150mm

## Round Wall Plate



Cat. No.	Product Type	Size
41140	154 x 154mm	100mm/4"
51140	172 x 172mm	120mm/5"
51145	200 x 200mm	150mm/6"

## Condensation Traps



Condensation Trap with Overflow.

Cat. No.	Product Type	Size
1440	Condensation Traps	110mm/4"
1450	Condensation Traps	125mm/5"
1460	Condensation Traps	150mm/6"



## Flat Channel Clip

Cat. No.	Product Type	Size
41220	110 x 54mm	110 x 54mm
58220	150 x 70mm	150 x 70mm
51220	204 x 60mm	204 x 60mm



## Duct Support Clip

For use with Flat Channel Ducting

Cat. No.	Product Type	Size
60922	Duct support clip	220x90mm
1680	Duct support clip	225x25mm/ 300x25mm



## In-Line Backdraught Shutter

Can be mounted onto the spigot of the 4" / 5" / 6" XF, SF fans or In-Line in the ducting

Cat. No.	Product Type	Size
1230	In-Line backdraught Shutter	100mm/4"
1231	In-Line backdraught Shutter	120mm/5"
1232	In-Line backdraught Shutter	150mm/6"



## Metal Clamps

Metal Worm Drive Clamps 8mm wide

Cat. No.	Product Type	Size
1100	50mm - 110mm	100mm/4"
1110	60mm - 165mm	120mm/5"
1120	60mm - 325mm	150mm/6"



## Tapes

Self-Adhesive Tapes

Cat. No.	Product Type	Size
11405W	PVC Tape - White	50mmx5m
1140	PVC Tape - Grey	50mmx10m
1140W	PVC Tape - White	50mmx10m
114033W	PVC Tape - White	50mmx33m
1130	Aluminium Tape	50mmx45m



## Spares

Cat. No.	Product Type
1310	TDI Replacement Timer Boards
1340	Replacement Pullcord switches
1345	Extra Long Pullcord switches

# Ducting - Kits

Wall Outlets available in White & Brown - Please state colour when ordering.

## Window Vent Kits

Cat. No.	Product Type	Size
1269	Window Vent Kit for XF100 Fans	100mm/4"
	Complete with External Backdraught Shutters	
12691	As above with Fixed Louvre Grille for XF100A Fans	100mm/4"
1267	Window Vent Kit for XF120 Fans	120mm/5"
	Complete with External Backdraught Shutters	
12671	As above with Fixed Louvre Grille for XF120A	120mm/5"
1268	Window Vent Kit for XF150 Fans	150mm/6"
	Complete with External Backdraught Shutters	
12681	As above with Fixed Louvre Grille for XF150A	150mm/6"

## Duct Kit

400mm Wall Vent Kit for the WF Series / Aluminium Wall Liner

Cat. No.	Product Type	Size
1301	for WF230 Series	230mm/9"
1299	for WF300 Series	300mm/12"

## Wall Vent Kits

Kits complete with Aluminium Flexible Ducting & External Wall Grilles in White, Grey, Brown, Terracotta & Cotswold Stone (380mm length)

Cat. No.	Product Type	Size
1270	XFFK for XF100 range	100mm/4"
1280**	SVK for XF150 range	150mm/6"
1290**	AVK for XF150A range	150mm/6"
1291*	SVK for XFS230 range	230mm/9"
1292*	SVK for XFS 300 range	300mm/12"

\*Product supplied with Plate Grilles. \*\*Available in White only.

## Tumble Dryer Venting Kit

With White Gravity Grille

Cat. No.	Product Type	Size
41703	Tumble Dryer Kit 100mm	100mm/4"

## Indoor Tumble Dryer Vent Kit

Cat. No.	Product Type	Size
41704	Tumble Dryer Kit	100mm/4"

## Tumble Dryer - Venting Kit

With Cowled Grille

Cat. No.	Product Type	Size
7207	Rectangular Tumble Dryer Kit 100mm	100mm/4"
7208*	Round Tumble Dryer Kit 100mm	100mm/4"

\*Available in White only.

## Cooker Hood - Venting Kit

With Gravity Grille

Cat. No.	Product Type	Size
43077	Cooker Hood kit 120mm	120mm/5"
43078	Cooker Hood kit 150mm	150mm/6"

## High Rise Installation Kit

With Round Cowl Outlet

Cat. No.	Product Type	Size
72447	Round Pipe 100mm	100mm/4"

## Telescopic Outlet Set

With Weatherproof Cowl

Cat. No.	Product Type	Size
7108	Round Pipe 250mm to 450mm	100mm/4"
7508*	Round Pipe 250mm to 450mm	120mm/5"
7608*	Round Pipe 250mm to 450mm	150mm/6"

\*Available in White only.

## Telescopic Return Air Box Set

With Fixed Grille

Cat. No.	Product Type	Size
7616	Round Pipe 250mm to 450mm	150mm/6"

## Weatherproof Cowl Kit

1m Round Hose with Weatherproof Cowl

Cat. No.	Product Type	Size
7203	1m Round Hose kit	120mm/5"
7204	1m Round Hose kit	150mm/6"

## Gravity Grille Kit

1m Round Hose with Gravity Grille

Cat. No.	Product Type	Size
7205	1m Round Hose kit	100mm/4"
7216*	1m Round Hose kit	120mm/5"
7217	1m Round Hose kit	150mm/6"

\*Available in White only.

## Fixed Grille Kit

1m Round Hose with Fixed Grille

Cat. No.	Product Type	Size
7218*	1m Round Hose kit	100mm/4"
7215	1m Round Hose kit	120mm/5"
7220	1m Round Hose kit	150mm/6"

\*Available in White only.

## Flat Channel Ducting Kit

With Weatherproof Cowl and Horizontal Bend

Cat. No.	Product Type	Size
7212	3m Flat Channel Ducting Kit	100mm/4"

## Round Pipe Ducting Kit

With Cowled Outlet & 90° Bend

Cat. No.	Product Type	Size
72605	3m Round Pipe Ducting Kit	150mm/6"

# Ducting - Fire Stopping

## Fire Sleeves



FCR110N*	Rectangular Fire Sleeves	110x54mm
FCR204N*	Rectangular Fire Sleeves	204x60mm
FCR220N*	Rectangular Fire Sleeves	220x90mm.



FCSC100N*	Round fire sleeves	100mm
FCSC125N*	Round fire sleeves	125mm
FCSC150N*	Round fire sleeves	150mm

## Metal Valves & Metal Fire Valves\*



Cat. No.	Product Type	Size
FV1250*	Metal Valve rated to 60mins	100mm/4"
FV1251*	Metal Valve rated to 60mins	125mm/5"
FV1260*	Metal Valve rated to 60mins	150mm/6"

## Fire Dampers

Can be mounted vertically or horizontally, and have a one hour fire rating in both directions



Cat. No.	Product Type	Size
1261*	Fusible Link Fire Damper	100mm/4"
1262*	Fusible Link Fire Damper	120mm/5"
1263*	Fusible Link Fire Damper	150mm/6"

\*Manrose Manufacturing Ltd does not guarantee compliance with Building Regulations Part B, Fire Spread or other regulations that relate to fire planning. Suitability to comply with these regulations should be determined prior to installation and in conjunction with Building Control Officers. Compliance with the Regulations is specifically excluded from quotations and designs.

LOT 20  
COMPLIANT

# Panel Heater with 24/7 timer options

## Maniheat Heating Range

HP24TIMPH100T/150T/200T



The Manrose 24/7 Panel Heaters connect directly to the permanent electricity supply offering two heat output settings depending on your heating needs. The timer option allows user to select one of 12 pre-set programmes or create a customised 'DIY' heating programme. Wall fixtures are included.

- Silent in operation
- High efficiency of airflow with over 95% of used energy creating heat
- User friendly LCD display screen
- 12 pre-set programmes available
- 1 user defined programme available
- Program and real-time clock memory function
- Thermostat for temperature setting (5°C-30°C)
- Adjustable temperature in Normal and Economic modes
- 24 hour On/Off Timer
- Anti-frosting function
- Ionizer function
- Child safety lock
- Over-heat safety protection
- IP24 Rated

Model	HP24TIMPH100T	HP24TIMPH150T	HP24TIMPH200T
Power	1000W	1500W	2000W
Colour	White	White	White
Heating setting	1000W	1500W	2000W
Heating area	10-13m <sup>2</sup>	15-18m <sup>2</sup>	20-23m <sup>2</sup>
Voltage	230-240V 50Hz	230-240V 50Hz	230-240V 50Hz
Approval	CE, EMC, LVD, RoHS, ERP	CE, EMC, LVD, RoHS, ERP	CE, EMC, LVD, RoHS, ERP
Product size (HxWxD)	440x455 x125mm	440x615 x125mm	440x775 x125mm
Packaged size (HxWxD)	505x520 x155mm	505x680 x155mm	505x840 x155mm
Heater weight	4kg	5.1kg	6.55kg
Gross weight	5.1kg	6.3kg	7.88kg



# Sunburst Radiant Heaters

## Maniheat Heating Range

SUNB2/SUNB3000BL-MAN



The Sunburst radiant heaters are ideal for outdoor spaces as well as pubs, cafes, bars and restaurants. The heaters comes delivered with an easy-to-mount wall bracket and cable to speed up installation.

- Instant heat from switch on
- Economical and easy to install
- Silent in operation
- No yearly maintenance cost
- One second heat up time
- Precision heating directed where you need it

### Additional Data

<b>Model</b>	SUNB2000BL	SUNB3000BL
<b>WxHxD (with bracket)</b>	460 x 190 x 220mm	935 x 150 x 97.5mm
<b>WxHxD (without bracket)</b>	460 x 190 x 113mm	935 x 150 x 85.5mm
<b>Heater Wattage</b>	2kW	3kW
<b>Lamp Type</b>	Low glare halogen lamp	Long life carbon fibre lamp
<b>Grille</b>	304 stainless steel	304 stainless steel
<b>Housing</b>	Powder coated black aluminium	Power-coated is black aluminium
<b>Weight</b>	2.6kg	4.2kg
<b>IP Rating</b>	IP65	IP54
<b>Element life span</b>	5000 hours	10000 hours
<b>Warranty</b>	2 years	2 years

# Heated Towel Rails

## Maniheat Heating Range

MANC/MANF/MANFR/150/250/400



- Improved IP55 rated
- Plug kit can be handed left or right
- Five year leakage warranty
- One year manufacturer's warranty
- Heating element included
- Stylish designs
- Steel construction with high quality white and chrome finishes
- Production is carried out using latest technology resulting in absolute consistency in quality
- Complete fitting set supplied

#### Range Options

Manrose Heated Towel Rails quickly warm and dry towels. Their presence on the wall also adds to the overall style, temperature and comfort of the room.

This comprehensive range of white and chrome towel rails offers different models across the flat, curved and designer ranges. The range offers sizes from 400 x 700mm to 500 x 1500mm available in four heat outputs of 150, 250 and 400W matched to the size of the rail.








#### Advantages of Towel Rails

Adequately heating your bathroom using a Manrose towel rail not only leaves your towels warm and dry, but helps regulate temperature to the rest of the room decreasing the chances of mould and condensation.

#### Style and Comfort

With the Manrose range of towel rails you will find a towel rail to suite all applications and sizes. Every towel rail uses thermally regulated heating elements and a mixture of high inertia fluid to order to maintain even heat distribution around the entire rail.

# Technical Details

Cat. No.	Description
 MANF250TRW	Flat White Ladder Towel Rail 250 Watts
 MANF250TRC	Flat Chrome Ladder Towel Rail 250 Watts
 MANF400TRC	Flat Chrome Ladder Towel Rail 400 Watts
 MANC250TRC	Curved Rail Chrome Towel Rail 250 Watts
 MANC400TRC	Curved Rail Chrome Towel Rail 400 Watts
 MANFR250TRC	Flat Rail Chrome Towel Rail 250 Watts
 MANFR150TRC	Flat Rail Chrome Towel Rail 150 Watts

## Dimensions (mm)

Cat. No.	Width	Height
MANF250TRW	500	1100
MANF250TRC	500	1100
MANF400TRC	500	1500
MANC250TRC	500	1100
MANC400TRC	500	1500
MANFR150TRC	400	700
MANFR250TRC	500	1000











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