ErP COMPLIANT

MANROSE®

Manufacturers of Ventilation Fans and Equipment

- Ventilation Fans
- Mechanical Extract Ventilation (MEV)
- Heat Recovery (MVHR)
- Hand Driers
- Electrical Heating
- Cooling
- Ducting
- Accessories

issue 17

Includes our new Quiet Fan Conceal, Silent Fan Conceal and Deluxe Quick Internal Fit Wall Kit

MANROSE®

Manrose Manufacturing continues to maintain its position at the forefront of the ventilation and fan equipment market. The company has been manufacturing practical, reliable ventilation equipment for almost 30 years and credits its success to a simple philosophy of offering cost-effective, innovative products to suit any requirement.

Manrose's research and development team has consistently produced products that stand out from the rest, bringing them to market through a team of experienced professionals who understand the needs of our customers. Our policy of ongoing investment in product development has been a key force in driving the company to the top of the ventilation fans and equipment market.

The 2000m^2 head office complex is divided into administrative, sales and assembly areas, and is responsible for logistics on an ever-growing product range of over 2000 items. In addition to the established 4000m^2 manufacturing facility in Reading, Manrose have a distribution centre close by.

Thanks to an understanding of local needs and standards, Manrose are able to design products that are ideally suited to UK installers and fully compliant with the latest legislation. This commitment to quality has also enabled us to make highly profitable inroads into the Far Eastern markets, reversing the general trend and creating more exports for the UK. This is clear evidence that the benefits of innovative design, ease of installation, energy efficiency and sensible pricing we bring to the UK market are also appreciated further afield.

At the heart of Manrose's operation is a total commitment to the UK market, evidenced by the ongoing expansion of manufacturing facilities. Our production facility operates 32 state-of-the-art moulding machines, ranging from 25 tonnes to 450 tonnes, with the recent addition of new 100 Ton, 250 Ton and 270 Ton machines. Our capabilities also include three extrusion machines for rigid flat channel ducting, as well as three machines for the production of flexible PVC and one machine for Semi Rigid aluminium foil ducting.

A sealed cooling system for the machinery allows the facility to operate its 18 fan assembly lines and 8 kitting and packaging lines 24 hours a day, developing and manufacturing new families of fans encompassing domestic, commercial and industrial applications. The facility includes fully automated drying and material feed system, an automatic colour dosing system and state of the art conveyor systems that delivers mouldings to a central position for sorting, checking and packing.

With locations close to the M4 at Slough and Reading, our fleet of vehicles provides fast access to the country's main arteries, ensuring quick delivery from our extensive warehouses.

Manrose's innovations are the result of listening to customers and understanding their needs. With energy efficiency now a prime consideration, and often compulsory for new buildings, we have ensured that all of our products offer optimum performance, as well as introducing added value features such as the humidistat controlled fan.

The humidistat fan is controlled in relation to humidity levels in the space rather than a pre-set run time. This ensures that the space is thoroughly ventilated without wasting energy through over-ventilating. Similar efficiency improvements are afforded by our occupancy-controlled fans, which switch off when the space has been vacated for a pre-set time. By enabling fans to interact with their environment in this way, Manrose provides end users with a high level of comfort with minimal cost of ownership.

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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.

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 60 litres per second from kitchens and no less than 15 litres per second from bath/shower rooms. Our continuos 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 15 litres per second/54m^3/hr, or a continuous running fan capable of a minimum high rate of 8 litres per second/46m^3/hr when installed.
- Toilets (Separate From a Bathroom):
  The Regulations require a fan capable of a minimum extract capacity of 6 litres per second/21m^3/hr, or a continuous running fan capable of a minimum high rate of 6 litres per second/21m^3/hr when installed. N.B. 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 fan capable of extracting 30 litres per second (adjacent to the hob) or 60 litres per second elsewhere. A continuous running fan must have a minimum high rate of 13 litres per second/28m^3/hr.
- Utility Rooms:
  The Regulations require an intermittent fan capable of extracting 30 litres per second/108m^3/hr (63FM) when installed. A continuous running fan must have a minimum high rate of 8 litres per second/46m^3/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 adjacent to hob; or 60 l/s elsewhere	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	13	17	21	25	29

Note.
The minimum ventilation rate should be not less than 0.3 l/s per m^2 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 in the window or wall nearest to smells or steam, but not directly above eye-level grills or cooker hoods.

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) 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 4", 5", 6", 9" and 12" sizes.
- 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.

To calculate the correct fan required for a particular room you need to know the room volume in cubic metres i.e. length x breadth x height and then multiply by the number of air changes required.

	Example 1	Example 2
Room	**Bathroom**	**Kitchen**
Volume	2.0 x 2.0 x 2.0 8m³	2.8 x 2.8 x 2.8 22m³
Number of Air Changes Required	6	10
Performance	8 x 6 48m³/h	22 x 10 220m³/h
Fan Required	XF100T 85m³/h	WF150A 220m³/h

Minimum Air Changes Required Per Hour

Cafés	10	Meeting Rooms	4
Canteens	8	Offices	6
Cellars	3	Restaurants & Bars	6
Changing Rooms with Showers	15	School Rooms	2
Conference Rooms	8	Shops	8
Garages	6	Sports Facilities	6
Hairdressing Salons	10	Store Room	3
Halls & Landings	3	Toilets - Public	10
Hospital Rooms	4	Utility Rooms	15
Kitchen - Domestic	10	Workshops	6
Laundries & Launderettes	10		

Stale air is also removed by installing the appropriate Manrose fan. In certain circumstances, such as toilets, a timer is incorporated to provide an automatic run-on period of 15 minutes as stipulated in The Building Regulations

All Manrose fans are fully compliant with ErP 2016 requirements

Types of model

- Standard. 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, 1 ALBION CLOSE, SLOUGH, BERKSHIRE SL2 5DT

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 unhesitatingly offer a 3 year 'no quibble' guarantee. 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 there from.

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

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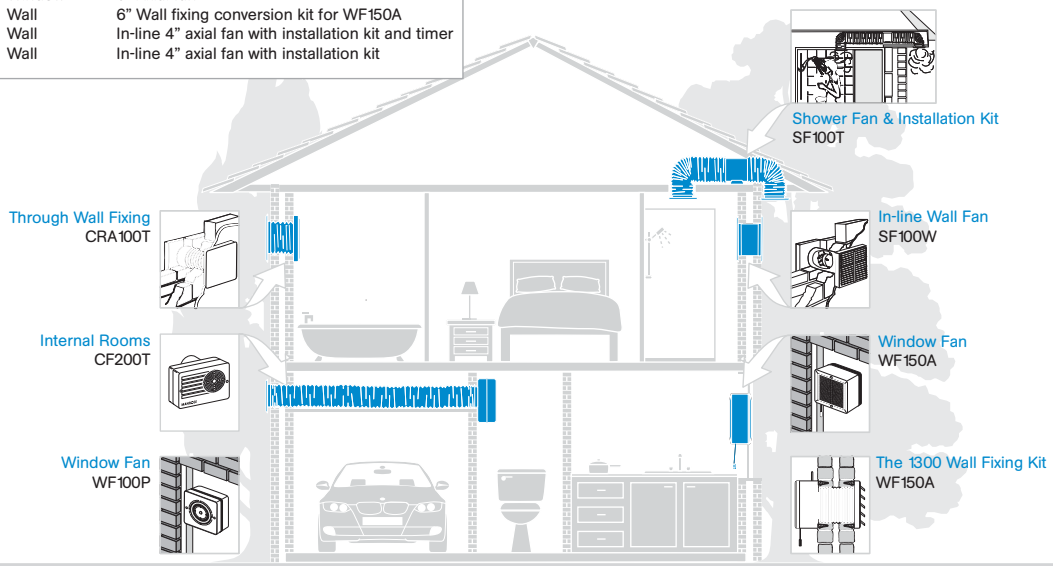
PRODUCTS ARE AVAILABLE UNTIL FURTHER NOTICE

Manrose Fans Around The Home

Fan Selector Guide

All fans comply with the relevant Building Regulations on Ventilation F1

Room	Model	Location	Detail
Bathroom	CRA100T	Wall/ceiling	Continuous running axial fan with timer
Internal	CF200T	Wall/ceiling	4" Centrifugal fan with timer
Kitchen	WF150A	Window	6" Axial fan
	1300	Wall	6" Wall fixing conversion kit for WF150A
Shower Rm	SF100T	Wall	In-line 4" axial fan with installation kit and timer
	SF100W	Wall	In-line 4" axial fan with installation kit



*the room suggestions are intended as a guide only to the most common locations for fans in the range

MANROSE®

Retail

- The latest clear PVC packaging for Manrose fans and kits is stylish and practical, whilst retaining its durability.
- The design is eye catching and sets the product off to its best advantage, a priority for the fast growing retail electrical DIY market.
- Displayed on Euro-slots, self-stacking or free standing, the packs are clearly identified for customer awareness and are available in popular 100mm (4"), 120mm (5"), 150mm (6") and 230mm (9") diameters. Packed in outers of 5, the packs are security sealed and carry clear instructions for simple installation.
- All our Flat Channel Ducting accessories are packed in poly bags with a euro slot style header. These fit easily onto retail stands and featuring the Manrose header card layout and colouring, clearly displaying the product information leading to greater customer product awareness.

PVC Packaging - Presentation is Everything

New Products

Quiet Fan Conceal

The Manrose Quiet Fan Conceal offers the same low sound level as our trusted Quiet Fan of only 27dBA, but is now also available with a tile like front cover. The unit also comes complete with a performance enhancing turning vane system located in the spigot to improve performance by maintaining a high output.

See pages 14-15

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.

See page 100-101

Silent Fan Conceal

The 2 speed Manrose Silent Fan Conceal offers a low sound level of only 16dB(A) and comes with a tile like front cover.

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

See pages 16-17

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 new 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 new range comply.

The table below shows the maximum specific fan powers allowed to comply with the new building regulations.

Effective from 6th April 2014

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. 0.5 for intermittent extract ventilation systems

ii. 0.7 for continuous extract ventilation systems

iii. 1.5 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 70%

3.0 Controls

a. Intermittent Mechanical extract ventilation systems should be operated by local manual switches or automatically by a presence sensor

b. All other mechanical ventilation systems should have manual or automatic control of the boost facility

Installed Performance – It needs to comply

In the new regulations there is now a requirement for the installation to be signed off by a competent person. This will include airflow measurements. The new Green range from Manrose 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:

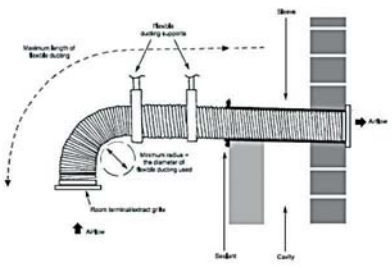
Installation Introduction

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. 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, connecting to rigid ductwork as soon as possible.

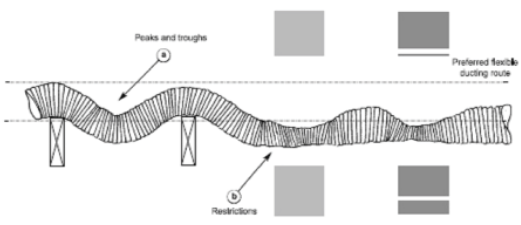
You are limited to a maximum of 1.5m of flexible ductwork when connecting to axial fans; for centrifugal fans you are limited to 6 metres (for extract rates of 6 to 30 l/s) and 3 meters (for extract rates of 31 to 60 l/s). You are able to incorporate up to 2 bends in a system up to 30l/s, this then reduces to 1 bend for higher extract rates.

Flexible ducting should be pulled taught 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.

✓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” Lo-Watt™ Range

The Lo-Watt range of wall fans can dramatically reduce power consumptions by using a DC motor which uses less energy compared to a normal fan.

Cat No.	Product Type
LW100S	Lo Watt Standard fan
LW100T	Lo Watt Timer Fan incorporating a 1-20 mins over run
LW100H	Lo Watt Humidity & Timer Fan incorporating a 1-20 mins over run and adjustable humidistat 20-90% RH

Safety Extra Low Voltage (SELV) includes fan and transformer

SELVLW100S	Lo Watt standard fan
SELVLW100T	Lo Watt Timer Fan incorporating a 1-20 mins over run
SELVLW100H	Lo Watt Humidity & Timer Fan incorporating a a 1-20 mins over run and adjustable humidistat 20-90% RH

SFP Down To 0.29

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	21.5	6.2

4” Axial Fan Range

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.

SFP Down To 0.42

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

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
LXF150BS	Standard model for remote switching
LXF150BP	As above supplied with pullcord switch
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.

SFP Down To 0.28

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.	Product Type
LSF100T	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.
LSF150T	150mm Timer model incorporating integral adjustable electronic timer (1-20 mins). Also comes with 3m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.

SFP Down To
0.43 4" (100mm)
0.31 6" (150mm)

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
6" (150mm)	50	2400	40	40	63	20.2

Showerlite Fan Range

The Manrose Showerlite is a distinctive Showerlite which is incorporated into a circular diffuser, suitable for showers and bathrooms. The Showerlite can be used within the splash area of the shower or bath and is powered by a S.E.L.V. remote safety isolating transformer.

Cat No.	Product Type
LSLKTC	100mm Showerlite fan kit, complete with a adjustable over run timer (1-20mins) with chrome/white fitting showerlite and 12 volt transformer. Also comes with 1.5m PVC ducting, butterfly clips, cable ties, screw plugs as well as both internal and external grilles.
LSL150TC	150mm Showerlite fan kit, complete with a adjustable over run timer (1-20mins) with chrome/white fitting showerlite and 12volt transformer. Also comes with 3m PVC ducting, butterfly clips, cable ties ,screw plugs as well as both internal and external grilles.

SFP Down To
0.43 4" (100mm)
0.31 6" (150mm)

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
6" (150mm)	50	2400	40	40	63	20.2

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.	Product Type
MF100S	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 (m^3/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.

SFP Down To 0.31

Cat No.	Product Type
CRCHTP - Mains voltage fan CRCHTPLV - SELV 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. 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.

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 it can be set to extract up to 444m³/hr and is one of the most efficient central extract units in the UK, helping to reduce your carbon footprint substantially. Listed in SAP Appendix Q.

SFP Down To 0.18

Cat No.	Product Type
MANI2000	Whole-house Central Extract System

Additional Information

Exhaust Terminal Configuration	Specific Fan Power W/l/s	Total Flow Rate l/s
Kitchen + 1 additional wet room	0.16	21
Kitchen + 2 additional wet room	0.15	29
Kitchen + 3 additional wet room	0.17	37
Kitchen + 4 additional wet room	0.20	45
Kitchen + 5 additional wet room	0.24	53
Kitchen + 6 additional wet room	0.28	61

Lo-Watt Whole House Heat Recovery System

As the current climate pushes for further ways of saving energy, the Whole-House Heat Recovery System provides a powerful extraction whilst maintaining a 91% heat recovery rate. The intake & extract unit also comes complete with washable EU3 filters. Listed in SAP Appendix Q.

SFP Down To 0.61

Cat No.	Product Type
MANHR4500DC	Lo-Watt DC Whole-House Heat Recovery System
LHMANHR4500DC	As above, Left Handed Version

Exhaust Terminal Configration	Specific Fan Power W/l/s	Heat Recovery Efficiency %:
Kitchen + 1 additional wet room	0.61	91
Kitchen + 2 additional wet room	0.65	90
Kitchen + 3 additional wet room	0.76	89
Kitchen + 4 additional wet room	0.94	88
Kitchen + 5 additional wet room	1.11	87

Other Part L products may be available - please ask

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.

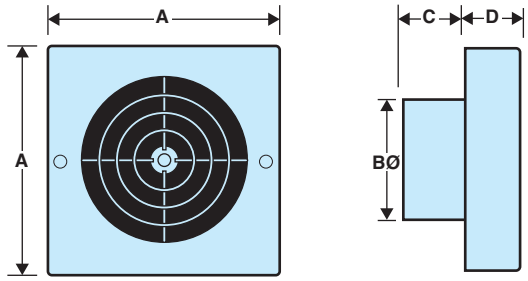
- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Manufactured using high gloss ABS thermoplastics for strength and durability
- Decibel Level of ONLY 27dB(A) at 3m. Over 60% reduction in comparison to standard 4" (100mm) domestic fans.
- An impressive extraction rate of 75m^3/hr, 21 litres per second
- Low energy motor with a maximum consumption of 7 Watts
- Low SFP of just 0.33W/l/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 adjustable timer (1 -20mins)

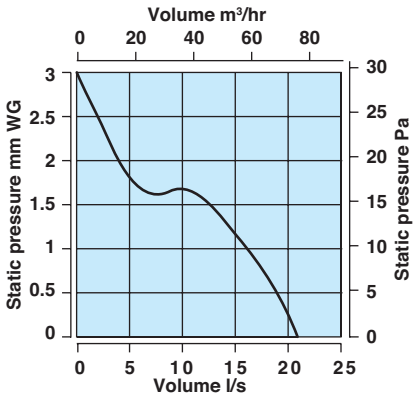
Dimensions (mm)

A	BØ	C	D
163	98	83	28



Performance Graph

QF100 75m³/hr, 21 litres per second



Packaging

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

Electrical

220-240V - AC. 50Hz 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

Maximum Pressure: 23 p.a.

Fan Speed: 2300 r.p.m.

Sound Volume: 27 dB(A)

Maximum Operating Temperature: 40°C

NEW

Quiet Fan Conceal Range
Domestic Range

CQF100

The new Manrose Quiet Fan Conceal offers the same low sound level of only 27dBA, but is now also available with a tile like front cover.

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.

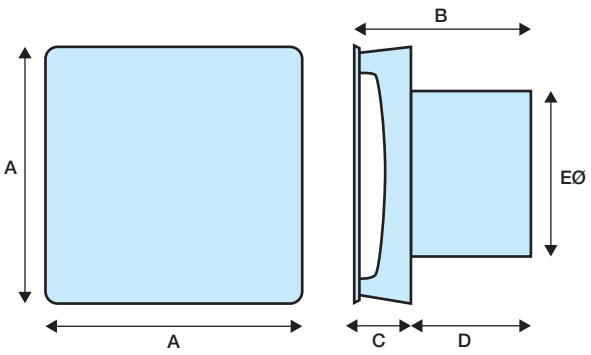
- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Manufactured using high gloss thermoplastics for strength and durability
- Decibel Level of ONLY 27dB(A) at 3m. Over 60% reduction in comparison to standard 4" (100mm) domestic fans.
- An impressive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

Technical Details

Cat. No.	Product type
CQF100S	Standard Model For Remote Switching
CQF100T	Timer model incorporating integral adjustable electronic timer (1-20mins)

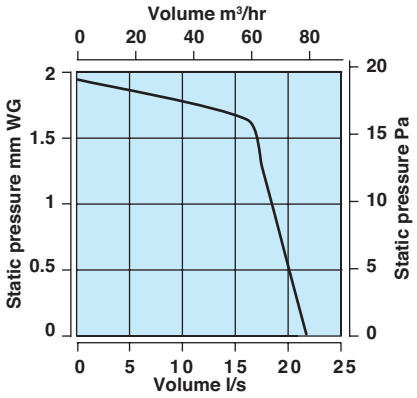
Dimensions (mm)

A	B	C	D	EØ
159	121	41	80	99



Performance Graph

CQF100 75m³/hr, 21 litres per second



Electrical

220-240V - AC. 50Hz 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

Maximum Pressure: 20 p.a.

Fan Speed: 2300 r.p.m.

Sound Volume: 27 dB(A)

Maximum Operating Temperature: 40°C

NEW

Silent Fan Conceal Range
Domestic Range

CSF100

The new Manrose Silent Fan Conceal offers a low sound level of only 16dB(A), and also comes with a tile like front cover.

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.

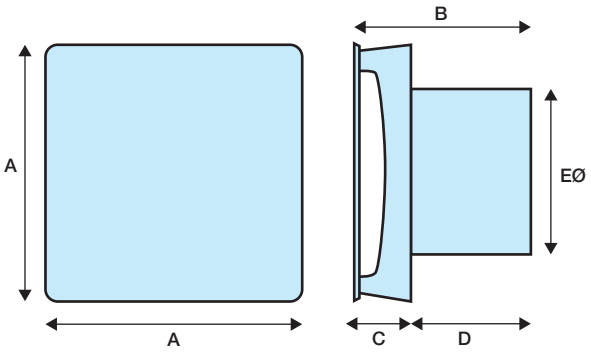
- Select from 2 speeds - 15 l/s or 21 l/s
- High quality, long life motors continuously rated and warranted for a minimum of 30,000 hours or 3 years
- Decibel Level of ONLY 16dB(A) at 3m
- An impressive extraction rate of 75m^3/hr, 21 litres per second on high speed
- Low energy motor with a maximum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

Technical Details

Cat. No.	Product type
CSF100S	Silent Conceal 100 Standard
CSF100T	Silent Conceal 100 Timer

Dimensions (mm)

A	B	C	D	EØ
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 - AC. 50Hz 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

Maximum Pressure: 20 p.a.

Fan Speed: 2300 r.p.m.

Sound Volume: 16 / 29 dB(A)

Maximum Operating Temperature: 40°C

Gold Range
Domestic Range

MG100/MG120/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.

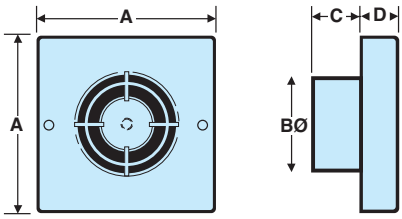
- 5 year no quibble guarantee.
- Longer lasting ball bearing motor.
- Available in 3 sizes, 100mm (4"), 120mm (5") and 150mm (6").
- Suitable for wall or ceiling mounting.
- Complies with the building regulations.
- Manufactured using high gloss ABS thermoplastics for strength, durable and easy cleaning.
- 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.	Product type
MG100S/MG120S/MG150BS	Standard model for remote switching
MG100P/MG120P/MG150BP	As above supplied with pullcord switch
MG100A/MG120A/MG150ABS	Standard Automatic model for remote switching
MG100AP/MG120AP/MG150ABP	As above supplied with pullcord switch
MG100T/MG120T/MG150BT	Timer model incorporating integral adjustable electronic timer (1-20 mins)
MG100TP/MG120TP/MG150BTP	As above supplied with pullcord switch
MG100AT/MG120AT/MG150ABT	Automatic model incorporating integral adjustable electronic timer (1-20 mins)
MG100ATP/MG120ATP/ MG150ABTP	As above supplied with pullcord switch
MG100H/MG120H/MG150BH	Humidity Control which is adjustable between 40%RH and 95%RH complete with integral adjustable electronic timer (1-20 mins)
MG100HP/MG120HP/MG150BHP	As above supplied with pullcord override switch. Requires no switch live
MG100AH/MG120AH/MG150ABH	Automatic model with Humidity control which is adjustable between 40%RH and 95%RH complete with integral adjustable electronic timer (1-20 mins)
MG100AHP/MG120AHP/ MG150ABHP	As above supplied with pullcord switch
MG100PIR/MG120PIR/ 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/MG120APIR/ MG150ABPIR	Automatic model as above

Dimensions (mm)

PRODUCT	A	BØ	C	D
MG100	163	98	45	30
MG120	182	118	46	32
MG150B	203	150	45	50
MG100A	163	98	55	53
MG120A	182	118	53	59
MG150AB	203	150	43	72



Packaging

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

Electrical

220-240V - AC. 50Hz ⊡. Single phase consuming 12 Watts on the 100/120 series and 25 Watts on the 150AB 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
Maximum pressure: 20 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40ºC

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

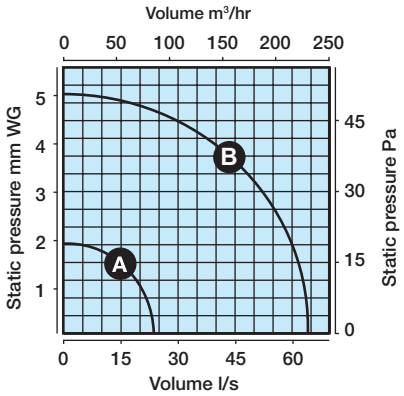
150mm (6") Range
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40ºC

Performance Graphs

(A) MG100 Series 85m³/hr, 23 litres per second

(B) MG120 Series 130m³/hr, 36 litres per second

(C) MGA150 Series 230m³/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.

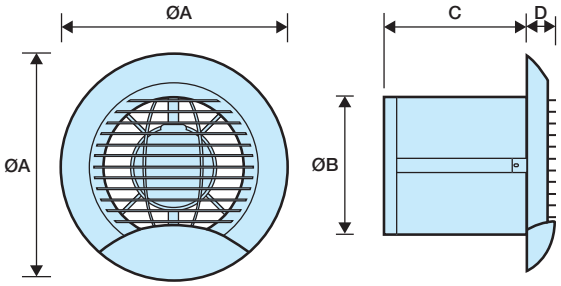
- Provides required performance of 54m³/h (15l/s) - bathrooms and 216m³/h (60l/s) - kitchens to comply with Building Regulations (Document F).
- Panel or wall mounting.
- Model options include pullcord or timer control.
- Integral backdraught shutter.

Technical Details

Cat. No.	Product type
HAYLO100S	Single speed 100mm bathroom/toilet fan with backdraught shutter.
HAYLO100P	Single speed 100mm bathroom/toilet fan with pull cord and backdraught shutter.
HAYLO100T	Single speed 100mm bathroom/toilet fan with integral adjustable overrun timer - up to 30 mins and backdraught shutter.
HAYLO150S	Single speed 150mm kitchen fan with backdraught shutter.
HAYLO150P	Single speed 150mm bathroom/toilet fan with pull cord and backdraught shutter.

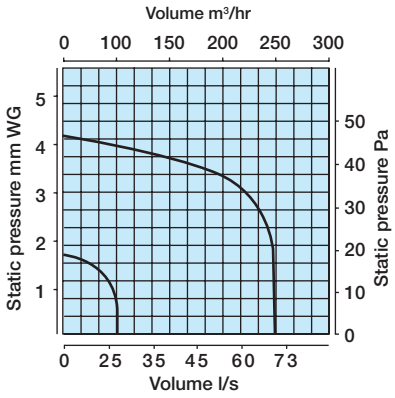
Dimensions (mm)

PRODUCT	ØA	ØB	C	D
HAYLO100S	157	98	107	19
HAYLO100P	157	98	107	19
HAYLO100T	157	98	107	19
HAYLO150S	201	144	123	19
HAYLO150P	201	144	123	19



Performance Graph

Haylo100 - 95m³/hr 26l/s
Haylo150 - 258m³/hr 71l/s



Packaging

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

Electrical

220-240V - AC. 50Hz ⊡ . 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
Maximum pressure: 20 p.a.
Sound volume: 34.0 dB(A)
Maximum operating temperature: 40°C

150mm (6") Range
Maximum pressure: 50 p.a.
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.

- Provides required performance of 54m³/h (15l/s)- bathrooms and 216m³/h (60l/s) - kitchens to comply with the Building Regulations (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

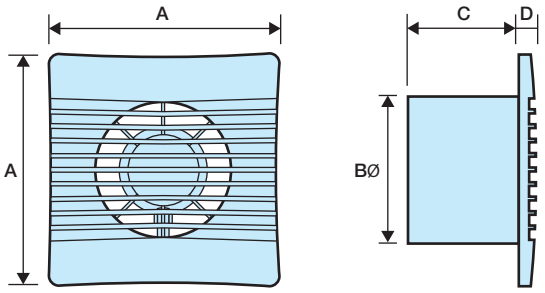
Kitchen & Utility Room Fans

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

FLAT150T Timer version

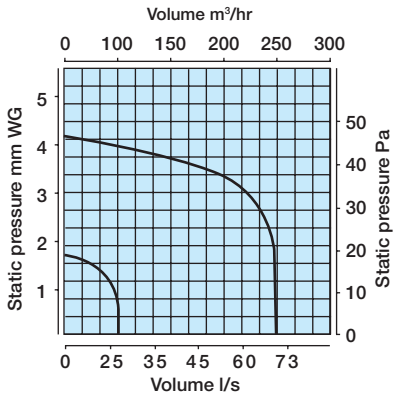
Dimensions (mm)

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



Performance Graph

Flat100 - 95m³/hr 26l/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 - AC. 50Hz . 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
Maximum pressure: 20 p.a.
Sound volume: 38.0 dB(A)
Maximum operating temperature: 40ºC

150mm (6") Range
Maximum pressure: 50 p.a.
Sound volume: 45.0 dB(A)
Maximum operating temperature: 40ºC

Continuum Axial Fan
Domestic Range

CONTINUUM AXIAL FAN

100mm continuous running panel axial fan for bathrooms and kitchens. Discreet styling with flat facia reducing the impact the fan has on interior design. Suitable for wall or panel 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 System 3 of Building Regulations Approved Document F.
This attractive fan is also very energy efficient running at just 3.5W on trickle speed.

- Provides required performance to fulfill building regulations for continuous operation. Trickle speed 8 l/s, Boost speed 15l/s.
- Panel or Wall mounting.
- Timer control model.
- Very quiet continuous speed - only 15 dBA 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

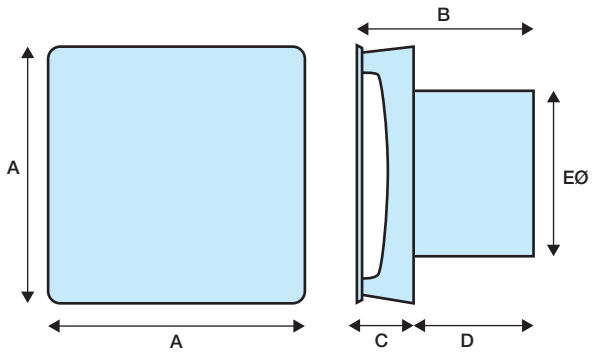
Cat. No. Product type

Bathroom & toilet Fans

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

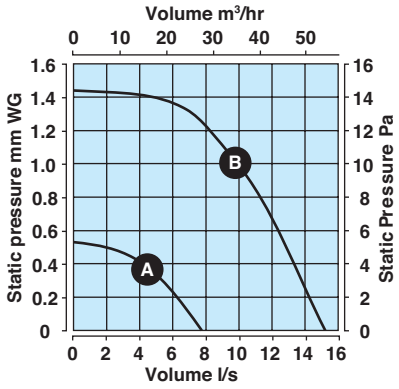
Dimensions (mm)

PRODUCT	A	B	C	D	EØ
CRA100T	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^3/hr or 23 litres per second.
- 230m^3/hr or 64 litres per second - 150mm (6").

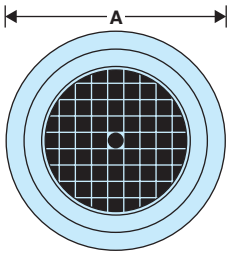
Technical Details

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

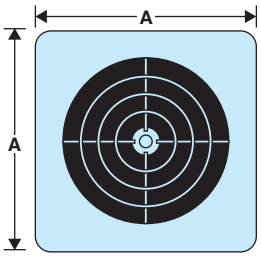
Dimensions (mm)

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

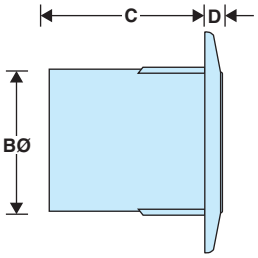
LP100/150C Series



LP100/150S Series

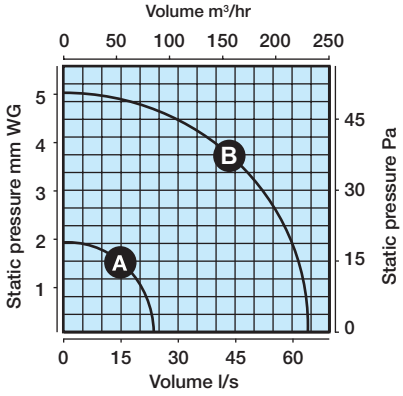


LP100/150 Series



Performance Graph

(A) LP100 Series 85m³/hr, 23 litres per second
(B) LP150 Series 230m³/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 - AC. 50Hz ⧈. Single phase consuming 15 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
Maximum pressure: 20 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40ºC

150mm (6") Range
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40ºC

Rtdeco Range
Domestic Range

RTDECO100/RTDECO150

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

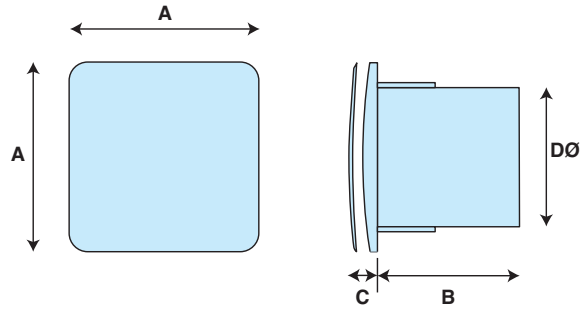
- Unique square tile design.
- Long life motor.
- Easy to install and maintain.
- Designed for Wall mounting. Design to comply with the Building regulations on ventilation (F1).
- Quiet and efficient, the Rtdeco fans have extraction rates of 75m^3/hr 100mm (4”).
- 150mm (6") models have a performance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

Technical Details

Cat. No.	Product type
DECO100SW	Standard Fan
DECO100SC	As Above With Brushed Aluminium Front Cover
DECO100TW	With Integral Timer
DECO100TC	As Above With Brushed Aluminium Front Cover
DECO100HW	Humidity Fan With Integral Timer
DECO100HC	As Above With Brushed Aluminium Front Cover
DECO150SW	Standard Fan
DECO150SC	As Above With Brushed Aluminium Front Cover
DECO150TW	With Integral Timer
DECO150TC	As Above With Brushed Aluminium Front Cover
DECO150HW	Humidity Fan With Integral timer
DECO150HC	As Above With Brushed Aluminium Front Cover

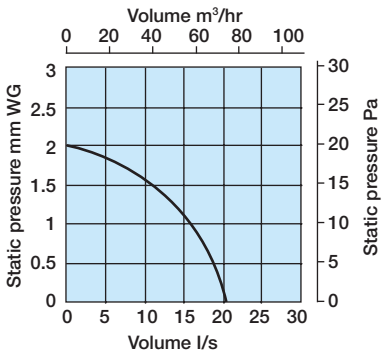
Dimensions (mm)

Product	A	B	C	DØ
Rtdeco100	140	115	35	98
Rtdeco150	199	102	37	148



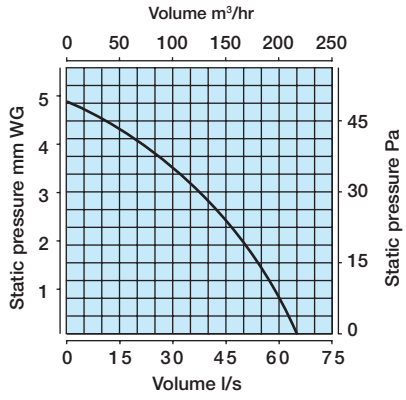
Performance Graph

Rtdeco100 Range 75m³/hr, 20 litres per second



Performance Graph

Rtdeco150 Range 220m³/hr, 62 litres per second



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 - AC. 50Hz ⊡. Single phase consuming 15 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
Maximum pressure: 20 p.a
Fan speed: 2400 r.p.m
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40°C

150mm (6") Range
Maximum pressure: 50 p.a
Fan speed: 2400 r.p.m
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40°C

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^3/hr, 23 litres per second, and is available in the eleven options detailed opposite.
- 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

XF100S	Standard model for remote switching
XF100P	As above supplied with pullcord switch
XF100T	Timer model incorporating integral adjustable electronic timer (1-20 mins)
XF100TSS	As above with shallow spigot
XF100TP	As above but with pullcord override switch. Requires no switched live
XF100H	Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins)
XF100HP	As above but with pullcord override switch. Requires no switched live
XF100PIR	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

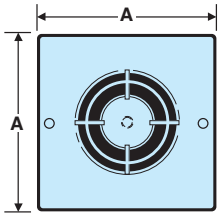
100mm (4") Window Fans

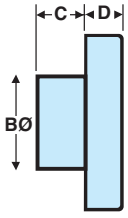
WF100P	Pullcord model
WF100T	Timer model incorporating integral adjustable timer (adjustable 1-20 mins) Complete with pullcord switch
WF100H	Humidity control which is adjustable between 40% RH and 95% Complete with integral adjustable timer (1-20 mins)
WF100PIR	PIR activated model which switches on as 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)

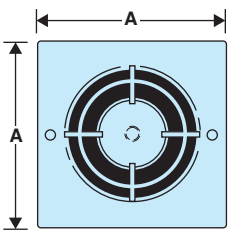
PRODUCT	A	B	C	D
XF100	163	98Ø	45	30
WF100	163	60	30	
XF100TSS	163	98	10	

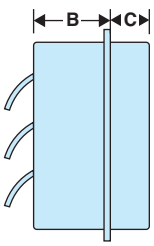
XF100 Series





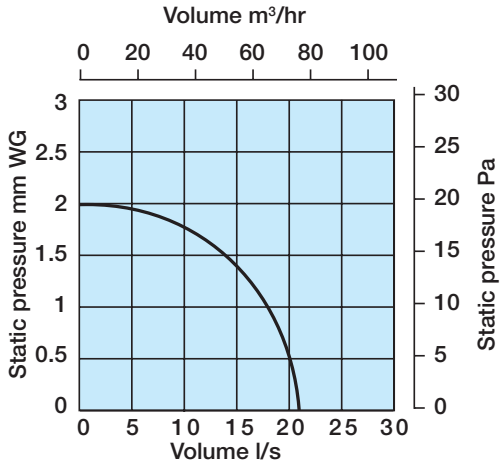
WF100 Series





Performance Graph

XF/WF100 Series 85m³/hr, 23 l/s



Packaging

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

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

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 - AC. 50Hz ⧈. Single phase consuming 15 Watts. These fans are double insulated and do not require an earth. All wiring must comply with current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in all poles, must be used with a 3 amp fuse fitted. The fan 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
Maximum pressure: 20 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40ºC.

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^3/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

100mm (4") Wall/ceiling Fans

XF120S	Standard model for remote switching
XF120P	As above supplied with pullcord switch
XF120T	Timer model incorporating integral adjustable electronic timer (1-20 mins)
XF120TP	As above but with pullcord override switch. Requires no switched live
XF120H	Humidity control which is adjustable between 40% RH and 95% RH Complete with integral adjustable timer (1-20 mins)
XF120HP	As above but with pullcord override switch. Requires no switched live
XF120PIR	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

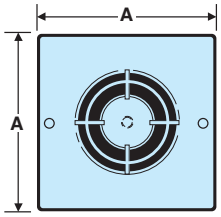
100mm (4") WINDOW FANS

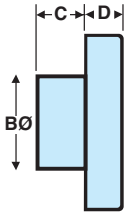
WF120P	Pullcord model
WF120T	Timer model incorporating integral adjustable timer (adjustable 1-20 mins) Complete with pullcord switch
WF120H	Humidity control which is adjustable between 40% RH and 95% Complete with integral adjustable timer (1-20 mins)
WF120PIR	PIR activated model which switches on as 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)

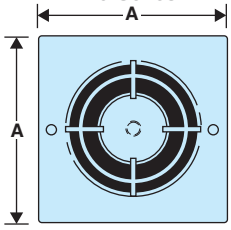
PRODUCT	A	B	C	D
XF120	182	118Ø	46	32
WF120	182	60	32	

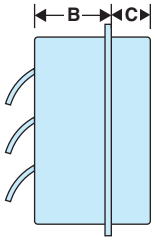
XF120 Series





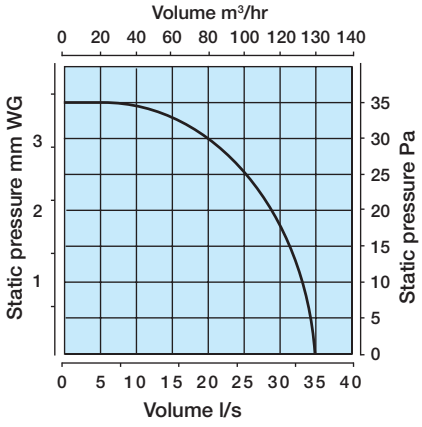
WF120 Series





Performance Graph

XF/WF120 Series 130m³/hr, 36 litres per second



Packaging

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

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

Installation

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

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

Electrical

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

Additional Data

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

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 are 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 230m³/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).

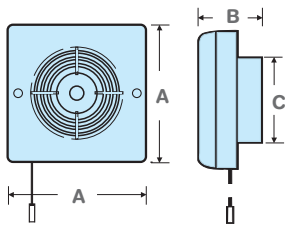
Technical Details

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

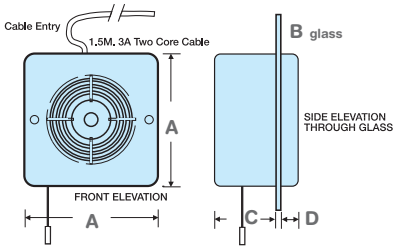
Dimensions (mm)

PRODUCT	A	B	C	D
XF150B	203	95	150Ø	
WF150B	203	4-10	95	23

XF150B Series

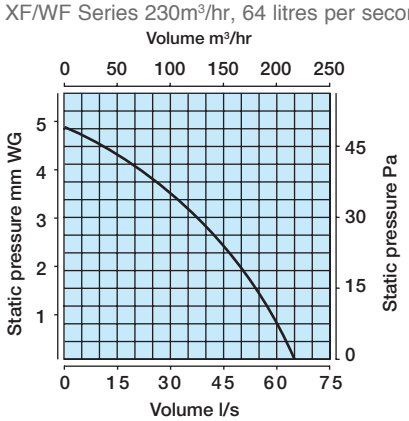


WF150B Series



Performance Graph

XF/WF Series 230m³/hr, 64 litres per second



Packaging

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

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

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 either a window or wall through a standard 170-184mm (63/4" - 71/4") hole. A wall fixing kit FK1 (1300) is available which comprises of wall plugs, screws and a 400mm length of 6" diameter aluminium flexible ducting (when fully extended).

Electrical

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 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
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40°C

Automatic Shutter Fan Range
Domestic Range

XF/WF100A/120A/150A

- Designed for wall, ceiling or window mounting, the Automatic extractor fan range is available in ten options, all incorporating 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 85m³/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 130m³/hr, 36 litres per second. The largest fan in this range, the 150mm (6"), has a maximum performance of 230m³/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).

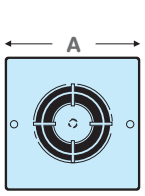
Technical Details

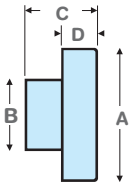
Cat. No.	Product type
XF100/120A/XFA150BS **WF100/120A/WFA150BS**	Standard model for remote switching
XF100/120AP/XFA150BP **WF100/120AP/WFA150BP**	As above supplied with pullcord switch
XF100/120AT/XFA150BT	Timer model incorporating integral adjustable electronic timer (1-20 mins)
XF100/120ATP/XFA150BTP **WF100/120ATP/WFA50BTP**	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)
XF100/120AHP/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)

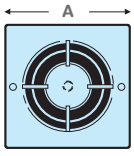
PRODUCT	A	B	C	D
XF100A	163	98Ø	108	53
XF120A	182	118Ø	112	59
XFA150B	203	150Ø	115	72
WF100A	163	115	53	
WF120A	182	119	59	
WFA150B	203	133	72	

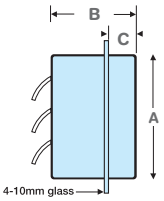
XF Series





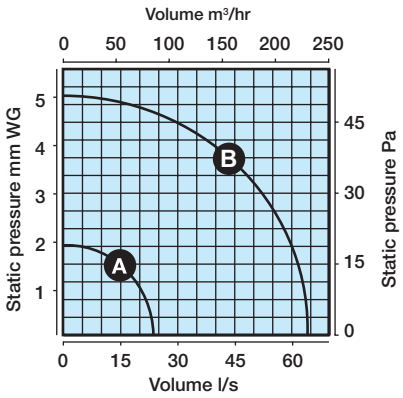
WF Series





Performance Graph

(A) XF/XP/WF100A Series 85m³/hr, 23 litres per second
(B) XF/XP/WF120A Series 130m³/hr, 36 litres per second
(C) XF/XP/WFA150B Series 230m³/hr, 64 litres per second



Packaging

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

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

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

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

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
Maximum pressure: 20 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40°C

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

150mm (6") Range
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40°C

Lo-Watt™ Range

80% energy saving

Domestic Range

LW100/SELVLW100

- The Lo-Watt fan is Designed for wall mounting only.
- Standard/timer/humidity versions available.
- Reduces power consumption.
- Uses up to 80% less energy compared to a standard fan.
- Lower running costs.
- SELV (Safety Extra Low Voltage) models also available.
- Quiet and efficient, the 100mm (4”) series has an impressive extract rate of 75m³/hr, 21 litres per second.
- The units are all manufactured using high ABS thermoplastics for strength and durability, aesthetics and easy cleaning.
- Designed to comply with the Building Regulations on Ventilation (F1).
- SFP (Specific Fan Power) 0.29

Building Regulations - Domestic

The Building Regulations introduced in 2010 – Domestic dwellings, gives the recommended Watts per litre per second (W/l/s) for each type of fan, to be used in new buildings.

Our range of Lo-Watt fans are specifically designed to meet the regulations.

Table 32: Minimum provisions for mechanical ventilation systems

	Standards for new and replacement systems information	Supplementary information
1.0 Fan power	a. Mechanical ventilation systems should be designed to minimise electric fan power. Specific fan power (SFP) should not be worse than: i. 0.5 W/l/s for intermittent extract ventilation systems; ii. 0. 7 W/l/s for continuous extract ventilation systems; iii. 0.5 W/l/s for continuous supply ventilation systems; iv. 1.5 W/l/s for continuous supply and extract with heat recovery ventilation systems.	

Technical Details

Cat. No.	Product type
LW100S	Lo Watt Standard Fan
LW100T	Lo Watt Timer Fan incorporating a 1-20min over run
LW100H	Lo Watt Humidity Timer Fan Incorporating a 1-20min over run and adjustable humidistat 20-90% RH

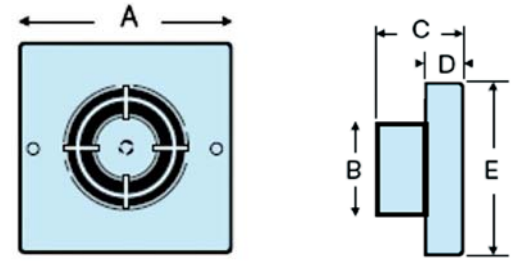
Safety Extra Low Voltage (SELV) includes fan and transformer

SELVLW100S	Lo Watt Standard Fan
SELVLW100T	Lo Watt Timer Fan incorporating a 1-20min over run
SELVLW100H	Lo Watt Humidity Timer Fan Incorporating a 1-20min over run and adjustable humidistat 20-90% RH

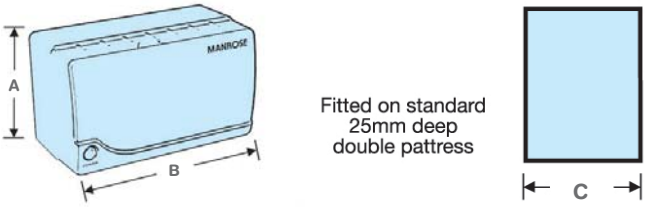
Dimensions (mm)

Product	A	B	C	D	E
LW100	163	Ø98	97	30	163
SELVLW	82	145	78		

Series LW100

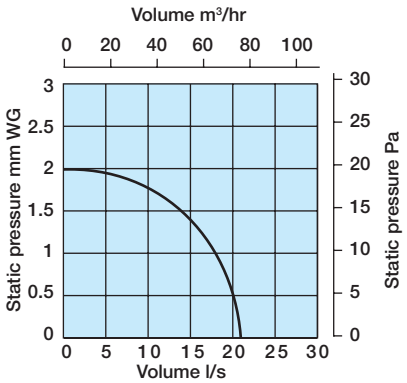


Transformer SELVLW 100



Performance Graph

LW100 75m³/hr at 21 litres per



Installation

LW100 Series designed for wall mounting only. Through 100mm (4") diameter flexible or rigid pipes.

Electrical

220-240 - AC. 50Hz Single phase consuming 4.3 Watts. The LW100 is powered by a brushless motor. 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 3amp fuse fitted. The fan must not be accessible to a person using either the shower or the bath (use SELV model) and mounted a minimum of 1.8metres from the floor.

Additional Data

Maximum pressure: 20 p.a
Fan speed: 3123 r.p.m
Sound volume: 38.0 dB(A)
Maximum operating temperature: 45°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") and in seven options.
- Suitable for mounting within the 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^3/hr 23 litres per second, the 120mm (5") 130m^3/hr 36 litres per second and the 150mm 230m^3/hr 64 litres per second.
- The CF200LV centrifugal fan has an extract rate of 110m^3/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).

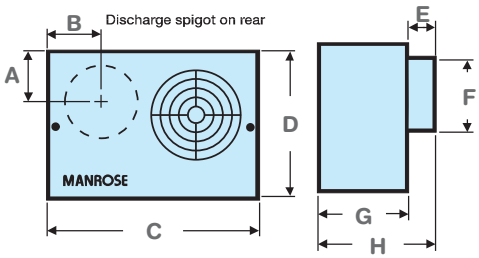
Technical Details

Cat. No.	Product type
XF100LV/XF100ALV	Wall or ceiling model/Automatic wall or ceiling model
XF100HTLVT	Low voltage wall/ceiling mounted fan, humidity and timer delay - transformer included
WF100LV/WF100ALV	Window model/Automatic window model
XF100HPLV	Low Voltage wall/ceiling mounted fan, with humidity and pull cord. Requires a T12S transformer.
XF100HLV	Low Voltage wall / ceiling mounted fan with humidity. Requires T12S transformer.
XF120LV/XF120ALV	Wall or ceiling model/Automatic wall or ceiling model
WF120LV/WF120ALV	Window model/Automatic window model
XF150BLV/XF150ALV*	Wall or ceiling model/Automatic wall or ceiling model
WF150BLV/WF150ALV*	Window model/Automatic window model*
CF200LV	Wall or ceiling model* *Use LT12 Transformer

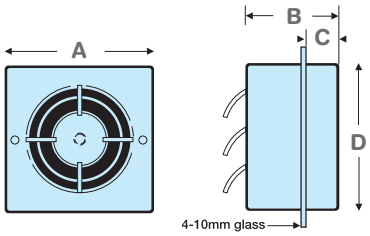
Dimensions (mm)

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			
WF100LV	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

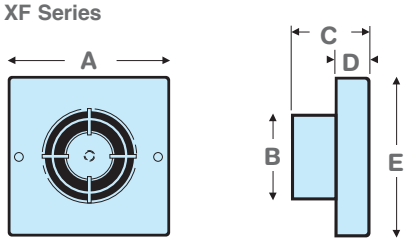
CF Series



WF Series

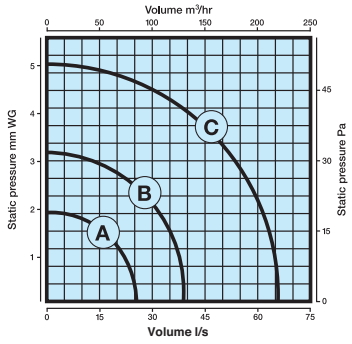


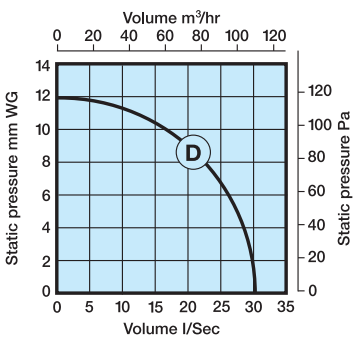
XF Series



Performance Graphs

(A) XF/WF100LV 85m³/hr, 23 litres per second
(B) XF/WF120LV 130m³/hr, 36 litres per second
(C) XF/WF150BLV 230m³/hr, 64 litres per second
(D) CF200LV 110m³/hr, 31 litres per second





Packaging

XF100LV/ALV In outers of 10 measuring 370mm x 200mm x 560mm - weight 7kgs

WF100LV/ALV In outers of 10 measuring 360mm x 210mm x 510mm - weight 9kgs

XF120LV/ALV In outers of 10 measuring 400mm x 215mm x 490mm - weight 8kgs

WF120LV/ALV In outers of 10 measuring 446mm x 225mm x 550mm - weight 10kgs

XF150BLV/ALV In outers of 10 measuring 595mm x 245mm x 450mm - weight 11kgs

WF150BLV/ALV In outers of 10 measuring 460mm x 640mm x 240mm - weight 17kgs

CF200LV In outers of 10 measuring 753mm x 283mm x 390mm - weight 12kgs

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.

MANROSE®

T12/LT12 Series remote Transformer
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.

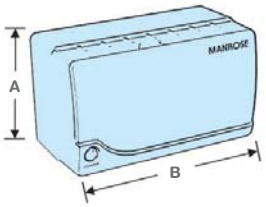
Technical Details

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

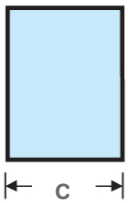
Dimensions (mm)

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

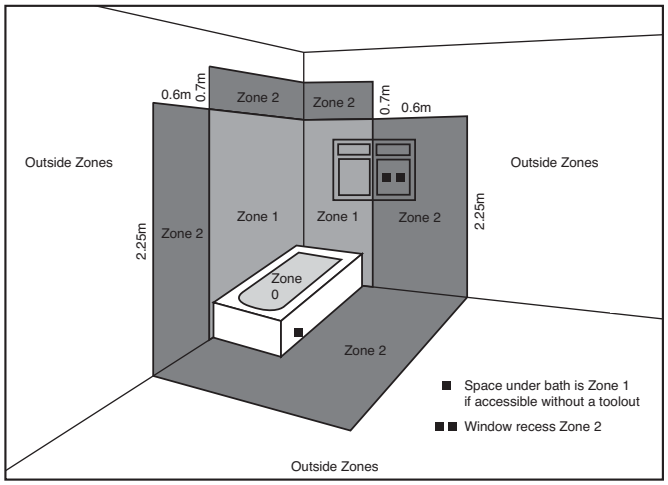


T12/LT12 Transformer

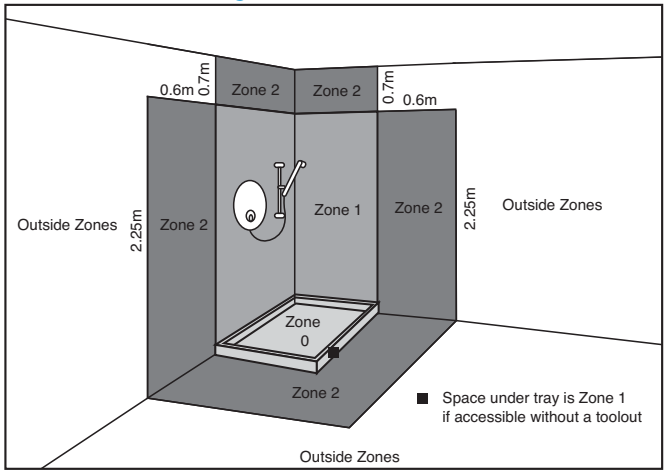
Fitted on standard 25mm deep double pattress



Bathroom Zone Diagram



Shower Zone Diagram



Packaging

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

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.

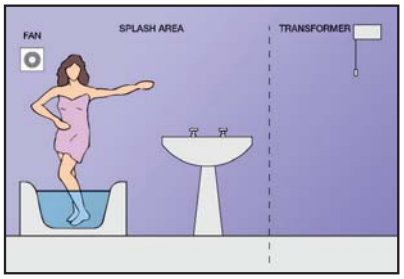
Transformer

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.



MANROSE®

Slimline Wall Fan Kit Range
Domestic Range

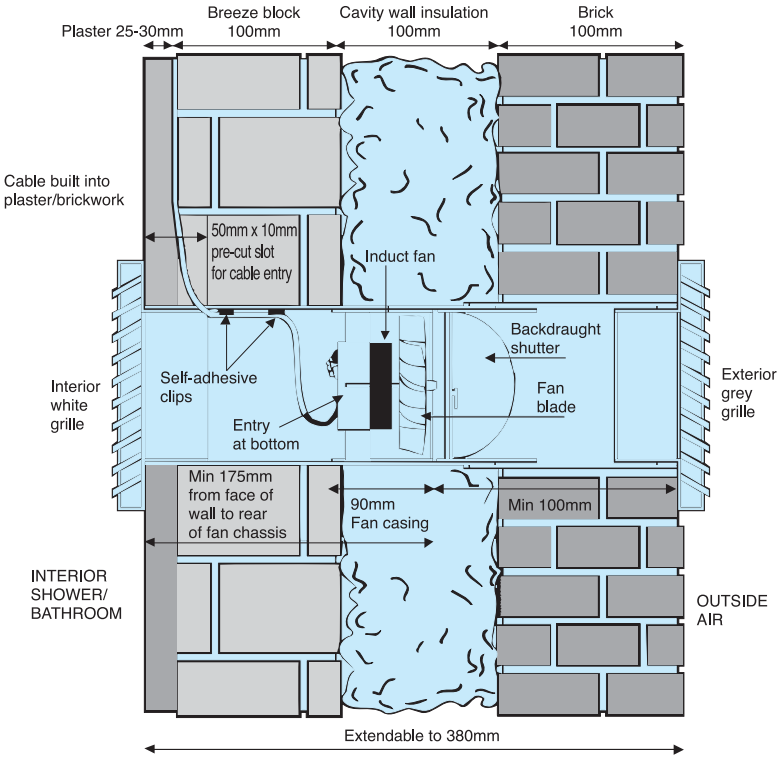
SF100W/120W/150W

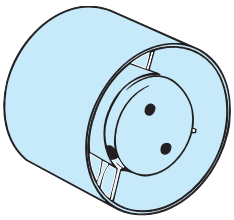
- Designed for use in bathrooms, toilets and shower rooms, the Slimline Wall Fan has a unique profile of only 15mm.
- Utilising a revolutionary design concept, the unit is mounted inside the wall, 175mm from the face of the internal wall which enables installation within the splash area of a shower or bath (where regulations prevent the installation of conventional fans).
- Unobtrusive and quiet, the SF100W has an extract rate of 85m^3/hr 23 litres per second, whilst the larger SF120W extracts 130m^3/hr 36 litres per second. The SF150W, the largest fan in the range, has a maximum performance of 230m /hr, 64 litres per second.
- The SF100W/120W/150W fan kits include an in-line tube fan with a mounted spring loaded backdraught shutter, a length of 380mm flexible aluminium telescopic ducting, one white internal and one grey external fixed louvre wall grille, self adhesive cable clips, fixing screws and plugs.
- Easy to follow instructions make installation simple.
- Designed to comply with the Building Regulations on Ventilation (F1).

Technical Details

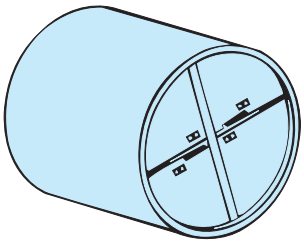
Cat. No.	Product type
SF100W	Standard 4" model for remote switching
SF120W	Standard 5" model for remote switching
SF150W	Standard 6" model for remote switching

Typical Installation





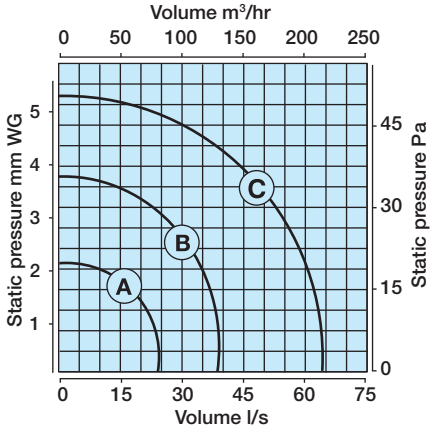
In-line fan



Backdraught shutter

Performance Graph

(A) SF100W 85m³/hr, 23 litres per second
(B) SF120W 130m³/hr, 36 litres per second
(C) SF150W 230m³/hr, 64 litres per second



Packaging

SF100W In outers of 10 measuring 605mm x 318mm x 745mm - weight 12kgs

SF120W In outers of 10 measuring 510mm x 234mm x 867mm - weight 13kgs

SF150W In outers of 10. For packaging dimensions, contact our technical department

Installation

Designed for mounting in-line in walls and discharged through the flexible aluminium ducting provided.

Electrical

220-240V - AC. 50Hz ⧈. Single phase consuming 16W on SF100W, 15.5W on SF120W and 25W on SF150W. 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

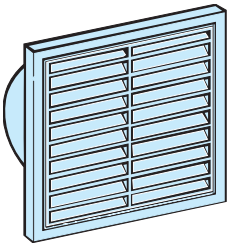
100mm (4") Range
Maximum pressure: 20 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40°C

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

150mm (6") Range
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40°C

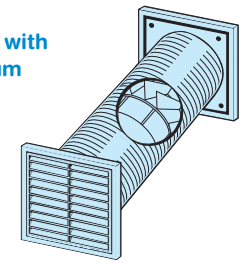
Dimensions (mm)

SF100W
SF120W
SF150W
See page v.
(ID100/120/150 series)



Fixed louvre wall grilles

SF100/120/150W with flexible aluminium ducting



MANROSE®

LED Showerlite Range
Domestic Range

LEDSLKTC/IWLEDSLKTC

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

- The Manrose LED Showerlite is a distinctive showerlight 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 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 PVC flexible ducting, external wall grille, fixing screws, plugs and straps.

Technical Details

Cat. No.Product type

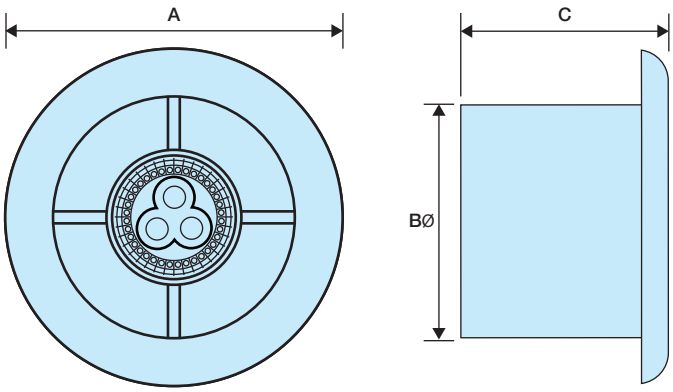
Boxed Cartons

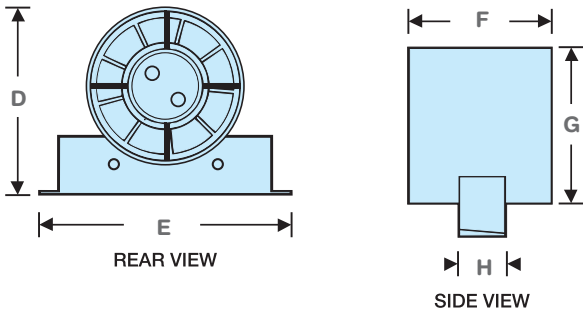
LEDSLKTC 100mm Showerlite fan kit, complete with turning vane, backdraught shutter and a adjustable over run timer (1-20mins) with chrome/white fitting showerlite and 12 volt LED Driver. Also comes with 1.5m PVC ducting, butterfly clips, cables ties, screw plugs as well as an external grille. Warm light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

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

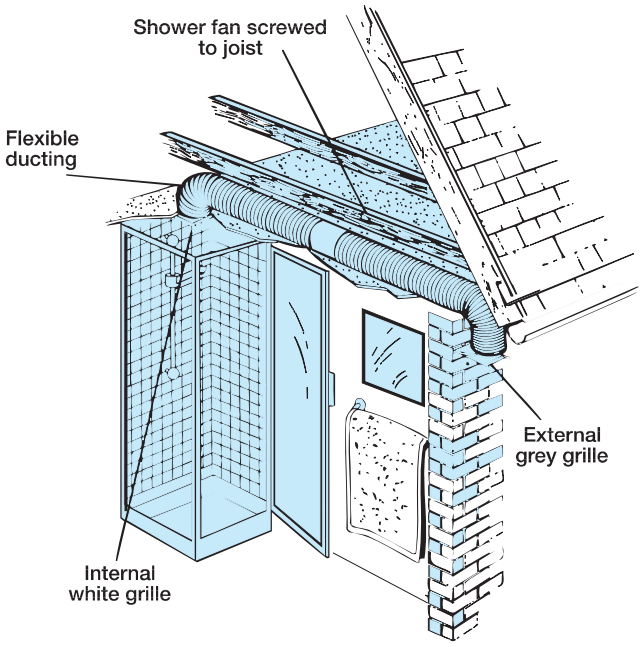
Dimensions (mm)

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 102mm (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)
Maximum pressure:	20 p.a.
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

Showerlite Range
Domestic Range

SL/SLK 100MM 120MM & 150MM

- The Manrose Showerlite is a distinctive Showerlite which is incorporated into a circular diffuser, suitable for showers and bathrooms. Now available in 100mm (4"), 120mm (5") and 150mm (6") versions.
- The Showerlite can be used within the splash area of the shower or bath and is powered by a SELV remote safety isolating transformer.
- The Showerlite is suitable for any 100mm (4"), 120mm (5") and 150mm (6") in-line system such as the Manrose SF/ID range of in-line axial fans or the CFD range of in-line centrifugal fans.
- Available in two colours white, and chrome, the Manrose Showerlite will enhance any shower or bathroom providing a rich warm glow of soft light.
- The Showerlite is available separately in boxed carton packaging or in blister packs with or without transformer. They are also available in a blister fan kit pack. Each pack is supplied complete with fan (available with or without timer), Showerlite unit, transformer, one length of PVC flexible ducting, external wall grille, fixing screws, plugs and straps.
- A centrifugal in-line fan kit is also available for longer ducting runs.

Technical Details

Cat. No. Product type

Boxed Cartons

SL-W	Showerlite white fitting
SL-C	Showerlite chrome fitting
T1250W	Transformer

Showerlite In-Line Axial Extractor Packs Blister Packaging

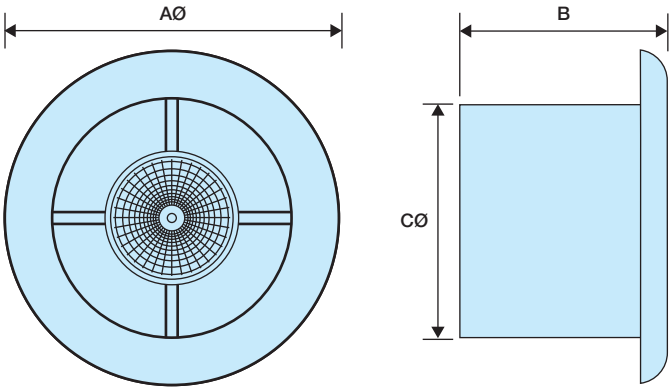
SLKSC	Showerlite fan kit, standard model chrome and white fitting
SLKTC	Showerlite fan kit, timer model chrome and white fitting
SL-120SC	Showerlite fan kit, standard model chrome and white fitting
SL-120TC	Showerlite fan kit, timer model chrome and white fitting
SL-150SC	Showerlite fan kit, standard model chrome and white fitting
SL-150TC	Showerlite fan kit, timer model chrome and white fitting

Centrifugal Packs Boxed Packaging

SLCFDSC	Showerlite centrifugal fan kit, standard model chrome and white fitting
SLCFDTC	Showerlite centrifugal fan kit, timer model chrome and white fitting
LEDSLCFDTC	As above with a 3W Warm LED lamp and uses 90% less power than a standard dichroic lamp.

Dimensions (mm)

PRODUCT	AØ	B	CØ
SL-W/C	140	74	98
SL120	170	74	118
SL150	200	74	148



Packaging

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

Installation

Designed to be ceiling mounted through 102mm (4") diameter flexible ducting or rigid pipes.

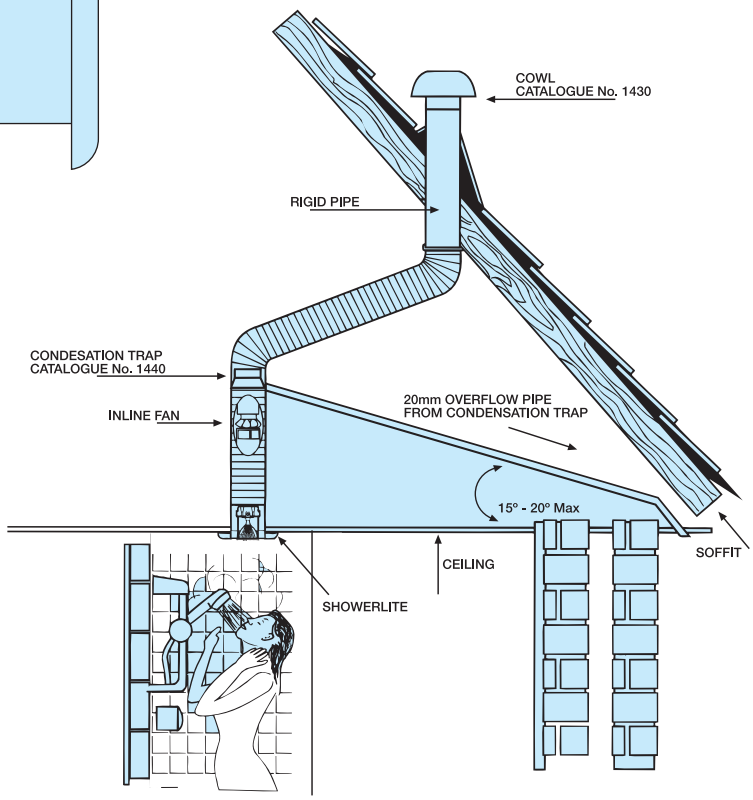
Electrical

12 volt 35W dichroic 5.3 sealed lamp. Powered by a transformer T1250W. Input, AC. Output, 12 volt AC. 50 VA.

Construction

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

Typical Installation



CFD200/220 In-line Centrifugal Fan Range

Domestic Range

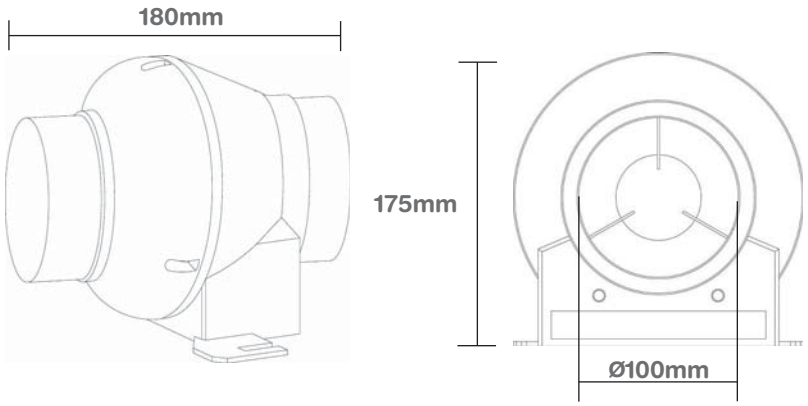
CFD200/220 SCF200 & SLCFD

- 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 backdraughts.
- Powerful, yet quiet and unobtrusive, the CFD200/220 units have extract rates of 110m^3/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

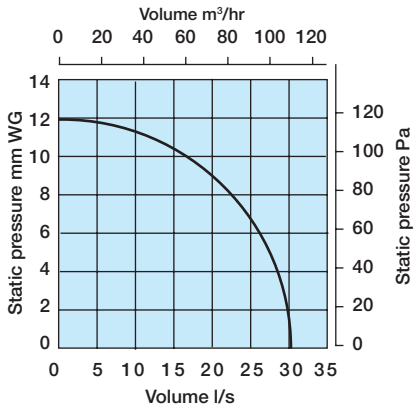
Cat. No.	Product type
CFD200	Standard model without bracket
CFD220	Standard model without bracket
CFD200S	Standard model with bracket
CFD220S	Standard model with bracket
CFD200T	Timer model with bracket
CFD220T	Timer model with bracket
SCF200S	Standard model in-line fan kit (100mmØ)
SCF200T	Timer model in-line fan kit (100mmØ)
SLCFDSC	Standard model in-line Showerlite fan kit (100mmØ) Chrome
SLCFDTC	Timer model in-line Showerlite fan kit (100mmØ) Chrome
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 Range 110m³/hr, 31 litres per second



Packaging

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

Electrical

220-240V - AC. 50Hz . 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
Maximum pressure 120p.a.
Fan speed: 1400 r.p.m.
Sound volume: 45.0dB(A)
Maximum operating temperature: 40ºC

IMPROVED PERFORMANCE

Professional Showerlite Fan Kit
Domestic Range

PROCFTSLKC/PROCFSLKC

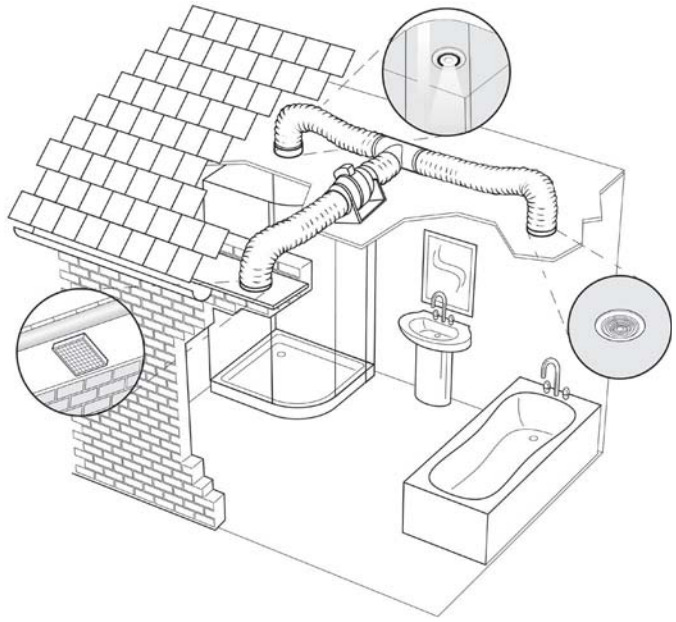
The complete Professional Showerlite fan kit is now quieter and more powerful than ever before. It includes everything you require to provide an effective and powerful way to extend the ventilation in your bathroom or any other area in your house. The first in-shower ventilation kit incorporates seven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

The kit includes:

1. A powerful high performance In-line mixed flow fan. This is capable of extracting 245m³/hr 68l/s, which exceeds the Building regulations. A bracket is also included for easy fan installation in the roof.
2. An attractive powerful 120mm/5" Showerlite with a built in extended reducer, to reduce to 100mm/4". The Showerlite fan has an attractive chrome finish and is 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.

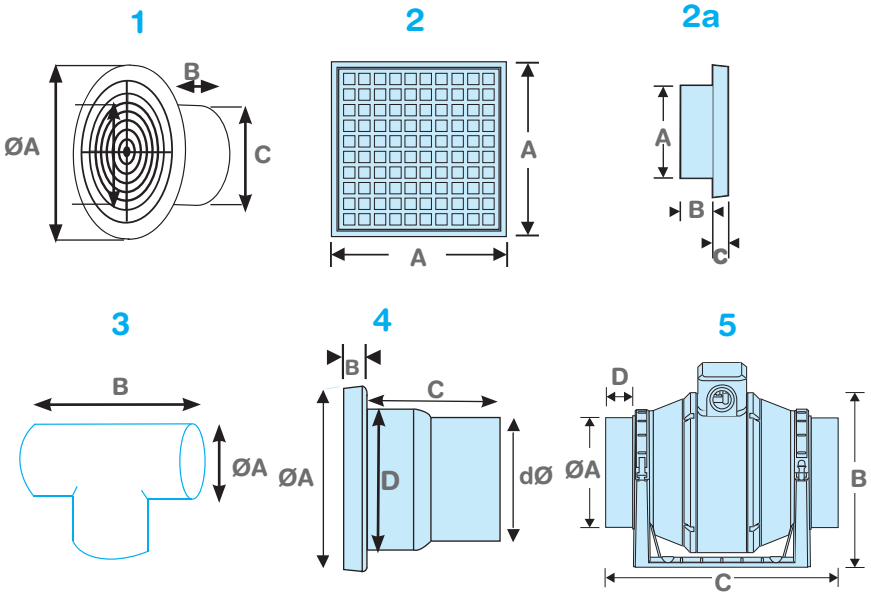
Technical Details

Cat. No.	Product type
PROCFSLKC	The Professional Showerlite kit is supplied complete with:
Standard Model	1. 1 x In-line MixFlo fan with mounting bracket 2. 1 x 120mm/5" Showerlite unit with chrome fitting & fixed reducer to 100mm/4" 3. 1 x Circular Internal White Grille 4. 10 metres of 100mm/4" PVC Flexible Ducting 5. 1 x Egg Crate External Wall Grille 6. 1 x PVC T-Piece Connector 7. 1 x Low Volt Transformer
PROCFTSLKC Timer Model	As above with built in Timer



Dimensions

PRODUCT	A	B	C	D	dØ
1	Ø135mm	74mm	120mm		
2	140mm				
2a	Ø98mm	33mm	15mm		
3	Ø98mm	250mm			
4	Ø165mm	10mm	117mm	120mm	98mm
5	102mm	195mm	298mm	30mm	



Packaging

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

Electrical

Showerlite Unit
12 volt 35W dichroic 5.3 sealed lamp. Powered by a transformer T1250W. Input, AC output, 12 volt AC. 50VA dimmable.

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

Electronic transformer for LV-Halogen lamps.
Input: 230V-50-60Hz
Output: 12V 20-60W

Installation

Showerlite Unit
Designed to fit through a 120mm/5" diameter hole with an incorporated reducer to fit 100/4" 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-auto resetting cut-out approved totally enclosed for protection against dirt and dust. Motors are continually rated.

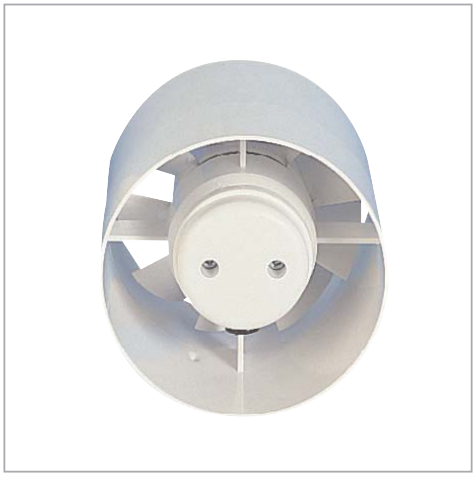
Additional Data

In-Line MixFlo Fan
Performance: 245m³/h 68lps
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 85m³/hr 23 litres per second, whilst the SF/ID120 performs with an impressive 130m³/hr 36 litres per second. Also new to the range is the ID150 Tube Fan, with a top performance of 230m³/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 85m³/hr, 23 litres per second

SF/ID120 up to 130m³/hr, 36 litres per second

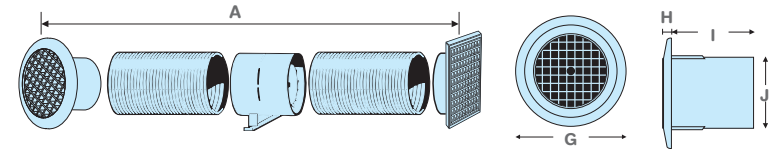
SF/ID150 up to 230m³/hr, 64 litres per second

Performance may vary depending on the length of ducting used

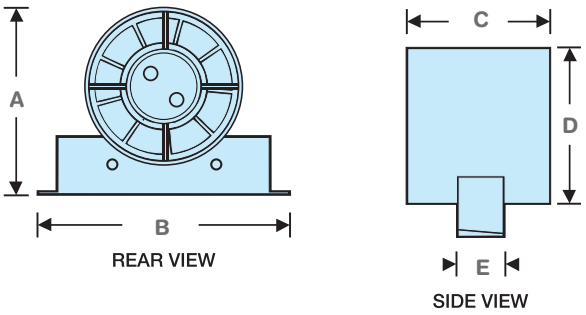
Dimensions (mm)

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

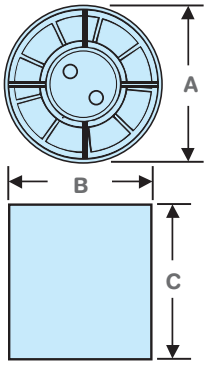
SF100/120/150 Circular and Square Grille

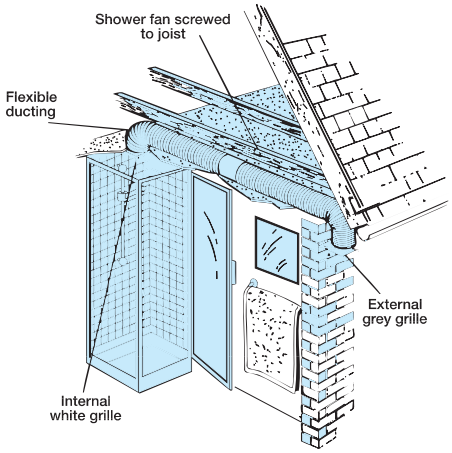


ID100S/120S/150S Series with Bracket



ID100/120/150 Series





Packaging

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

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

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 4kgs

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

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 6kgs

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

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 hole has been cut in the ceiling of the shower/room, all other work is continued outside the living area.

Electrical

220-240V - AC. 50Hz ⧈. Single phase consuming 15W 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
Maximum pressure: 20 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 41.0 dB(A)
Maximum operating temperature: 40ºC

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

150mm (6") Range
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40ºC

150mm (6") In-line Fan Kit Range
Domestic Range

SF150A/ID150A

- The SF150 series of shower fans have been designed for the safe ventilation of larger shower rooms and bathrooms, or any where there is a possibility of contact with water.
- Any risk of an electric shock is removed as the fan is mounted remotely.
- Quiet and unobtrusive, the SF150 has a powerful extract rate of up to 220m³/hr 62 litres per second, depending on the length of ducting used.
- The fans are available separately or as In-line fan kits, which are supplied complete with fixing screws, plugs and straps to secure the duct onto the grilles and the fan unit, whilst the PVC ducting supplied is one 5m length 152mmØ.
- Suitable for use in changing rooms with showers, restaurants, bars and meeting rooms, schools and sports facilities, the SF150 has easy to follow instructions to make installation simple.
- The units are all manufactured using high impact ABS thermoplastics for strength and durability, including the internal and external grilles. The flexible ducting is made from PVC reinforced with steel wire.
- 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

In-line fan kits with PVC duct and wall grilles incorporating automatic in-line shutters

SF150A	Standard model for remote switching
SF150AT	Timer model adjustable (1-20 mins) In-line fans incorporating automatic in-line shutters

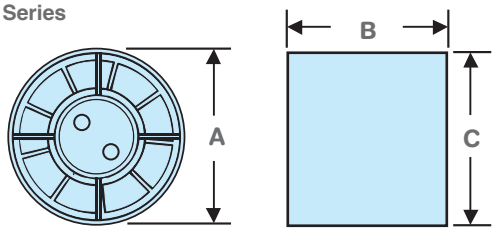
In-line fan only

ID150A	Standard model for remote switching
ID150AT	Timer model adjustable (1-20 mins)

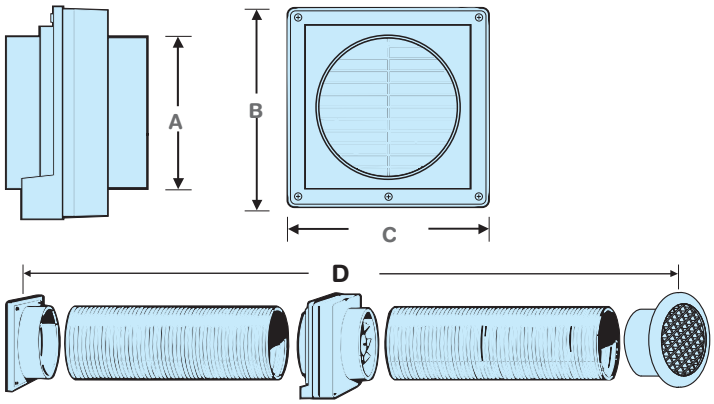
Dimensions (mm)

PRODUCT	A	B	C	D
SF150A	152Ø	180	180	Up to 5m
ID150A	152Ø	180	180	

ID150 Series



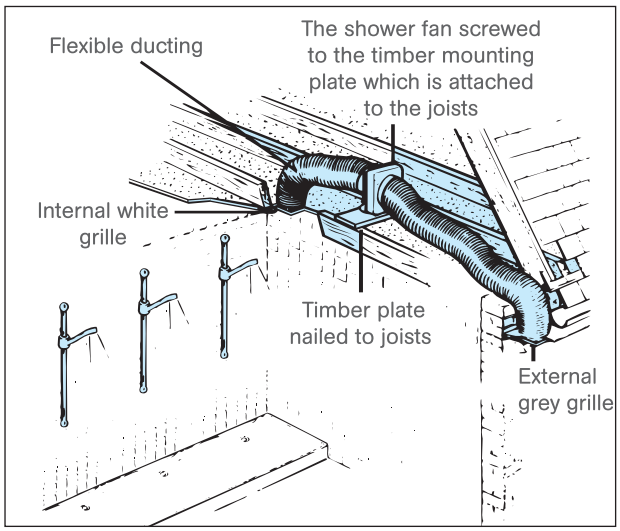
SF150/ID150 Series

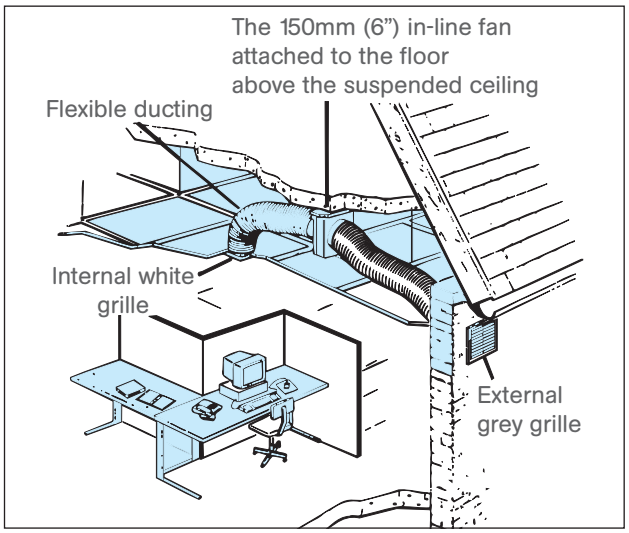


Performance

SF150/ID150 Up to 220m³/hr, 62 litres per second
Maximum Fan performance stated, this can vary depending on the length of ducting used

Typical Installations





Packaging

SF150 In outers of 5 measuring 440mm x 393mm x 1083mm volume 1.87m³

ID150 In outers of 10 measuring 755mm x 229mm x 428mm volume 0.07m³

Installation

The 150mm shower fan is easy to install in the average loft/ceiling recess as, after the hole has been cut in the ceiling of the shower/room, all other work is continued outside the living area.

Electrical

220-240V - AC. 50Hz ⧈ . Single phase consuming 25W on the SF150A automatic models. 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.

Additional Data

150mm (6") Range
Maximum pressure: 50 p.a.
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.
- There are seven models in each series. The CF100 has an extract rate of 90m^3/hr 25 litres per second, the CF200 range have an extract rate of 110m^3/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).

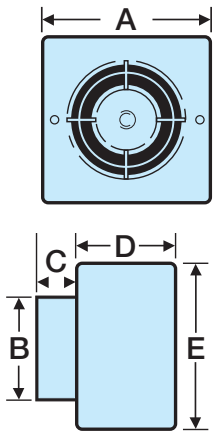
Technical Details

Cat. No.	Product type
CF100S CF200S	Standard model for remote switching
CF100P CF200P	As above supplied with pullcord switch
CF100T CF200T	Timer model incorporating integral adjustable electronic timer (1-20 mins)
CF200TP	As above with pullcord override switch. Requires no switched live
CF100H CF200H	Humidity control which is adjustable between 40 and 95%RH Complete with adjustable integral timer (1-20 mins)
CF200HP	Electronic humidity control with pullcord override switch Requires no switched live
CF100PIR CF200PIR	PIR activated model with adjustable timer for presence detection that will run on when room is vacated (1-20 mins). Requires no switched live

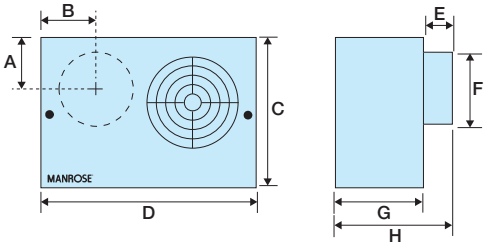
Dimensions (mm)

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

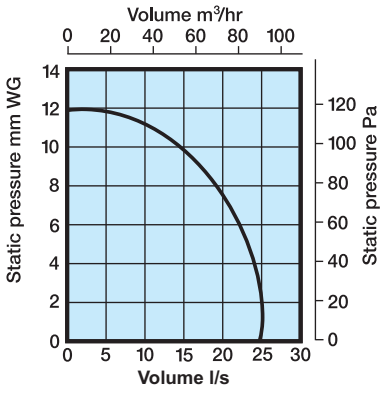


CF200 Series

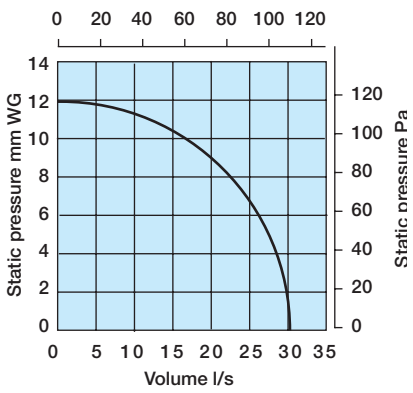


Performance Graph

CF100
90m³/hr, 25 litres per second



CF200
110m³/hr, 31 litres per second



Packaging

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

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

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 - AC. 50Hz single phase consuming 19W 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
Maximum pressure: 80 p.a.
Fan speed: 1600 r.p.m.
Sound volume: 42.0 dB(A)

CF200
Maximum pressure: 120 p.a.
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 **CRCHTPLV - SELV 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. 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 12kgs

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

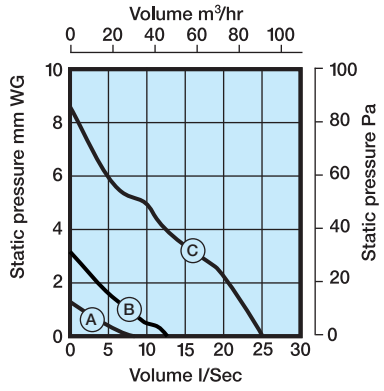
Maximum pressure: Sound volume: 36.0 dB(A) Maximum operating temperature: 40ºC

SFP

The SFP at various speeds;
Trickle = 0.18
Lower Boost = 0.19
Boost = 0.32

Performance Graph

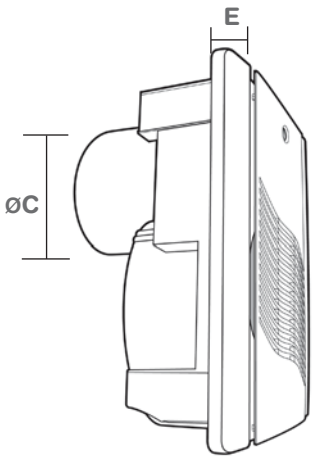
(A) Trickle, 8 litres per second
(B) Lower Boost Speed, 13 litres per second
(C) Higher Boost Speed, 25 litres per second



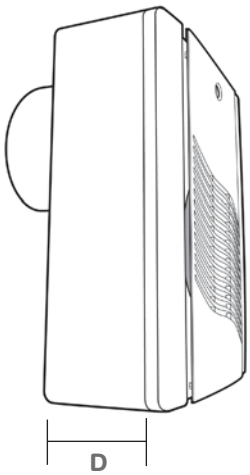
Dimensions (mm)

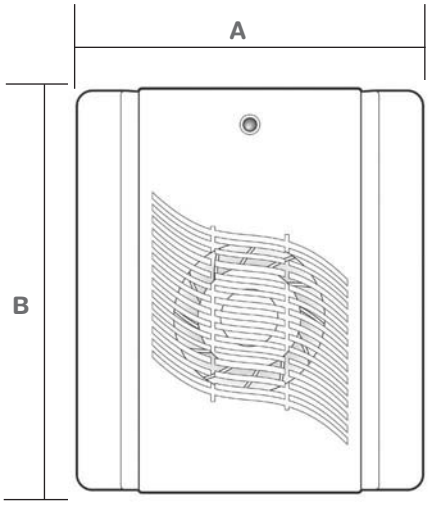
PRODUCT	A	B	ØC	D	E
Continuum	210	265	100	90	17

Flush Fitting



Surface Mount





MANROSE®

M200 Centrifugal Bathroom Fan
Domestic Range

M200S

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.

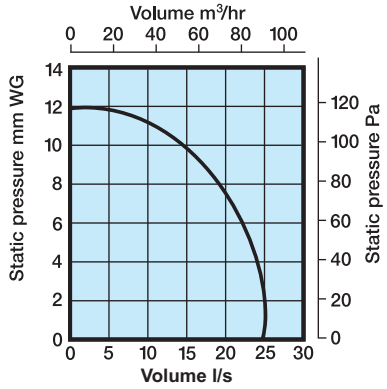
- 98mm spigot for speedy installation
- Available in Standard, Pullcord, Timer and Humidity versions
- Provides required performance of 54m^3/h (15l/s) to comply with the Building Regulations (Document F). Also available as part of the Part L compliant range.
- Flush or surface mountable
- Adjustable 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.
LM200HP	As above but Part L compliant.

Performance Graph M200

85m³/hr 24 litres per second



Packaging

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

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 - AC. 50Hz single phase consuming 13W on the M200 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

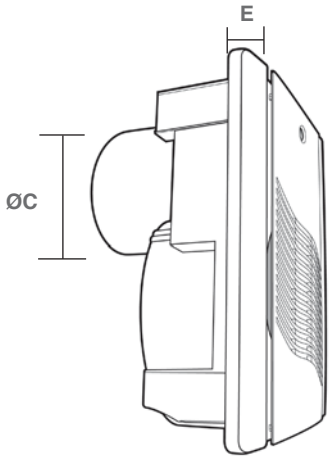
M200

Maximum pressure: Sound volume: 36.0 dB(A) Maximum operating temperature: 40ºC

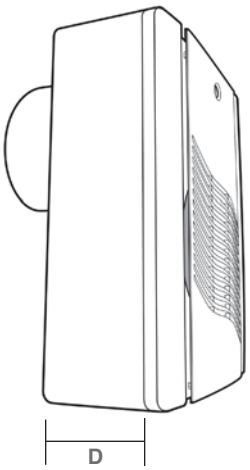
Dimensions (mm)

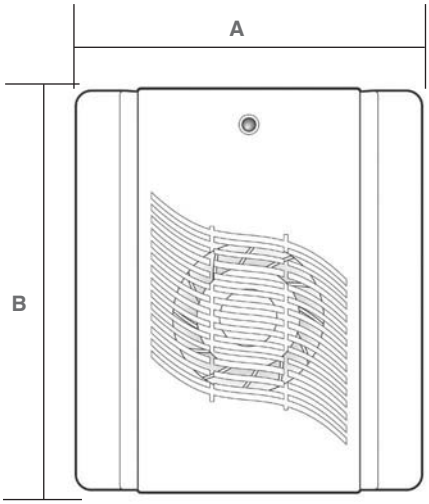
PRODUCT	A	B	ØC	D	E
M200	210	265	100	90	17

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 230m³/hr 64 litres per second for the XF version and 220m³/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).

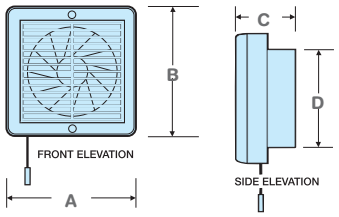
Technical Details

Cat. No.	Product type
WALL/CEILING FANS - Base model with fixed internal grille	
XF150	Standard model for remote switching
XF150P	As above with pullcord switch
XF150T	Timer model incorporating integral adjustable electronic timer (1-20 mins)
XF150H	Humidity control which is adjustable between 40 and 95%RH Complete with integral adjustable timer (1-20 mins)
XF150HP	Electronic humidity control with pullcord override switch. Requires no switched live
WALL/CEILING FANS - Automatic model with internal shutters	
XF150A **XF150AP**	Standard model for remote switching As above supplied with pullcord switch
XF150AT	Timer model incorporating integral adjustable electronic timer (1-20 mins)
XF150AH	Humidity control which is adjustable between 40 and 95%RH. Complete with integral adjustable timer (1-20 mins)
XF150AHP	Electronic humidity control with pullcord override switch. Requires no switched live
WINDOW FANS - Basic model with fixed grilles	
WF150	Standard model
WF150P	Pullcord model
WF150T	Timer model complete with pullcord
WF150H	Humidity control complete with pullcord
Automatic model with internal shutters	
WF150A	Standard model
WF150AP	Pullcord model
WF150AT	Timer model complete with pullcord
WF150AH	Humidity control complete with pullcord

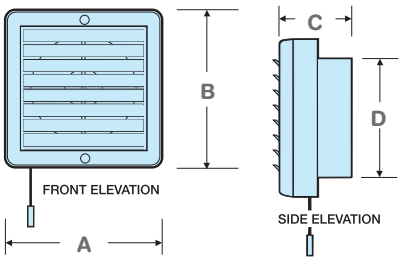
Dimensions (mm)

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

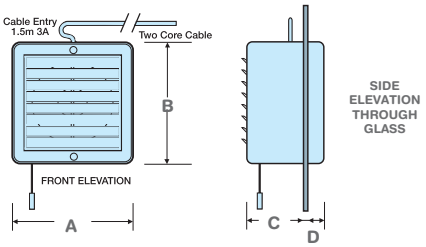
XF150 Series



XF150A Series



WF150 Series



Packaging

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

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

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. Note: for wall fixing, please use the FK1 wall vent kit Cat No. 1300. There are two variations in the range, the base model with fixed louvres for additional trickle flow ventilation and the automatic model incorporates thermoactivated internal shutters (except the pullcord operated model WF150AP).

Electrical

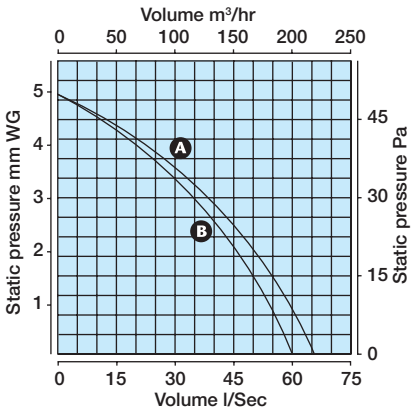
220-240V - AC. 50Hz ⊡. Single phase consuming 20W on the 150 series and 25W on the 150A automatic models. These fans are double insulated and do not require an earth. All wiring must comply with the current IEE regulations. A double pole isolating switch, having a contact separation of at least 3mm in 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

Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40°C

Performance Graphs

(A) XF150 Series 230m³/hr, 64 litres per second
(B) WF150 Series 220m³/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 668m³/hr, 185 litres per second.
- There are three models in the range starting with the basic unit (WF230) which has fixed louvres, 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 (WF230M) 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 1100m³/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 gravity shutters

WF230	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

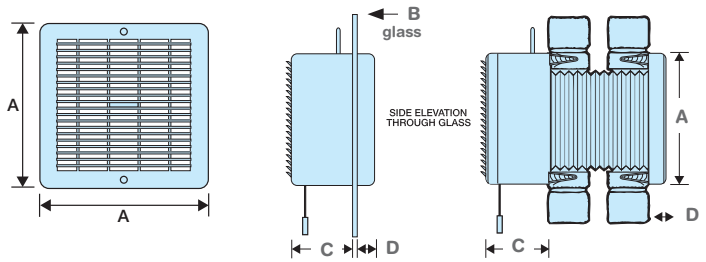
The WF300 series 5 pin connector plug also ensures simple electrical connection without additional wiring.

ACCESSORIES

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

Dimensions (mm)

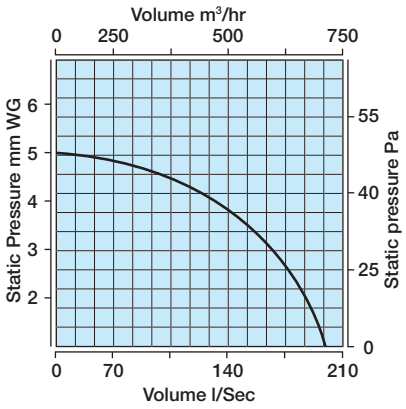
PRODUCT	A	B	C	D
WF230	286	4-32	112	25
WF300	362	4-32	133	29



Performance Graph

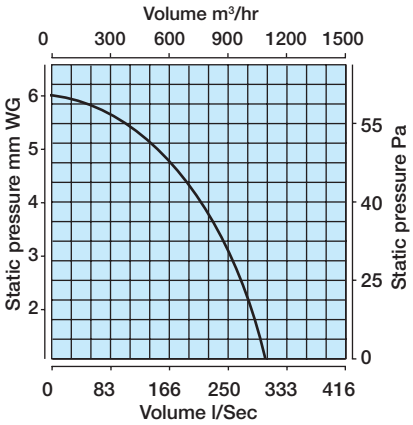
WF230 Series

668m³/hr 185 litres per second



WF300 Series

1100m³/hr, 306 litres per second



Packaging

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

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

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

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

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 aluminum flexible ducting (when extended).

Electrical

220-240V - AC. 50Hz ⊡. 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

Maximum pressure: 50 p.a.
Fan speed: 1250 r.p.m.
Sound volume: 50.0 dB(A)
Maximum operating temperature: 40ºC

WF300

Maximum pressure: 60 p.a.
Fan speed: 1300 r.p.m.
Sound volume: 60.0 dB(A)
Maximum operating temperature: 50ºC

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.
- There are three models in the range: 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 668m³/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 1100m³/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

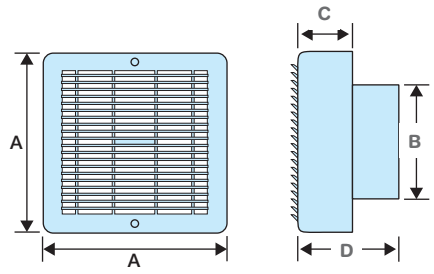
ACCESSORIES

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

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

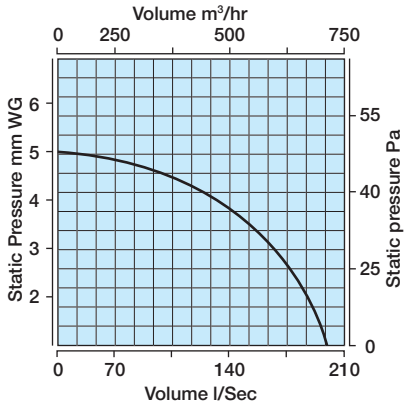
Dimensions (mm)

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

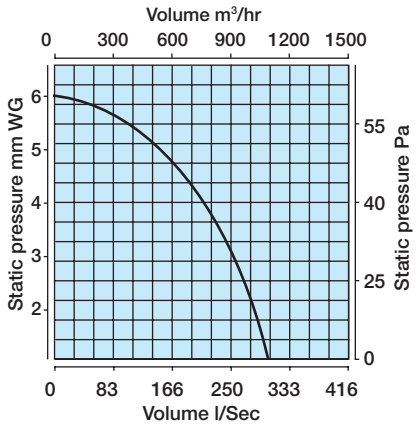


Performance Graph

XFS230 Series
668m³/hr, 185 litres per second



XFS300 Series
1100m³/hr, 306 litres per second



Packaging

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

Installation

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

Electrical

220-240V - AC. 50Hz ⧈. 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.

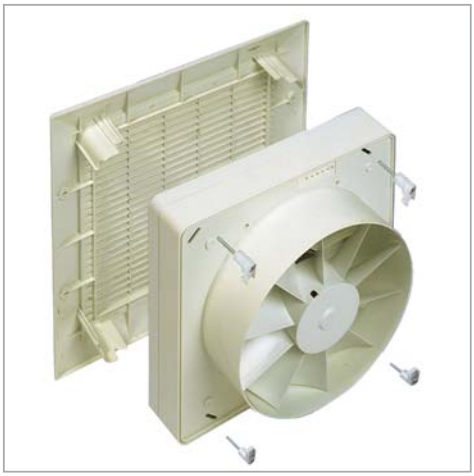
Additional Data

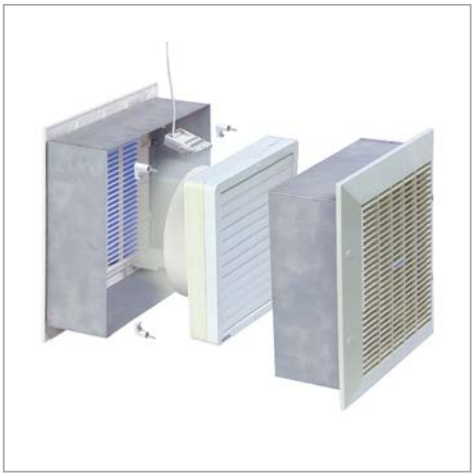
XFS230
Maximum pressure: 50 p.a.
Fan speed: 1250 r.p.m.
Sound volume: 50.0 dB(A)
Maximum operating temperature: 40ºC

XFS300
Maximum pressure: 60 p.a.
Fan speed: 1300 r.p.m.
Sound volume: 60.0 dB(A)
Maximum operating temperature: 40ºC

Commercial Series Wall Fans
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^3/hr, 77 litres per second for the 150mm unit, 668m^3/hr, 185 litres per second for the 230mm units and 1100m^3/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 new 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

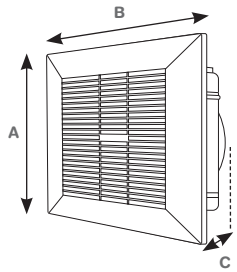
Technical Details

Cat. No.	Product type
WALL PANEL FAN UNIT	
COMT150	Standard model with fixed grille
COMT150A	Automatic model with internal thermo-activated shutters
COMT230	Standard model with fixed grille
COMT230A	Automatic model with internal thermo-activated shutters
COMT300	Standard model with fixed grille
COMT300A	Automatic model with internal thermo-activated shutters
WALL FAN KIT	
COMTK150	Standard model with fixed grille
COMTK150A	Automatic model with internal thermo-activated shutters
COMTK230	Standard model with fixed grille
COMTK230A	Automatic model with internal thermo-activated shutters
COMTK300	Standard model with fixed grille
COMTK300A	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
1302/3/4/5	2.5/5/10/25m 5 Core Flexible Cable
Comtkes150 **Comtkes230** **Comtkes300**	Extension sleeve for walls up to 533mm

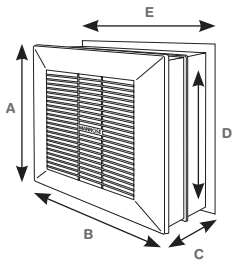
Dimensions (mm)

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

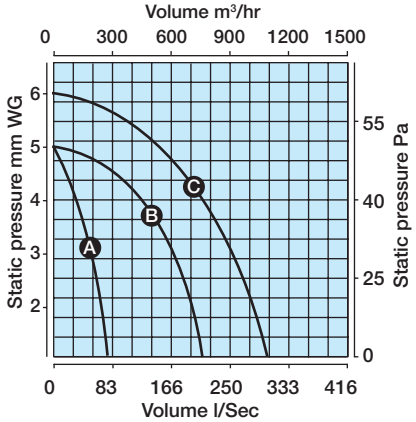


COMTK Series



Performance Graph

(A) COMT150 Range 278m³/hr, 77 litres per second
(B) COMT230 Range 668m³/hr, 185 litres per second
(C) COMT300 Range 1100m³/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
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature 40ºC

COMT230
Maximum pressure: 50 p.a.
Fan speed: 1600 r.p.m.
Sound volume: 53.0 dB(A)
Maximum operating temperature 40ºC

COMT300
Maximum pressure: 60 p.a.
Fan speed: 1300 r.p.m.
Sound volume: 60.0 dB(A)
Maximum operating temperature 40ºC

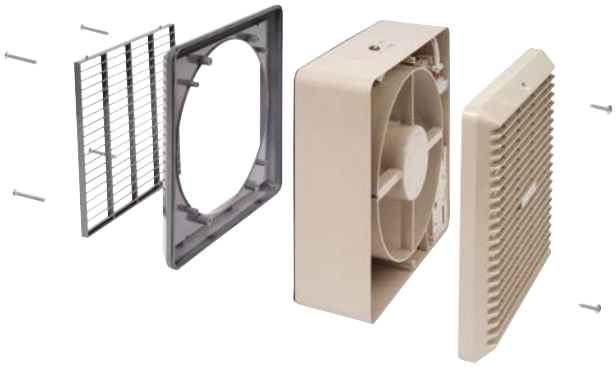
Electrical

220-240V - AC. 50Hz ⧈. 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

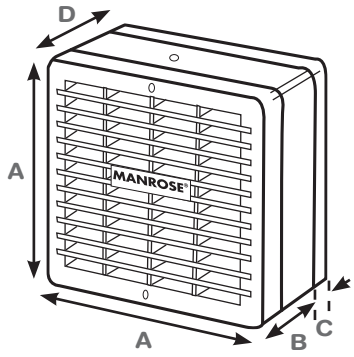
Cat. No.	Product type
COMG150MP	Thermo-activated internal shutters
COMG150A	Automatic model with internal thermo-activated shutters
COMG230MP	Internal shutters pullcord operated
COMG230A	Automatic model with internal thermo-activated shutters
COMG300MP	Internal shutters pullcord operated
COMG300A	Automatic 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

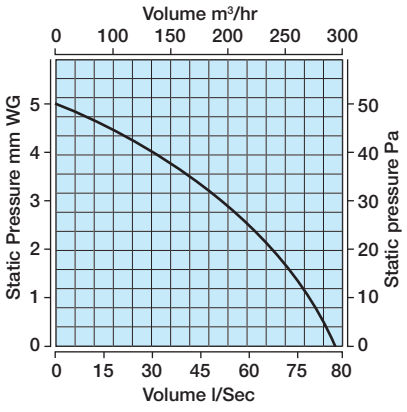
Dimensions (mm)

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

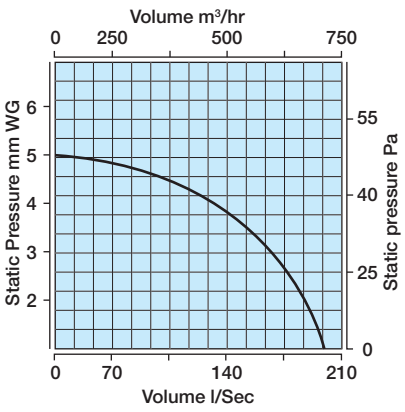


Performance Graph

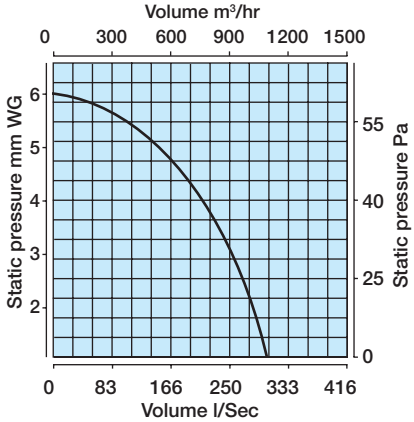
150mm (6") series
278m³/hr, 77 litres per second



230mm (9") series
668m³/hr, 185 litres per second



300mm (12") series
1100m³/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 - AC. 50Hz ⊡. 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
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40°C

COMG230
Maximum pressure: 50 p.a.
Fan speed: 1600 r.p.m.
Sound volume: 53.0 dB(A)
Maximum operating temperature: 40°C

COMG300
Maximum pressure: 60 p.a.
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 new stylish design the commercial range has an extract rate of 278m^3/hr, 77 litres per second for the 150mm (6") unit 668m^3/hr, 185 litres per second with the 230mm (9") unit and 1100m^3/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.

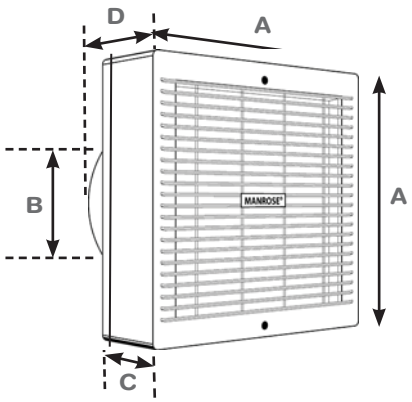
Technical Details

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.

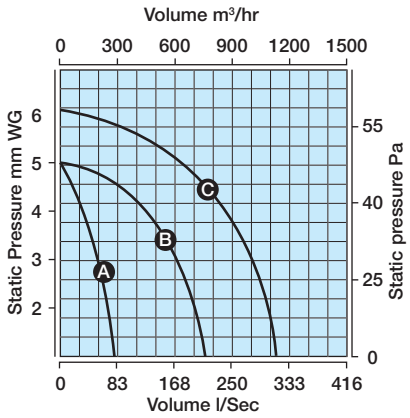
Dimensions (mm)

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 278m³/hr, 77 litres per second
(B) 230mm (9") series 668m³/hr, 185 litres per second
(C) 300mm (12") series 1100m³/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 - AC. 50Hz ⊡. 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
Maximum pressure: 50 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 40.0 dB(A)
Maximum operating temperature: 40°C

COMCW230
Maximum pressure: 50 p.a.
Fan speed: 1600 r.p.m.
Sound volume: 53.0 dB(A)
Maximum operating temperature: 40°C

COMCW300
Maximum pressure: 60 p.a.
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

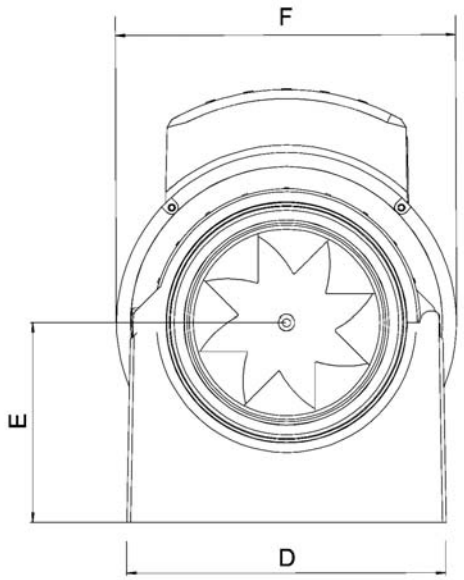
These powerful in-duct mounted mixed flow fans have been designed to produce higher working pressures for applications that require high air flows, with low relative noise.

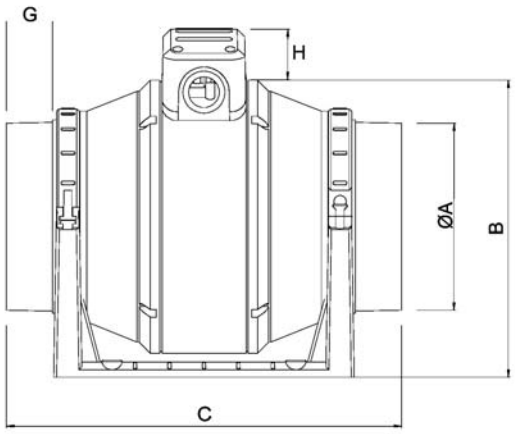
MixFlo fans can be mounted in a variety of applications and are suitable for use with either rigid or flexible ducting.

- 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^3/hr)	Maximum Airflow (l/s)	Maximum Pressure (Pa)	dB(A) 3m*	Max Operating Temp °C
	H	2400	25	245	68	200	24	
MF100S/MF100T	M	2100	23	216	60	170	22	40
	L	1700	20	180	50	120	20	
	H	2400	33	310	86	230	25	
MF125S/MF125T	M	2100	31	290	79	200	23	40
	L	1700	28	240	67	160	21	
	H	2400	48	500	138	190	35	
MF150S/MF150T	M	2100	46	460	127	150	33	40
	L	1700	42	400	111	130	31	
	H	2750	120	855	238	220	48	40
MF200S/MF200T	M	2700	113	738	205	190	48	40
	L	2000	110	648	180	180	48	40

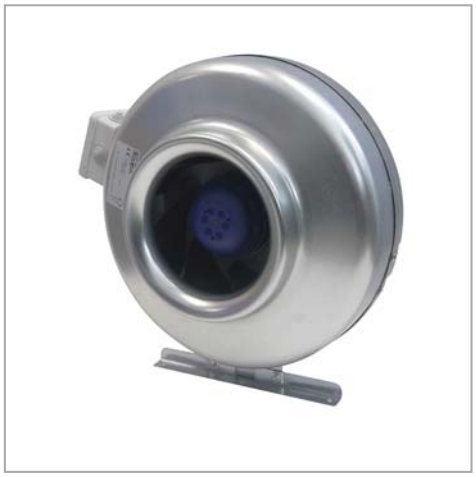
*Lp dB(A) 3 metres - sound pressure

Speed Controller

Cat No. METCON (not to be used with Timer models)

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 from 216m³/h to 1296m³/h.

An extensive range of accessories is available to cover most ducted applications. Supplied with mounting feet for horizontal or vertical mounting.

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

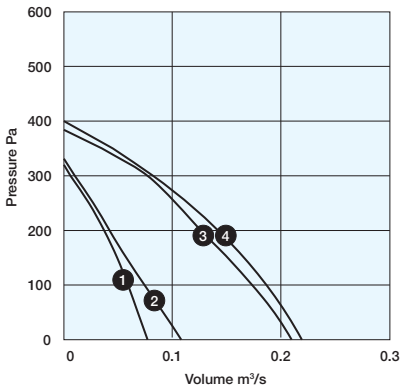
MET range incorporates a backward curved centrifugal impeller designed for large airflow against the resistance experienced in longer duct lengths. All models have 30mm long inlet and discharge spigots for easier ductwork connection.

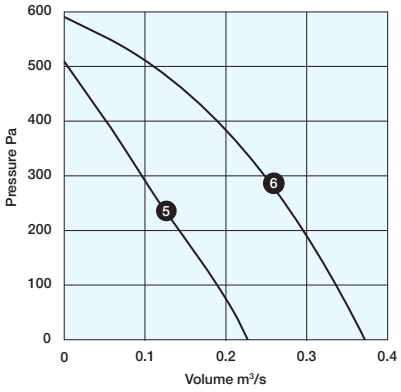
Designed for use with electronic speed control.

Technical specifications

Model	Speed Rpm	Performance m³/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

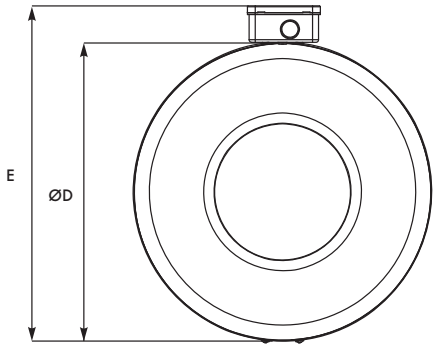


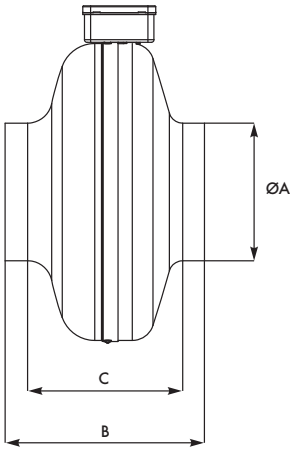


Size	100	125	150	200	250	315
	1	2	3	4	5	6

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 - AC. 50Hz 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.

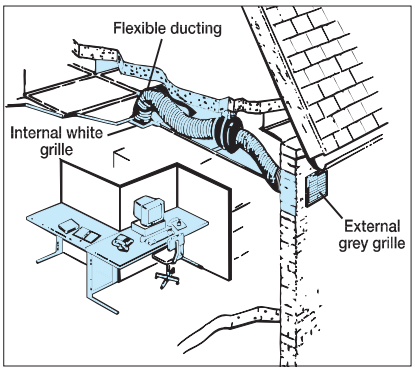
Installation

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

Speed Controller

Cat No. METCON

Installation



Fly Killer
Specialist Range

MANPFK/50/80/150

MANPFK - PORTABLE UNIT

- High efficiency, long life (50,000 hrs) LED bulbs for attracting insects
- The MANPFK consumes 5.5W with a coverage of 50m^2
- An extractor fan is incorporated into the ABS fire proof plastic housing
- Comes complete with a safety micro switch and a separate brush for cleaning and maintenance
- Pre-wired and fitted with a 3 pin plug

MANFK

- Energy efficient UV-A Lamp
- 3 sizes available 50m^2, 80m^2, 150m^2
- Made from crack, fade, scratch and oil resistant high quality aluminium
- Multiple mounting options of wall, suspended or free standing
- Comes complete with a large removable collection tray for easy cleaning
- Pre-wired and fitted with a 3 pin plug

Technical Details

Additional Data

Model	Size LxWxH (mm)*	Weight	Coverage
MANPFK	200 x 75 x 210	0.7	50m²
MANPFK50	340 x 100 x 264	1.83	50m²
MANPFK80	385 x 100 x 315	2.6	80m²
MANPFK150	640 x 100 x 365	3.60	150m²

Replacement Lamps

Watts	Model	Watts
5.5	–	–
2x8	MANLMP8W	8W
2x10	MANLMP10W	10W
2x20	MANLMP20W	20W

*size is based on the product without the packaging

MANPFK

- High efficiency long life (50,000 hrs) LED bulbs for attracting insects
- Power: 5.5W
- Coverage: 50m²
- ABS fire proof plastic
- Micro switch for high safety
- Extract fan for high efficiency
- Includes brush for cleaning and maintenance
- Approved to EN60335-2-59 CE/GS/ROHS

MANFK50

- Power: 2x8W
- Coverage: 50m²
- Large removable collection tray for easy cleaning
- High quality aluminium, easy to clean. Crack, fade, scratch and oil resistant
- Full protected outer mesh
- Energy efficient UV-A lamp
- Wall mountable (on a chain), suspending or free standing
- Approved to EN60335-2-59 CE/GS/ ROHS/REACH/PAH(TUV)

MANFK80

- Power: 2x10W
- Coverage: 80m²
- Large removable collection tray for easy cleaning
- High quality aluminium, easy to clean. Crack, fade, scratch and oil resistant
- Full protected outer mesh
- Energy efficient UV-A lamp
- Wall mountable (on a chain), suspending or free standing
- Approved to EN60335-2-59 CE/GS/ ROHS/REACH/PAH(TUV)

MANFK150

- Power: 2x20W
- Coverage: 150m²
- Large removable collection tray for easy cleaning
- High quality aluminium, easy to clean. Crack, fade, scratch and oil resistant
- Full protected outer mesh
- Energy efficient UV-A lamp
- Wall mountable (on a chain), suspending or free standing
- Approved to EN60335-2-59 CE/GS/ ROHS/REACH/PAH(TUV)

Extract-A-Lite 12 Volt DC

For Caravans, Motor homes, Boats and Marine installations

Specialist Range

BSL112/124

A compact combined extractor fan with an integral halogen light. Designed for installation in galleys, showers and toilets, ideal for marine and other leisure applications.

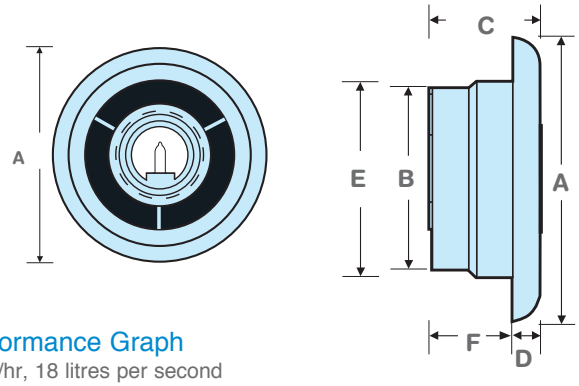
- Long life computer motor which will run continuously, only 2.8 Watts.
- 12 Volt DC motor, 24 Volt DC motor also available.
- Ignition protected.
- 50,000 hours operating life expectancy.
- The fan and light may be switched on together or used independently.
- Easy to install and maintain.
- Available in White and Chrome finish.
- Quiet and efficient, the Extract-A-Lite has an extraction rate of 64m^3/hr or 18 litres per second and only 43 dB(A).
- Designed for Wall/Ceiling or Panel Mounting, terminating through standard UFO or similar deck waterproof fittings or the Manrose BSLUFO outlet cowl and ring kit.

Technical Details

Cat. No.	Product type
BSL112C	Standard 12V model for remote switching - Chrome
BSL112W	Standard 12V model for remote switching - White
BSL124C	Standard 24V model for remote switching - Chrome
BSL124W	Standard 24V model for remote switching - White
BSF112W	Fan only 12V model - White
BSF124W	Fan only 24V model - White
BSLUFO	Boatlite circular outlet cowl & ring kit

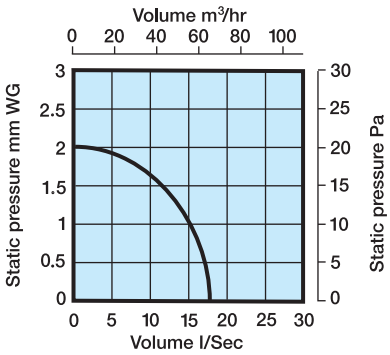
Dimensions (mm)

PRODUCT	A	B	C	D	E	F
BSL112	140Ø	90	52	12	98	38
BSL124	140Ø	90	52	10	98	38



Performance Graph

64m³/hr, 18 litres per second



Typical Installation into a boat bathroom

Packaging

In outers of 10 measuring 370mm x 200mm x 560mm - weight 4 kgs.

Installation

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

Electrical

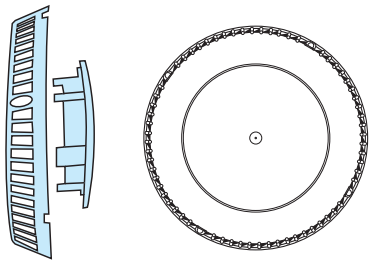
12V Showerlite, DC 12V 2.8 Watts fan, max airflow 18 litres/sec and max 10 Watts light, G4 lamp.

24V Showerlite, DC 24V 2.8 Watts fan, max airflow 18 litres/sec and max 10 Watts light, G4 lamp.

Additional Data

100mm (4") Range
Maximum pressure: 20 p.a.
Fan speed: 2400 r.p.m.
Sound volume: 43.0 dB(A)
Maximum operating temperature: 40°C

BSLUFO Boatlite circular outlet cowl & ring kit



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. **MANWF12**

Product type 12" Wall Fan

DImensions

Height	425mm
Width	400mm
Depth	300mm

14" Box Fan (335mm)

- Floor standing model
- 3 speed options
- 360° rotating air circulation and tilt adjustment

Cat. No. **MANBF14**

Product type 14" Box Fan

DImensions

Height	500mm
Width	430mm
Depth	120mm
Weight	4.8kgs

3 in 1 Mobile Air Conditioner (12,000 Btu)

- Choose from cooling, dehumidifying and fan only options
- 24 hour timer
- Suitable for upto 25 sq/metre.

Cat. No.	Product type
MANCOOL12	3 in 1 - 12,000 Btu/hr

Ceiling Sweep Fan

- 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
- Reversible electronic controller available

Cat. No.	Product type	Air displacement m^3/hr
MANSPF90	900mm diameter sweep	8,100
MANSPF120	1200mm diameter sweep	12,600
MANSPF140	1400mm diameter sweep	15,000
MANSPFCON	Transformer speed controller controls up to 5 fan units	

Hand Driers
Specialist Range

HAND DRIERS

- The new range of high quality, warm air hand driers from Manrose incorporates the latest technology and design, and is available in push button or automatic 'no-touch' operations.
- Easy to install, they have very economical operating costs, compared to paper towel or cloth towel cabinets and are more hygienic.
- The range includes three versions of heavy-duty steel cover, aluminium cover and ABS plastic cover. Suitable for most applications including hotels, shops, restaurants, hospitals and factories.
- Heavy-duty range now available in three finishes, bright chrome, satin chrome, and white.
- New to the range is the Manrose fast dry
  - 10 second dry
  - Unique blue dry zone indicator
  - 70% energy saving
- All models CE approved.

Technical Details

Applications

The models MAN M-88A and MAN/A-89 are 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.

	MAN/M-88A	MAN/A-89	MAN/E88AE	MAN/E88AEBC	E88AEC
			FAST DRY HAND DRYERS		
Cover	ABS thermoplastics one-piece cover - White	Aluminium 3mm White	White Steel	Stainless Satin Steel	Stainless Satin Chrome
Operation	No touch Infra Red detection	No touch Infra Red detection	No touch Infra Red detection	No touch Infra Red detection	No touch Infra Red detection
Electrical	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz
Power	1.5kW at 240V	2.0kW at 240V	1.6kW at 240V	1.6kW at 240V	1.6kW at 240V
Dimensions (HXWXD)	275 x 225 x 160mm	275 x 225 x 160mm	277 x 201 x 175mm	277 x 201 x 175mm	277 x 201 x 175mm
Sound Volume Levels	54 dB(A) 1m	69 dB(A) 1m	74 dB(A) 1m	74 dB(A) 1m	74 dB(A) 1m
Weight	3.3 kg	4.7 kg	7.0 kg	7.0 kg	7.0 kg

	MAN/E-88	MAN/E-88A	MAN/E-88ACS	MAN/E-88C	MAN/E-88AC
Cover	Steel 2mm White Porcelain Enamel	Steel 2mm White Porcelain Enamel	Steel 2mm Satin Chrome	Steel 2mm Bright Chrome	Steel 2mm Bright Chrome
Operation	Push Button	No touch Infra Red detection	No touch Infra Red detection	Push button	No touch Infra Red detection
Electrical	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz	220-240V 50Hz
Power	2.4kW 240V	2.4kW 240V	2.4kW 240V	2.4kW 240V	2.4kW 240V
Dimensions (HXWXD)	248 x 284 x 202mm	248 x 284 x 202mm	248 x 284 x 202mm	248 x 284 x 202mm	248 x 284 x 202mm
Sound Volume Levels	70 dB(A) 1m	70 dB(A) 1m	70 dB(A) 1m	70 dB(A) 1m	70 dB(A) 1m
Weight	7.5 kg	7.5 kg	7.5 kg	7.5 kg	7.5 kg

ManiVent

Whole-house ventilation system

Specialist Range

MANI3000

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.

Each intake spigot of the unit incorporates an auto air volume regulator which controls the volume and pressure within the ducts, regardless of the duct lengths. This automatic feature ensures commissioning is much quicker. The unit has three integral speed settings and an overun timer.

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.
- 1-30 minute timer delay option.

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 3000	Standard model with timer delay

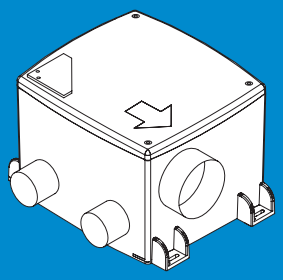
Dimensions (mm)

W/mm	H/mm	D/mm
425	420	240

Performance

	m³/hr	l/s	Watts	dB(A)
Low	240	67	24	37
Medium	362	101	42	43
High	500	139	91	48

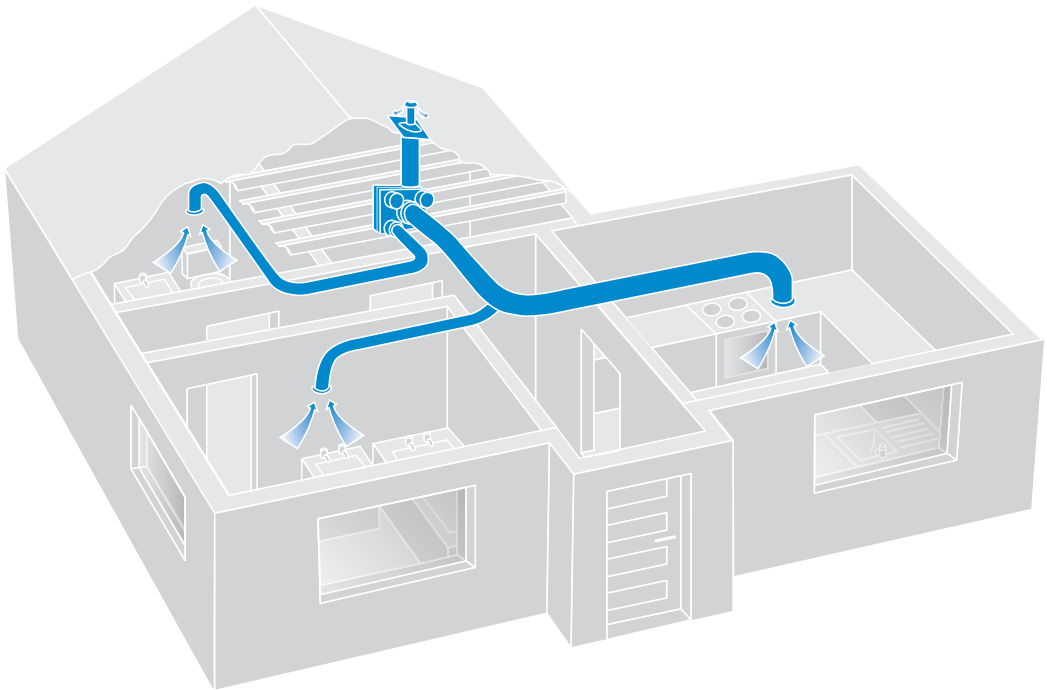
Central Extract System



Includes the following accessories

Spigots –Room Extracts	Quantity
80 mm diameter inlets	4
80 mm spigot covers	2
125 mm diameter inlets	1
125 mm spigot covers	1

Spigots – Exhaust to atmosphere	Quantity
125 mm diameter outlet	1



Lo-Watt ManiVent DC

Whole-House Extract System

Specialist Range

MANI2000

- Reduces your carbon footprint.
- Recognised in SAP Appendix Q.
- Fitted with four extract 125 or 100mm diameter spigots allowing quick connection to ducts.
- Fitted with a condensation 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 122 l/s, the Multispeed Multivent is one of the most efficient central extract unit in the UK.

The unit has 2 fully variable speed for trickle and boost, with a switched live (LS) activation to the higher speed.

The potentiometer controlled speed selector allows accurate setting of airflow, ensuring exactly the right ventilation rate. This feature also reduces noise, and energy consumption.

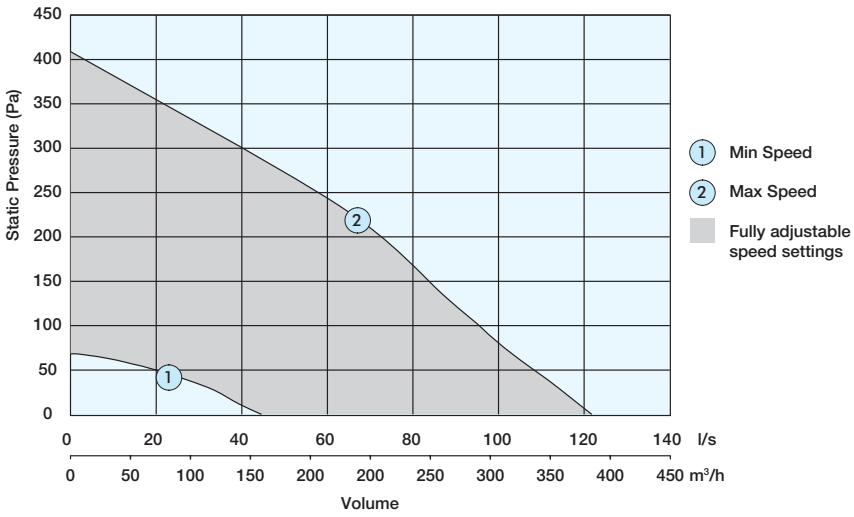
Meets the building regulations document (F1) for continuous running.

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

Technical Details

Cat. No.	Product type
MANI 2000	Wholehouse Central Extract System

Performance Graphs



Performance and Power Consumption

	Casing Breakout dB(A)@3m	Inlet Duct dB(A)	FID l/s	Power Watts
Minimum	19	18	43	6
Maximum	37	43	121	45

Dimensions (mm)

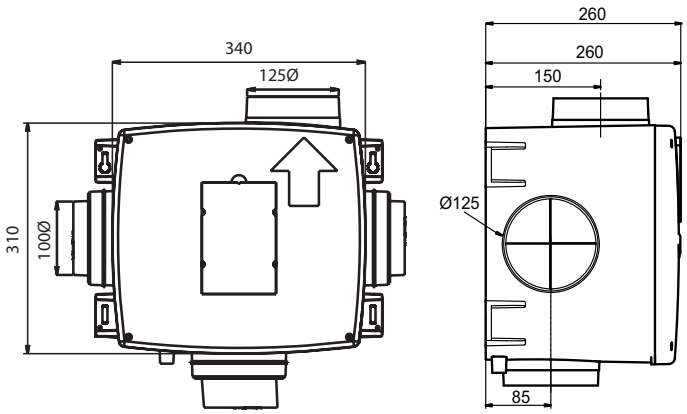
Weight: 5.50kg

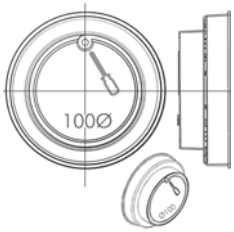
Sound Levels

Published dB(A) figures are free field sound levels at 3m with spherical propagation at a reference level of 2 x 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.





Reduction Pieces

Diameter: 100/125mm

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

2 point Extraction

1 x 1271 120mm Wall Kit
1 x Insduct 127 10m Insulated Ducting 127mm
6 x 1110 Worm Drive Clamps
2 x 2120W Internal Circular Grille 120mm

3 point Extraction

1 x 1271 120mm Wall Kit
1 x Insduct 127 10m Insulated Ducting 127mm
8 x 1110 Worm Drive Clamps
3 x 2120W Internal Circular Grille 120mm

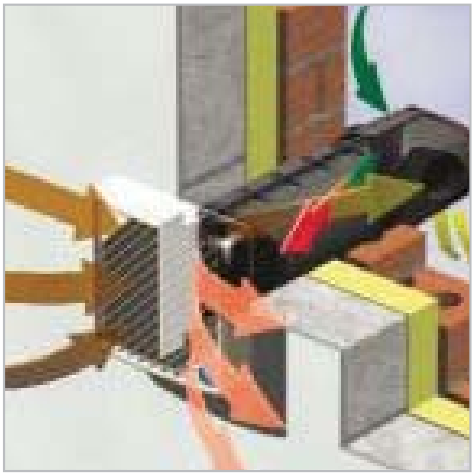
4 point Extraction

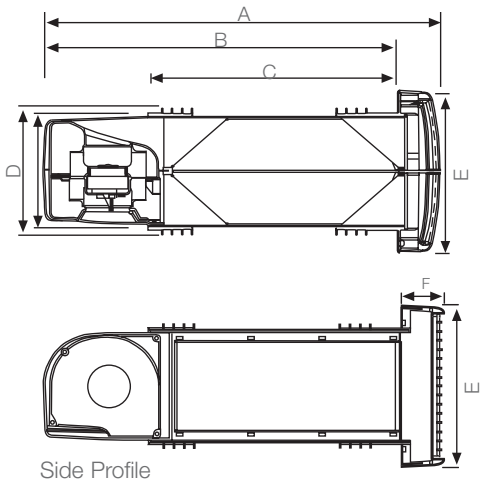
1 x 1271 120mm Wall Kit
1 x Insduct 127 10m Insulated Ducting 127mm
10 x 1110 Worm Drive Clamps
4 x 2120W Internal Circular Grille 120mm

Lo-Watt Domestic Heat Recovery Units

The Windsor Range

MANHR25





Side Profile

Features & Benefits

- Designed for installations in bathrooms, toilets, utility areas and small bedrooms.
- 84% temperature based heat recovery.
- Controls condensation & eliminates mould.
- Lo-Watt energy saving.
- Meets building regulations for Bathrooms, Toilets and Utility Rooms for system1 intermittent extract and for constant ventilation as per system 4 requirement.

Technical Details

Model No.	Product type
MANHR25	Twin-Speed Operated By A Pullcord
MANHR25H	Twin-Speed Operated By A Humidity Sensor
MANHR1345	Boost Switch

Performance

		HR25	HR25H
Extract Performance m^3/hr			
	Boost	55	55
	Trickle	20	20
Intake Performance m^3/hr			
	Boost	36	36
	Trickle	8	8
Watts			
	Boost	23	23
	Trickle	2	2
Sound dB(A) at 3m*			
	Boost	49.2	49.2
	Trickle	16.8	16.8

* Active band frequency range of 250Hz to 4KHz at 3m. Unit mounted on a reflective surface.

Dimensions:

	A	B	C	D	E	F	Weight
Standard	508	451	318	147	204	54	3.4

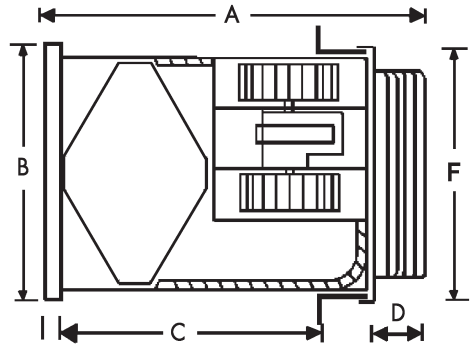
MANHR100

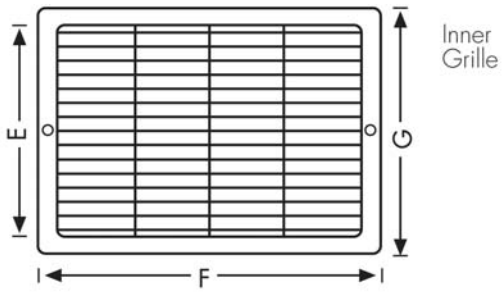
Features & Benefits

- Installation in bathrooms/WC's.
- Meets building regulations for Bathrooms and Toilets for system1 intermittent extract and for constant ventilation as per system 4 requirement.
- 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 m³/hr	
High	77
Low	43
Intake Performance m³/hr	
High	69
Low	38
Watts	
High	31
Low	12
Sound dB(A) at ³m	
High	35
Low	20

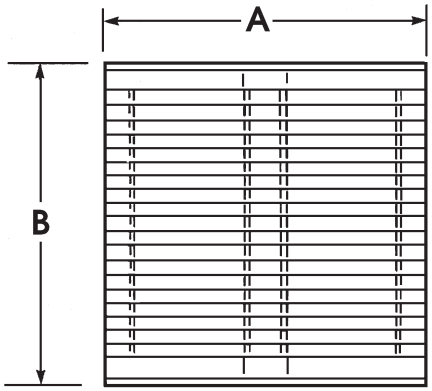
Dimensions:

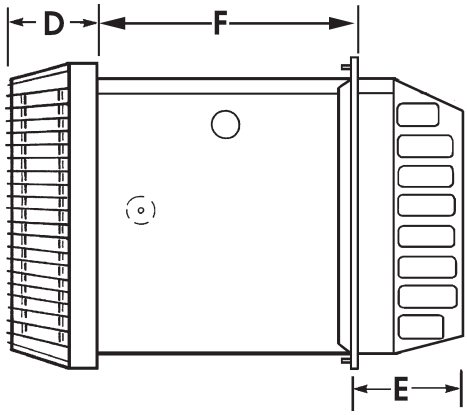
A	B	C	D	E	F	G	Weight
370	270	220-280	68	155	235	190	4.85

Domestic/Commercial Heat Recovery Units

The Windsor Range

MANHR200





Features & Benefits

- Single room heat recovery ventilation unit for kitchens/utilities room.
- Meets building regulations for kitchens and utility rooms for system1 intermittent extract and for constant ventilation as per system 4 requirement.
- 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^3/hr)	16 (60)	30 (110)	61 (220)
Intake Performance l/s (m^3/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

*For maximum controllability use this controller

MANHR100R/100RS

Features & Benefits

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

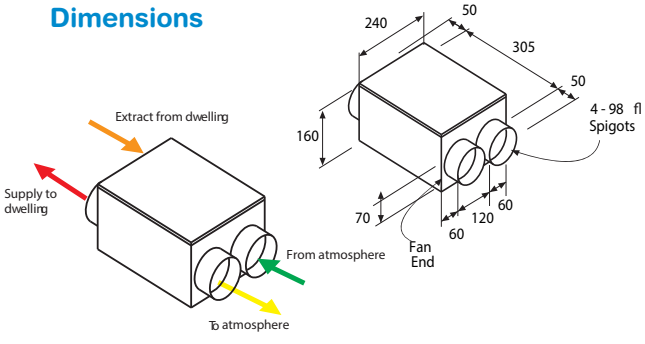
Technical Details

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

Performance

		HR100R	HR100RS
Weight	Kg	5.6	5.6
Extract Performance	Boost	19 (70)	19 (70)
l/s (m³/hr)	Trickle	11 (41)	11 (41)
Intake Performance m³/hr	Boost	70	70
	Trickle	30	30
Watts	Trickle	19	19
Sound dB(A) at 3m	Boost	30	30
	Trickle	20	20

Dimensions



MANHR200V

Features & Benefits

- Powered heat recovery module for smaller commercial applications.
- Up to 70% heat recovery.
- With 150mm duct connection.
- Extremely quiet on low speeds.
- Low power consumption.
- Washable heat exchanger.
- Pre-wired to a flexible cable.

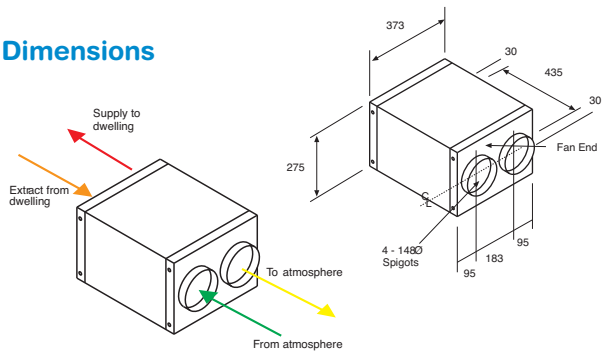
Technical Details

Model No.	Product type
MANHR200V	Heat Recovery Unit
MANHR150VA	150VA Transformer/ Speed Controller*

Performance

Motor speed	1	2	3	4	5
Voltage	100	120	140	160	240
Watts	30.0	40.0	51.5	60.0	110.0
Volume l/s (m³/hr) (FID)					
Supply	28(102)	38(138)	48(174)	56(201)	70(253)
Extract	37(139)	52(187)	67(241)	79(286)	103(371)

Dimensions



*For maximum controllability use this controller

MANROSE®

IMPROVED FOR 2016

Lo-Watt Whole House Heat Recovery

The Windsor Range

MANHR4500

As the current climate pushes for further ways of saving energy, the Whole-House Heat Recovery System provides a powerful extraction whilst maintaining a 91% heat recovery rate. The intake & extract unit comes complete with washable G3 filters, and updated for 2016 there is now a Thermal Bypass available.

Features & Benefits

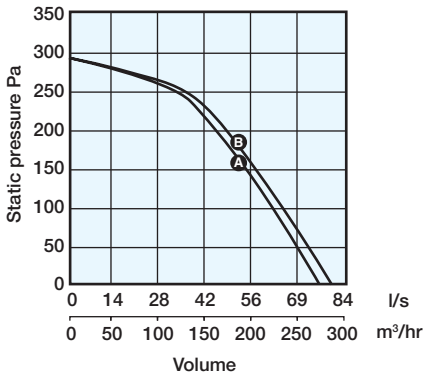
- DC motor
- Suitable for apartments and houses
- Recognised in SAP Appendix Q (PCDB)
- 91% heat recovery
- Lo-Watt Consumption
- Lightweight and easy to install
- Low noise
- Washable G3 filters
- LED status indicator
- Push-button on-unit commissioning controller
- Automatic frost protection
- ErP compliant
- Thermal bypass
- Pre-fitted four core mains cable

Technical Details

Model No.	Product Type
LHMANHR4500DC	Lo-Watt Whole House Heat Recovery System (Left hand spigots to outside)
MANHR4500DC	Lo-Watt Whole House Heat Recovery System
MANHRHUMID	Remote Humidity Sensor

Performance

(A) Supply
(B) Extract

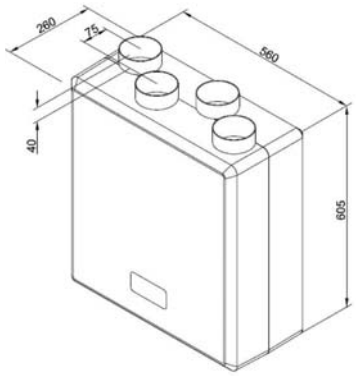


PCDB Performance

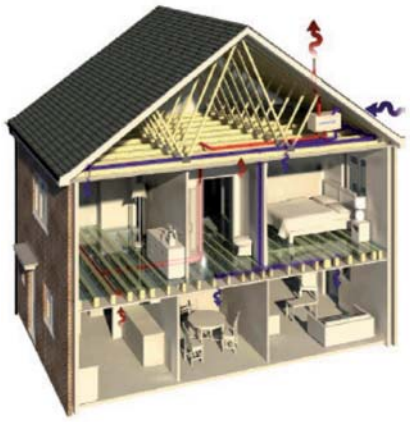
Exhaust terminal configration	Specific fan power W/l/s	Heat Recovery Effiency %
Kitchen + 1 additional wet room	0.61	91
Kitchen + 2 additional wet room	0.65	90
Kitchen + 3 additional wet room	0.76	89
Kitchen + 4 additional wet room	0.94	88
Kitchen + 5 additional wet room	1.11	87

Features & Benefits

- Fits into standard kitchen cupboards, understairs cupboards or loft installations
- Full specification upon application



Typical Installation



MANROSE®

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 1-20 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 and comes complete with an on/off switch which fits a double pattress. Also available with adjustable timer. Fts single pattress 20mm deep.

Cat. No.	Description
MANHRHUMID	Remote humidity sensor for MANHR 4500DC only
1361	Remote humidistat control and timer. Fits into a single pattress 20mm deep over run timer

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. A two speed non reversing controller is also available.

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

METCON

Single phase variable Non Reversible speed controller for use with in-line commercial fans. MET and MF series. Not suitable for timer models.

Cat. No.	Description
METCON	Speed controller 1.7amp

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

METCON

1349

COMTSCVR

1348

NEW

Deluxe Quick Internal Fit Wall Kit
Domestic Range

DELUXE QUICK INTERNAL FIT WALL KIT

The NEW 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 new 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.	Product type
DHRIWKW - White	Deluxe Quick Internal Fit Wall Kit with Brown 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

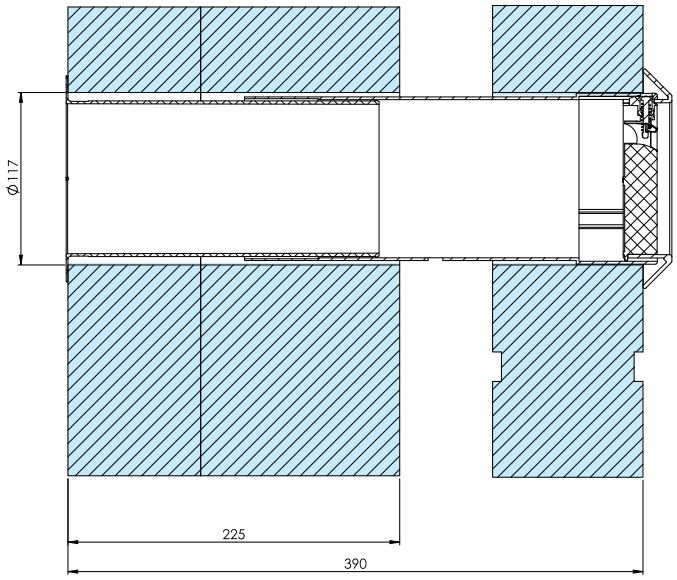
All models packaged in outers of 1. Contact our technical department for packaging dimensions.

Installation

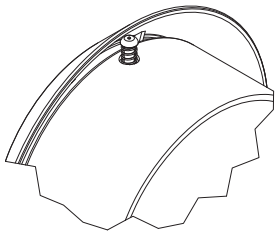
Designed to fit through the wall in a 117mm hole with a maximum depth of 390mm and a minimum depth of 225mm. Can be used with any 100mm fan - select model without integral backdraught shutter if fan already has them.

Dimensions (mm)

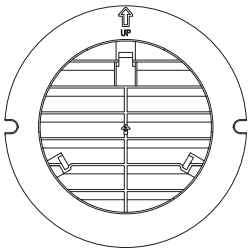
Min wall thickness: 225mm
Max wall thickness: 390mm
Hole diameter: 117mm



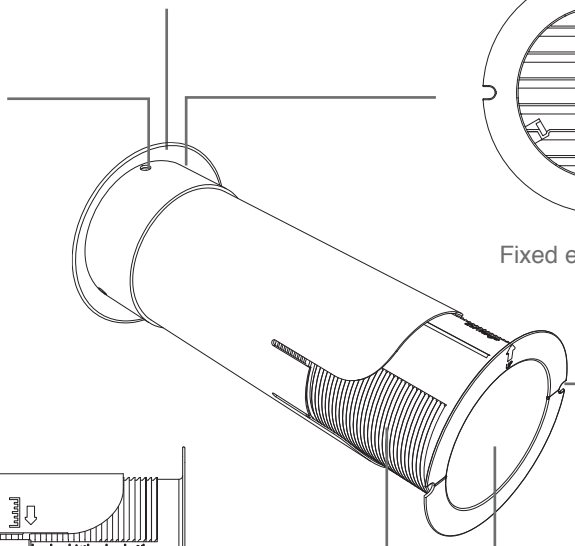
Rubber seal gives neat finish



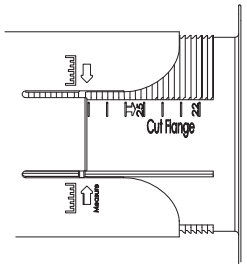
Locking pins secure wall kit in place



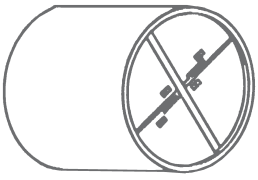
Fixed external grille



Screw fixings to secure in place



Easy to use measurement guide for flexible installation depth



Integral backdraught shutter (BS models)

MANROSE®

NEW

Hybrid Radial System
Ducting Range

HYBRID RADIAL SYSTEM

Features & Benefits

- Reduces installation time
- Can be applied in SAP as a rigid duct system
- Crush resistant semi-rigid duct
- Unique low-resistance manifolds
- Simple installation through joists

Arterial System

Manrose is pleased to introduce the latest addition to our innovative range of ventilation ancillaries. For use with MVHR systems, the NEW Hybrid Air Distribution System provides a flexible, highly robust solution, which can significantly reduce the installation time when compared to a standard system.

Rigid vs Semi-Rigid Systems

Both traditional duct types have limitations in modern construction. Rigid systems: Passing rigid duct through a floor cassette at right-angles to the joists is time consuming and multiple connections increase the risk of leaking ductwork.

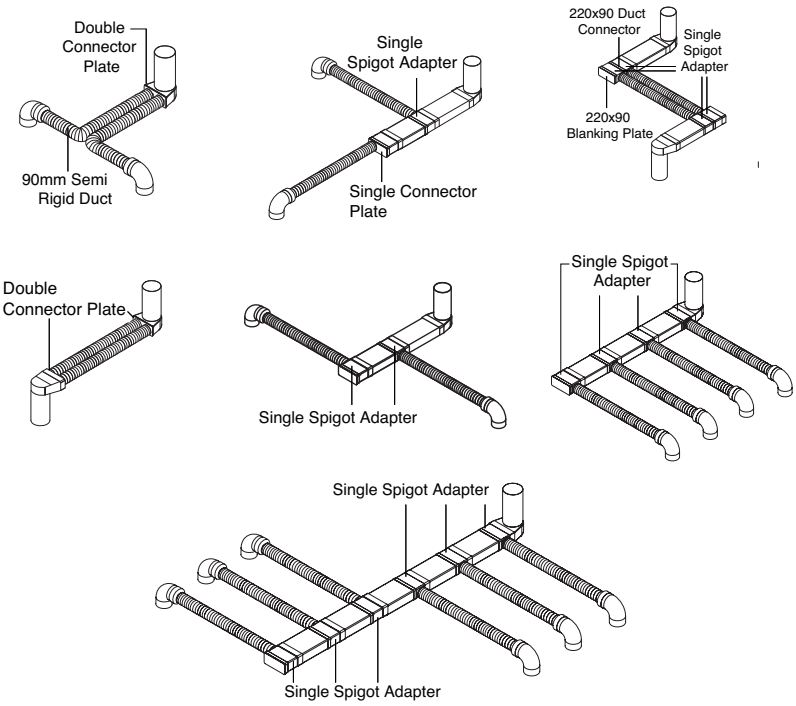
Semi-rigid systems: It can often be difficult to accommodate two distribution boxes and multiple semi-rigid pipe runs in new buildings and the time saving advantages are soon overtaken by the additional cost of materials.

Reduced Installation Time

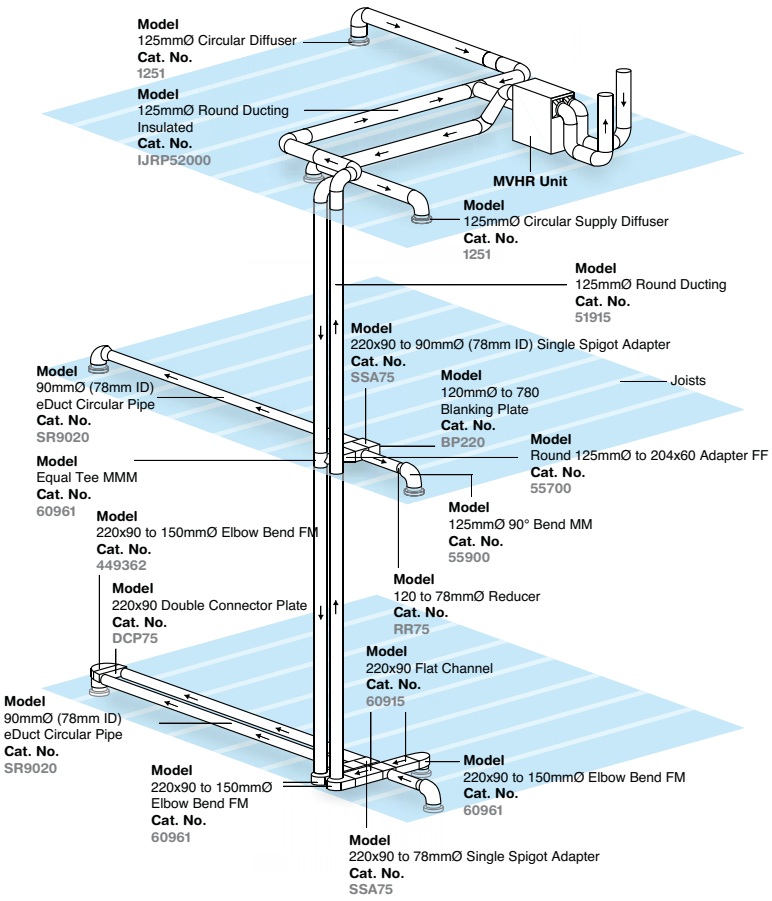
The Manrose Hybrid range combines the advantages of semi-ridgid and traditional rigid ducting in one simple system. The system is independently tested and can be applied in SAP as a standard rigid system. Drops between floors to/from the MVHR unit remain in rigid PVC, having the advantage of low space usage and low cost. Traversing through joists in a floor cassette is much simpler and faster when using semi-rigid duct. The secret to the Hybrid System is the unique low-resistance distribution plenum (Patent Pending) which is sited between joists allowing connection between semi-rigid and rigid sections.

For more information or to place an order please contact Manrose on 01753 691399 or use our free fax order line 0800 387 646 or email sales@manrose.com

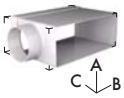
System Configuration Examples



Complete System Setup Example

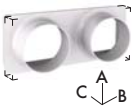


Single Spigot Adaptor



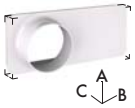
Cat No	Duct Size	External Dimensions A	B	C
SSA75	220x90 to 78Ø	94	258	150

Double Connector Plate



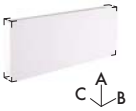
Cat No	Duct Size	External Dimensions A	B	C
DCP75	220x90 to 78Ø	98	226	66

Single Connector Plate



Cat No	Duct Size	External Dimensions A	B	C
SCP75	220x90 to 78Ø	98	226	66

Blank Plate



Cat No	Duct Size	External Dimensions A	B	C
BP220	220x90 to 78Ø	98	226	26

Reducer

Cat No	Duct Size	External Dimensions A	B	C
RR75	120 to 78Ø	129	105	129

eDuct Circular Pipe

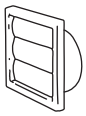
Cat No	Duct Size	Length (mm)
SR9020	90mmØ	20m

Ducting - Terminations

Wall Grilles available in White, Grey, Brown, Cotswold Stone and Terracotta. Please state colour.

Gravity Shutter Grille

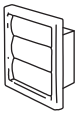
Round Spigot - External Wall Grille



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"

Gravity Shutter Grille

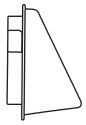
Rectangular Spigot - External Wall Grille



Cat. No.	Product Type	Size
41010	140 x 140mm Gravity Shutter Grille	110 x 54mm

Weather Proof Cowled Wall Outlet

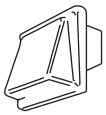
With Damper - Round Spigot



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

Cowled Wall Outlet

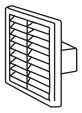
With Damper - Rectangular Spigot



Cat. No.	Product Type	Size
41030	145 x 153mm Cowl with Damper	110 x 54mm

Fixed Louvre Grille

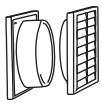
Rectangular Spigot



Cat. No.	Product Type	Size
41050	140 x 140mm Fixed Loure Grille	110 x 54mm

Fixed Louvre Grille

External Wall Grille - Round Spigot

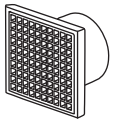


Cat. No.	Product Type	Size
1152	140 x 140mm Fixed Loure Grille	100mm/4"
1172	160 x 160mm Fixed Loure Grille	125mm/5"
1192	180 x 180mm Fixed Loure Grille	150mm/6"
12098*	286 x 286mm Fixed Loure Grille	200mm/8"
1209*	286 x 286mm Fixed Loure Grille	230mm/9"
1206*	362 x 362mm Fixed Loure Grille	300mm/12"

*Available in White only

Egg Crate Grille

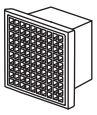
Round Spigot - External Wall Grille



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

Egg Crate Grille

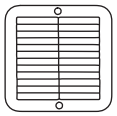
Rectangular Spigot - External Wall Grille



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

Plate Grilles*

External Plate Wall Grilles

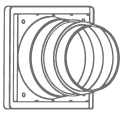


Cat. No.	Product Type	Size
1210L	200 x 200mm Grille Fixed Louvre	150mm/6"
1220L	200 x 200mm Grille Gravity Shutters	150mm/6"
1208	286 x 286mm Grille Fixed Louvre	230mm/9"
1207	362 x 362mm Grille Fixed Louvre	300mm/12"

* Available in White only

Multi Spigot Grille

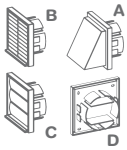
98mm to 125mm spigot



Cat. No.	Product Type	Size
1221L	Fixed Louvre	98-125mm
1222L	Gravity Shutter	98-125mm

Multi Fit Grilles

Dual fitting for Round and Rectangular Ducting



Cat. No.	Product Type	Size
41051	A-Fixed Louvre - dual fitting	100mm/4"
41011	B-Gravity Shutters - dual fitting	100mm/4"
41031	C-Cowled Outlet - dual fitting	100mm/4"
41052	D-Egg Crate - dual fitting	100mm/4"

Mushroom Cowl

Wall Outlet - Round Spigot

Cat. No.	Product Type	Size
41705	Cowled Outlet	100mm/4"

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 flyscreens with mechanical extract ventilation. It can reduce the fans performance by upto 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 dept.

Internal Door Ventilator

Plastic Fixed Vent

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

Circular Soffit Vent

Plastic Fixed Vent

Cat. No.	Product Type	Size
1860W	White	70mm
1860B	Brown	70mm

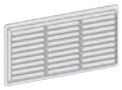
Ducting - Terminations

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
1800C	Chrome Plated Vent	250x81mm
1810C	Chrome Plated Vent	250x166mm
1820C	Chrome Plated Vent	250x250mm

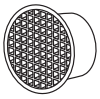
Fixed Louvre Vent



PVC Vent for Maximum Flow

Cat. No.	Product Type	Size
1830	Fixed Louvre Vent	250x81mm
1840	PVC Fixed Louvre Vent	250x166mm
1850	PVC Fixed Louvre Vent	250x250mm
1830C	Chrome Plated Fixed Louvre Vent	250x81mm
1840C	Chrome Plated Fixed Louvre Vent	250x166mm
1850C	Chrome Plated Fixed Louvre Vent	250x250mm

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"

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"

Extract Ventilation Pipes

Weathering Collar

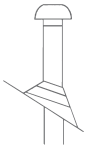
Cat. No.	Product Type	Size
1420	Extract Ventilation Pipes	110mm

Extract Cover

Roof Cowl for Extract Ventilation Pipes

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

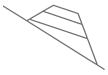
Through Roof Vent Kit



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
1380	110mm Angled 457x457	110mm
1390	110mm Flat 406x406	110mm

Weathering Slates - Aluminium



Cat. No.	Product Type	Size
1400	110mm Angled 457x457	110mm
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

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

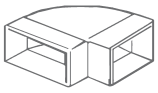
Ducting - Rectangular

Flat Channel Ducting

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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	
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

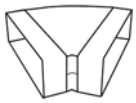
Rectangular Horizontal Bend with Female Fittings Suitable for above Kitchen cupboards



		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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	110x54mm	60	152	152	2.3	9.9	21	38	64	93	124	162
58500	150 x 70mm	-	-	-	-	-	-	-	-	-	-	-
55500	204 x 60mm	65	260	260	0.7	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



		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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	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	-	-	-	-			-			-	

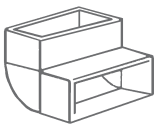
Adjustable Horizontal Bend

For connecting to Flat Channel Ducting

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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	-	-	-	-	-	-	-	-	-	-	-

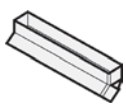
Vertical 90° Bend

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



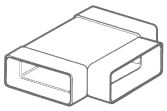
		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40600	110 x 54mm	95	115	95	3.3	15.5	36	61	96	138	190	253
58600	150 x 70mm	-	-	-	-	-	-	-	-	-	-	-
55600	204 x 60mm	115	210	115	1.1	2.5	5.2	9.8	16.1	24	33.6	45
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	-	-	-	-			-			-	

45° Vertical Bend



		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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	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	-	-	-	-			-			-	

Ducting - Rectangular

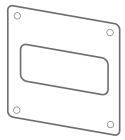


Horizontal T-Piece - Adaptor to Connect Flat Channel Ducting

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	204 x 60mm	204 x 60mm	vary on installation							
60955	220 x 90mm	220 x 90mm	vary on installation							

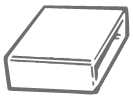
Cross Over Duct Connector

Cat No.	Product Type	External Dimensions (mm) H	W	D	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
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

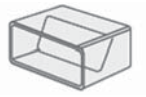
Cat. No.	Product Type	External Dimensions (mm) H	W	D	Resistance (Pa) at flow rate 8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
41150	154 x 154mm	154	154	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
58650	172 x 172mm	172	172	-	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
51150	119 x 264mm	119	264	-	n/a	n/a	n/a	n/a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



Flat Channel Connector

Cat. No.	Product Type	External Dimensions (mm) H	W	D	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
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	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) H	W	D	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
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
IJV204-45	Vertical 45° Bend Jacket	204 x 60mm	-	-	-	-	-	-	-	-
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
IJ204-45	45° Bend Jacket	204 x 60mm	-	-	-
IJ204-90	90° Bend Jacket	204 x 60mm	-	-	-
IJ220-90	90° Bend Jacket	220 x 90mm	-	-	-

Insulated T-Piece Bend

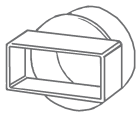
Cat. No.	Product Type	Size	Resistance (Pa) at flow rate 8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
IJTH55582	T-Piece	204 x 60mm	vary on installation							
IJH204	T-Piece Jacket	204 x 60mm	-	-	-	-	-	-	-	-

Ducting - Adaptors

Elbow 90° Bend M to F

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

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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	100mmØ to 110 x 54mm	90	115	140	3	8	17.7	33	49.9	74.5	101	137
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

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat. No.	Product Type	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

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	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

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	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	-	-	-	-	-	-	-	-	-	-	-

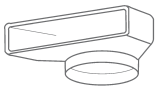
Circular Reducer

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

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	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	-	-	-	-	-	-	-	-	-	-	-

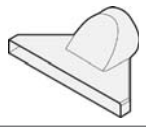
Rubber Spigot Adaptor - Adaptor to Connect Cookerhood Spigots

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	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
50519	120mm to 125mm	-	-	-	-	-	-	-	-	-	-	-



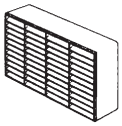
Plenum Cooker Hood/Fan - with Connector

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	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

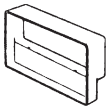
		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
40725	100mm to 225 x 25mm	-	-	-	-	-	-	-	-	-	-	-
40730	105mm to 300 x 25mm	-	-	-	-	-	-	-	-	-	-	-



Double Airbrick

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	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

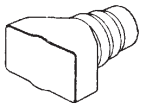
Ducting - Adaptors



Double Airbrick Adaptor to Rectangular Duct

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

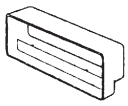
		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
60977	Double Airbrick Adaptor	-	-	-	-	-	-	-	-	-	-	-



Double Airbrick Adaptor to Round Duct

Fits 100/125/150mm Round Pipe

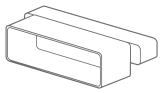
		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	H	W	D		60 l/s			120 l/s			180 l/s
60954	Double Airbrick Adaptor	-	-	-	-	-	-	-	-	-	-	-



High Performance Ducting Adaptor

Fits 125 Channel Ducting 220x90mm to High Performance Ducting

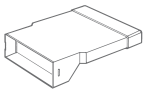
		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
60957	Adaptor	-	-	-	-	-	-	-	-	-	-	-



Airbrick Adaptor

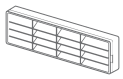
To connect Flat Channel Ducting and Airbrick Ventilators

		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	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

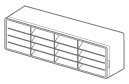
		External Dimensions (mm)			Resistance (Pa) at flow rate							
Cat No.	Product Type	H	W	D	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
1572	Fits Direct to Flat Channel	-	-	-	-	-	-	-	-	-	-	-
1573	Fits Direct to Flat Channel	-	-	-	-	-	-	-	-	-	-	-



Slimline Airbrick

			Resistance (Pa) at flow rate							
Cat. No.	Product Type	Size	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	-	-	-	-	-	-	-	-
45011	Vertical Louvre	110x54mm	-	-	-	-	-	-	-	-

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



Slimline Airbrick

Wall Outlet

			Resistance (Pa) at flow rate							
Cat. No.	Product Type	Size	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								

Slimline Airbrick with Internal Damper

			Resistance (Pa) at flow rate							
Cat. No.	Product Type	Size	8 l/s	13 l/s	21 l/s	29 l/s	37 l/s	45 l/s	53 l/s	61 l/s
58501	Horizontal Louvre	150x70mm	-	-	-	-	-	-	-	-
55501	Horizontal Louvre	204x60mm	-	-	-	-	-	-	-	-

Airbrick Adaptor

For use with Flat Channel Ducting and Slimline Air Bricks

			Resistance (Pa) at flow rate							
Cat. No.	Product Type	Size	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

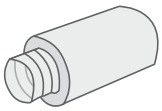
Ducting - Flexible

Aluminium Flexible Ducting

Aluminium Flexible Ducting Hose

Cat. No.	Product Type	Size
1015	380mm	100mm/4"
1000	1.5 metre	100mm/4"
1010	3 metre	100mm/4"
1016	380mm	120mm/5"
1011	1.5 metre	120mm/5"
1012	3 metre	120mm/5"
1300	380mm	150mm/6"
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

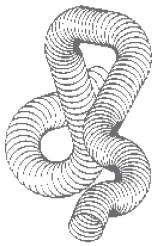
Cat. No.	Product Type	Size
1050	102mm Aluduct - 10 metre	100mm 4"
1060	127mm Aluduct - 10 metre	125mm 5"
1070	152mm Aluduct - 10 metre	150mm 6"
1071	200mm Aluduct - 10 metre	200mm 8"
1080	250mm Aluduct - 10 metre	230mm 9"
1090	315mm Aluduct - 10 metre	300mm 12"

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"

PVC Flexible Ducting

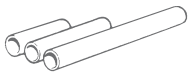


PVC Flexible Ducting Hose

Cat. No.	Product Type	Size
3761	1 metre	80mm/3"
3763	3 metre	80mm/3"
3766	6 metre	80mm/3"
37615	15 metre	80mm/3"
101025	1 metre	100mm/4"
1020	3 metre	100mm/4"
1024	6 metre	100mm/4"
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"
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"
10615	15 metre	150mm/6"
8781	1 metre	200mm/8"
8783	3 metre	200mm/8"
8786	6 metre	200mm/8"
87815	15 metre	200mm/8"

Ducting - Round

Round Pipes - PVC



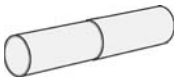
Cat. No.	Product Type	Size
41350	100mm - L350	100mm/4"
41500	100mm - L500	100mm/4"
41900	100mm - L1000	100mm/4"
41915	100mm - L1500	100mm/4"
42000	100mm - L2000	100mm/4"
51350	120mm - L350	120mm/5"
51500	120mm - L500	120mm/5"
51900	120mm - L1000	120mm/5"
51915	120mm - L1500	120mm/5"
52000	120mm - L2000	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



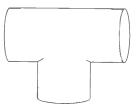
Cat. No.	Product Type	Size
TPIPE4	250mm to 450mm	100mm/4"
TPIPE5	250mm to 450mm	120mm/5"
TPIPE6	250mm to 450mm	150mm/6"

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"
515CD	Connector with Damper	120mm/5"
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"
10949	T Piece/Aluminium	230mm/9"
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"

90° Bend

Connectors for Round Pipe Systems

Cat. No.	Product Type	Size
44900	Connector/PVC/90°	100mm/4"
55900	Connector/PVC/90°	120mm/5"
66900	Connector/PVC/90°	150mm/6"

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
IJRP61915	1.5m Length	150mm
IJRP62000	2.0m Length	150mm
IJ100-1.5	1.5m Length Jacket	100mm
IJ125-1.5	1.5m Length Jacket	125mm
IJ150-1.5	1.5m Length Jacket	150mm
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
IJ100-45	45° PVC Bend Jacket	100mm
IJ100-90	90° PVC Bend Jacket	100mm
IJ125-45	45° PVC Bend Jacket	125mm
IJ125-90	90° PVC Bend Jacket	125mm
IJ150-90	90° PVC Bend Jacket	150mm

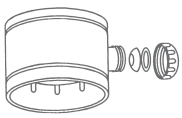
Insulated T-Piece

Cat. No.	Product Type	Size
IJTP44920	T-Piece	100mm
IJTP44930	T-Piece	125mm
IJTP44940	T-Piece	150mm
IJT100	T-Piece Jacket	100mm
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*	Condentsation Traps	110mm/4"
1450	Condentsation Traps	125mm/5"
1460	Condentsation Traps	150mm/6"

*If using with 100mm ventilation ducting, use adapter 40419.

Ducting - Accessories

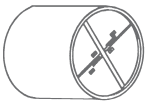
Flat Channel Clip

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



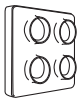
In-Line Backdraught Shutter

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"

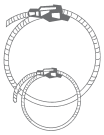
Intake/Extract Mounting Spigot

Cat. No.	Product Type	Size
1307	Inline Ducting Connector For WF230 Series	230mm
13071	Inline Ducting Connector For WF300 Series	300mm



4 Way Spigot Adaptor

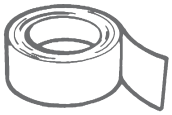
Cat. No.	Product Type	Size
1308	For Manrose 230mm Fans	230mm
13081	For Manrose 300mm Fans	300mm



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"



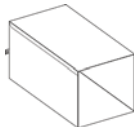
Tapes

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

Roof Cowl Termination Set

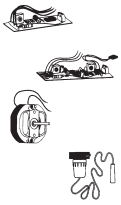
Cat. No.	Product Type	Size
1309	For Manrose 230mm Fans	230mm



Extension Sleeve

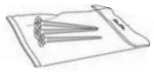
For walls from 380mm (15") to 533mm (21")

Cat. No.	Product Type
COMTK150ES	For 150 Series
COMTK230ES	For 230 Series
COMTK300ES	For 300 Series



Spares

Cat. No.	Product Type
1310	TDI Replacement Timer Boards
1320	HSB Replacement Humidity Timer Board and Sensor
1340	Replacement Pullcord switches
1345	Extra Long Pullcord switches

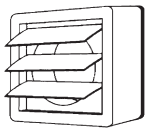


Extra Long Screws (55mm)

Cat. No.	Product Type
1370	For Fitting Window Fans in double glazed sealed units (3 per pack)
1374	For Fitting Window Fans in double glazed sealed units for 230mm (9") 300mm (12") double glazing screws

Ducting - Kits

Wall Outlets available in White, Grey, Brown, Terracotta & Cotswold Stone - Please state colour when ordering.



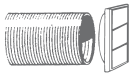
Window Vent Kits

Cat. No.	Product Type	Size
1269	Window Vent Kit for XF100 Fans Complete with External Backdraught Shutters	100mm/4"
12691	As above with Fixed Louvre Grille for XF100A Fans	100mm/4"
1267	Window Vent Kit for XF120 Fans Complete with External Backdraught Shutters	120mm/5"
12671	As above with Fixed Louvre Grille for XF120A	120mm/5"
1268	Window Vent Kit for XF150 Fans Complete with External Backdraught Shutters	150mm/6"
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
1300	for WF150 Series	150mm/6"
1301	for WF230 Series	230mm/9"
1299	for WF300 Series	300mm/12"

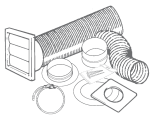


Wall Vent Kits

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"
1271	XFFK for XF120 range	120mm/5"
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.



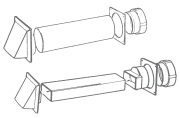
Tumble Dryer Venting Kit

With Gravity Grille

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

Indoor Tumble Dryer Vent Kit

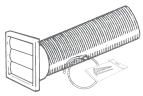
Cat. No.	Product Type	Size
41704	Tumble Dryer Kit	100mm/4"



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"



Cooker Hood - Venting Kit

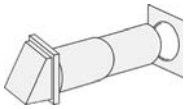
With Gravity Grille

Cat. No.	Product Type	Size
43076	Cooker Hood kit 100mm	100mm/4"
43077	Cooker Hood kit 120mm	120mm/5"
43078	Cooker Hood kit 150mm	150mm/6"

High Rise Installation Kit

With Round Cowl Outlet

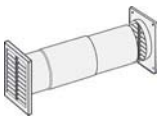
Cat. No.	Product Type	Size
72447	Round Pipe 100mm	100mm/4"



Telescopic Outlet Set

With Weatherproof Cowl

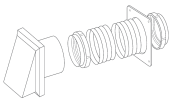
Cat. No.	Product Type	Size
7108	Round Pipe 250mm to 450mm	100mm/4"
7508	Round Pipe 250mm to 450mm	120mm/5"
7608	Round Pipe 250mm to 450mm	150mm/6"



Telescopic Return Air Box Set

With Fixed Grille

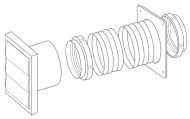
Cat. No.	Product Type	Size
7116	Round Pipe 250mm to 450mm	100mm/4"
7516	Round Pipe 250mm to 450mm	120mm/5"
7616	Round Pipe 250mm to 450mm	150mm/6"



Weatherproof Cowl Kit

1m Round Hose with Weatherproof Cowl

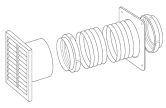
Cat. No.	Product Type	Size
7202	1m Round Hose kit	100mm/4"
7203	1m Round Hose kit	120mm/5"
7204	1m Round Hose kit	150mm/6"



Gravity Grille Kit

1m Round Hose with Gravity Grille

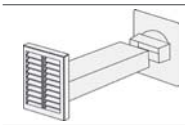
Cat. No.	Product Type	Size
7205	1m Round Hose kit	100mm/4"
7216	1m Round Hose kit	120mm/5"
7217	1m Round Hose kit	150mm/6"



Fixed Grille Kit

1m Round Hose with Fixed Grille

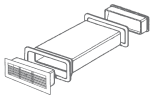
Cat. No.	Product Type	Size
7218	1m Round Hose kit	100mm/4"
7215	1m Round Hose kit	120mm/5"
7220	1m Round Hose kit	150mm/6"



Rectangular Return Air Box

With Fixed Louvre Grille

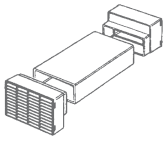
Cat. No.	Product Type	Size
7117	Rectangular 400mm	110x54mm



Rectangular Return Air Box

With Fixed Louvre Grille

Cat. No.	Product Type	Size
7511	Rectangular 400mm	204x60mm



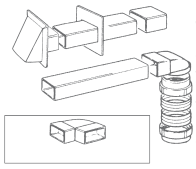
Rectangular Return Air Box

With Airbrick Outlet

Cat. No.	Product Type	Size
7917	with High performance 400mm Ducting	204x60mm

Ducting - Kits & Radial Systems

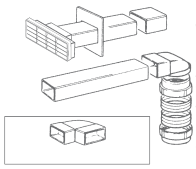
Wall Outlets available in White, Grey, Brown, Terracotta & Cotswold Stone - Please state colour when ordering.



Flat Channel Ducting Kit

With Weatherproof Cowl and Horizontal Bend

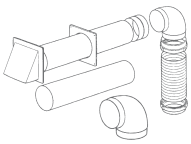
Cat. No.	Product Type	Size
7212	3m Flat Channel Ducting Kit	100mm/4"
7214	3m Flat Channel Ducting Kit with additional horizontal bend	100mm/4"



Flat Channel Ducting Kit

With Airbrick Outlet and Horizontal Bend

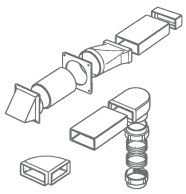
Cat. No.	Product Type	Size
7227	3m Flat Channel Ducting Kit	125mm/5"
7219	3m Flat Channel Ducting Kit with additional horizontal bend	125mm/5"



Round Pipe Ducting Kit

With Cowled Outlet & 90° Bend

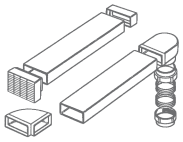
Cat. No.	Product Type	Size
72605	3m Round Pipe Ducting Kit	150mm/6"
72607	3m Round Pipe Ducting Kit with additional horizontal 90° bend	150mm/6"



High Performance Ducting Kit

Flat Channel Ducting Kit

Cat. No.	Product Type	Size
72650	3m Flat Channel Ducting Kit with Cowled Outlet	150mm/6"



High Performance Ducting Kit

Flat Channel Ducting Kit

Cat. No.	Product Type	Size
72653	3m Round Pipe Ducting Kit with Airbrick outlet	150mm/6"

90° Valve Elbow - Radial System

To connect the Circular Pipe to a supply or extract diffuser

Cat. No.	Product Type	Size
VE75	90° Valve Elbow	75mmØ
VE90	90° Valve Elbow	90mmØ

Circular Pipe - Radial System

For installation in concrete ceilings, suspended ceilings, installation walls, risers or frames

Cat. No.	Product Type	Size
SR7550	Circular Pipe 50m	75mmØ
SR9020	Circular Pipe 50m	90mmØ

Outlet Manifold - Radial System

To control the distribution of Circular Pipe and also to precisely regulate the airflow to each room

Cat. No.	Product Type
MANIFOLD5	Outlet Manifold 5 connections
MANIFOLD10	Outlet Manifold 10 connections

Reducer - Radial System

Cat. No.	Product Type
RFM160150	160mm (F) to 150mm (M)

Manifold Coupling - Radial System

To connect the Circular Pipe to the Manifold Outlet

Cat. No.	Product Type	Size
MC75	Manifold Coupling	75mmØ
MC90	Manifold Coupling	90mmØ

End Plug - Radial System

Cat. No.	Product Type	Size
EP75	End Plug	75mmØ
EP90	End Plug	90mmØ

O-Ring - Radial System

Cat. No.	Product Type	Size
OR75	O-Ring	75mmØ
OR90	O-Ring	90mmØ

Circular Extract Diffuser

Cat. No.	Product Type	Size
1251M	Circular Extract Diffuser	125mmØ

Circular Supply Diffuser

Cat. No.	Product Type	Size
1251MIT	Circular Supply Diffuser	125mmØ

Single Spigot Adaptor

Cat. No.	Size
SSA75	220x90 to 78Ø

Double Connector Plate

Cat. No.	Size
DCP75	220x90 to 78Ø

Single Connector Plate

Cat. No.	Size
SCP75	220x90 to 78Ø

Blank Plate

Cat. No.	Size
BP220	220x90

Reducer

Cat. No.	Size
RR75	120 to 78Ø

Ducting - Fire Stopping

Fire Seals

For Flat Channel Ducting & Round Pipes

Cat. No.	Product Type	Size
FS110D*	Fire seal	110mm
FS150D*	Fire seal	150mm
FS204D*	Fire seal	204mm
FS225D*	Fire seal	225mm
FS300D*	Fire seal	300mm

FSC110*	Fire Seal Cage	110mm
FSC150*	Fire Seal Cage	150mm
FSC204*	Fire Seal Cage	204mm
FSC225*	Fire Seal Cage	225mm
FSC300*	Fire Seal Cage	300mm

FCR110N*	Rectangular Fire Sleeves	110x54mm
FCR204N*	Rectangular Fire Sleeves	204x60mm
FCR220N*	Rectangular Fire Sleeves	225x25mm
FCR300*	Rectangular Fire Sleeves	300x25mm

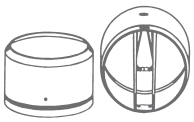
FCSC100N*	Round fire sleeves	100mm
FCSC125N*	Round fire sleeves	125mm
FCSC150N*	Round fire sleeves	150mm

FCR204X3	Fire Sleeve - 3 sided	204x60

Metal Valves & Metal Fire Valves*

Cat. No.	Product Type	Size
1250M	Metal Valves	100mm/4"
1251M	Metal Valves	125mm/5"
1260M	Metal Valve (available shortly)	150mm/6"
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.

Panel Heater with 24/7 timer options

Maniheat Heating Range

HP24TIMPH150T/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
- Slim and compact in size, only 57mm deep
- 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	HP24TIMPH150T	HP24TIMPH200T
Power	1500W	2000W
Colour	White	White
Heating setting	0.75kW & 1.5kW	1kW & 2kW
Heating area	18-20m^2	22-26m^2
Voltage	220V-240VAC	220V-240VAC
50/60Hz	50/60Hz	
Approval	CE, EMC, LVD, RoHS, REACH	CE, EMC, LVD, RoHS, REACH
Product size HxWxD	400x730x57mm	400x1267x57mm
Packaged size HxWxD	422x975x110mm	442x1312x110mm
Heater weight	6.8kg	8.7kg

Downflow Heater
Maniheat Heating Range

HDFHN HPFH & HCONH/T

- Powerful 2kW output
- Automatic safety cutout
- Pullcord operation
- Double insulated Class II appliance

Cat. No.	Product type
HDFHN	Standard Model

Additional Data

Rating kW	2
WxHxD	300x190x115mm
Weight kg	2.0

The Manrose Downflow Heater will deliver welcoming warmth when it's most needed in bathrooms and shower areas, as well as in other locations such as kitchens, conservatories and garages. IP24 rated.

Portable Fan Heater
Maniheat Heating Range

HPFH

- 3 speed fan
- Fan only mode for summer cooling
- 2 heat settings
- Safety cutout

Cat. No.	Product type
HPFH	Standard Model

Additional Data

Output kW	2

The Manrose Portable Fan Heater is a floor standing heater with 3 speed settings, fan only, 1kW and 2kW outputs. A variable thermostat. The unit comes complete with 13amp plug.

Convector Heater
Maniheat Heating Range

HCONH/T

- Silent operation
- Ideal for use where occasional heating is required
- 3 heat outputs
- Thermostatic control
- Safety thermal cutout
- BEAB Approved

Cat. No.	Product type
HCONH	Standard Model
HCONHT	Timer Model

Additional Data

Rating kW	2
WxHxD	520 x 335 x 107mm
Weight kg	3.0

The Manrose Convector Heater is ideal for use in any room where extra heating or occasional heating is required (not reommended for use in bathrooms). The Manrose Convector Heater is suitable for either domestic or commercial use and can be floor standing or wall mounted.

MANROSE®

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contact our Technical Department
Telephone: 01753 876941
Email: technical@manrose.com

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