

# MANROSE®



extraction fan selection guide  
[www.manrose.co.nz](http://www.manrose.co.nz)

# Regulations and Standards

## New Zealand Building Code and Healthy Homes

The following two category requirements have been established for mandatory extraction ventilation in New Zealand.

### The New Zealand Building Code for New Building Consents

The building regulatory system sets out a framework to promote good quality decisions being made during the Building Consent process. The legislation and regulations work together, as the building regulatory system. The functional clauses of the NZ Building Code are grouped and described by a letter and number. Clause G of the NZ Building Code covers services, with G4 setting out the performance requirements for ventilation. The Building Code is enshrined in law. The New Zealand Building Code, G4, has been changed. This is supported by Acceptable Solution G4/AS1 Fourth Edition that specifies mechanical ventilation in accommodation units that contain cooktops, showers and baths.

### Residential Tenancy Regulations to the Healthy Homes Standards

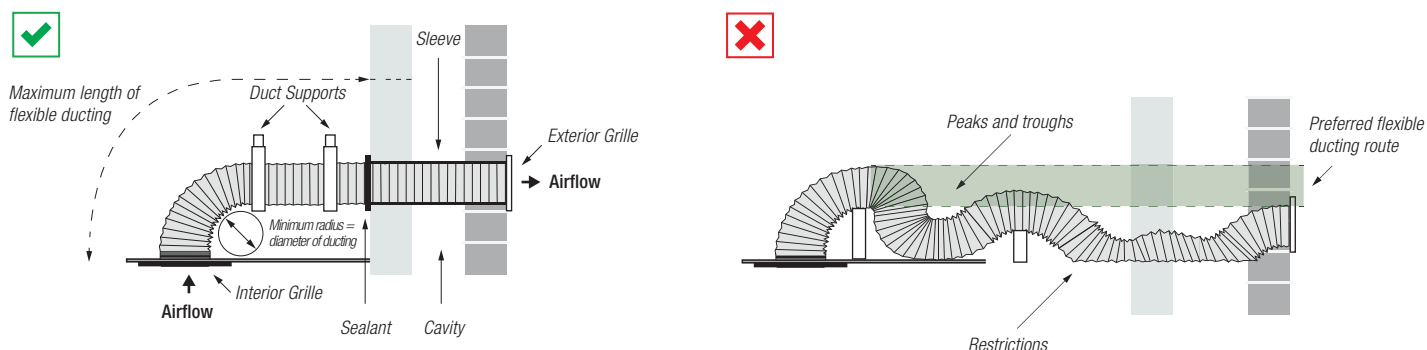
Residential Tenancy Regulations for rental properties only is changing to the Healthy Homes Standards, sub part 4 - Ventilation Standards.

### Complying with the Acceptable Solution G4/AS1

To comply, the mandatory mechanical extract system must deliver minimum airflow rates for the complete installed ventilation system. This means that airflow rates must deliver the airflow after resistance of the ducting, internal and external grilles, as well as all other accessories, such as backdraught shutters, are included.

Fan selection is important as some types are far better at overcoming ducting system pressure drops.

Additionally, the quality of the ducting system installation can be all important. Rigid duct systems are best as they are the most efficient. Good installation practice is vital for flexible duct systems.



## Choosing the Right Fan to Comply

Fans cannot be selected on the basis of free-air performance only. Fans must now be selected on the basis of the complete installed system performance for a designated room as per the table below.

Room	Airflow Rate (min.)	
	Intermittent	Continuous
Toilet <sup>1)</sup>	25 l/s	10 l/s
Bathroom/shower	25 l/s	10 l/s
Laundry <sup>2)</sup>	40 l/s	-
Kitchen	50 l/s	12 l/s

1) Toilets only require ventilation if they have no openable windows

2) Simx recommends 40 l/s for laundries with unvented non-condensing tumble dryers as covered in AS 1668: Part 2 2012

Recent unregulated extract fan practices in New Zealand has trended to basic, low pressure axial fan products, as installed system performance has not been defined for independent inspection testing and compliance signed off by local authorities.

## Fan Type Considerations

Determining the best fan requires consideration of location, sound levels and aesthetic appeal. Different fans suit different applications. The longer the duct run, the greater the pressure that is required to overcome the resistance created by the duct.

Low pressure is required for short run systems, such as through wall or window mounted fans, but far greater pressure is required for longer ducted systems and where the fan and ducting, with more bends, is installed in the roof cavity.

### Short Run Systems

As through wall and window mounted axial fans only have to extract air over a short distance, the installed system performance rates are only slightly lower than that of fan's free-air performance rate. Fan selection to ensure compliance for any room requirement is, therefore, a straightforward procedure. See page 8 for further information.

### Ducted Systems

The best solutions for ducted systems are centrifugal and mixed flow fans. These types of extraction fans are designed to develop the necessary pressure and resilience to overcome duct and grille system pressure-drop resistance. Axial inline fans are suitable for shorter duct runs, but will not be very forgiving when it comes to installation so care must be taken to ensure the best practice guidelines are followed.

Installed performance of a fan can, however, vary greatly dependent on the location, length of duct, number of bends and fittings such as backdraught shutters, cowls and grilles. For complete installed system performances to meet the standards, the following guidelines may be used as application limits dependent on best practice duct installation being employed along with the use of airflow efficient accessories such as grilles and backdraught shutters.

# Fan Selection Guidelines

## Ceiling Extraction Fans

The new Manrose CONTOUR range of centrifugal fans offers model options that easily exceed the New Zealand Building Code G4/AS1 requirements for that specific room installation. To make it even easier for correct product selection, Manrose Contour fans are identified by their intended application purpose.

### Selection Reference Guide

Toilet	Manrose Contour Toilet fan
Bathroom	Manrose Contour Bathroom fan
Laundry	Manrose Contour Kitchen and Laundry fan
Kitchen	Manrose Contour Kitchen and Laundry fan

Further, the Manrose CONTOUR fan range also includes the CONTOUR High Steam Area Fan for the more demanding applications and/or complete performance peace-of-mind.

### Toilet

25 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue
	2	Yellow	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue
	3	Yellow	Yellow	Yellow	Yellow	Blue	Blue	Blue	Blue	Blue	Blue
	4	Yellow	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	5	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue

*Toilets only require ventilation if they have no openable windows*



### Bathroom

25 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	2	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	3	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	4	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue
	5	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue

### Fan Selection

- Contour Toilet
- Contour Bathroom
- Countour Kitchen & Laundry

### Laundry

40 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	2	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	3	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	4	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	5	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green

*Simx recommends 40 l/s for laundries with unvented non-condensing tumble dryers*

### Kitchen

50 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	2	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	3	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	4	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green
	5	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green	Light Green

# Fan Selection Guidelines

## Inline Extraction Fans

The following chart provides an easy fan selection guide if good ducting system selection and installation best practices have been employed. This is to ensure compliance with the building code. An upgrade to the next available model is always recommended should more airflow be required.

### Selection Reference Guide

Toilet	Manrose Hyper150 EC axial fan for simple runs Manrose Mixflo 150 mixed flow fan for longer runs
Bathroom	Manrose Hyper150 EC axial fan for simple runs Manrose Mixflo 150 mixed flow fan for longer runs
Laundry	Manrose Mixflo 150 axial fan
Kitchen	Manrose Mixflo 150 or Manrose Blue Jet mixed flow fans for best efficiency/airflow or on long ducts

### Toilet

25 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
	2	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
	3	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
	4	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	5	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150

*Toilets only require ventilation if they have no openable windows*

### Bathroom

25 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
	2	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
	3	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
	4	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	5	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150

#### Fan Selection

- Hyper150 EC
- Mixflo 150
- Blue Jet

### Laundry

40 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	2	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	3	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	4	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	5	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150

*Simx recommends 40 l/s for laundries with unvented non-condensing tumble dryers*

### Kitchen

50 l/s

		Metres of Ducting									
		1	2	3	4	5	6	7	8	9	10
No. of Bends	1	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	2	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	3	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150
	4	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Mixflo 150	Blue Jet	Blue Jet	Blue Jet
	5	Blue Jet	Blue Jet	Blue Jet	Blue Jet	Blue Jet	Blue Jet	Blue Jet	Blue Jet	Blue Jet	Blue Jet

# Fan Selection Guidelines

## Through Wall and Window Fans

The following chart provides an easy fan selection guide for through wall or window fans to ensure compliance with the building code. An upgrade to the next available model is always recommended should more airflow be required.

### Selection Reference Guide

Toilet	125mm fan 150mm fan
Bathroom	125mm fan 150mm fan
Laundry	150mm fan
Kitchen	150mm fan

## Healthy Home Compliance

Application		Wall Fans			Through Wall Fan Kits			Window Fans
		Designer	Pro-Series	Classic	Designer	Pro-Series	Classic	Classic
Toilet	150mm	FAN7183	FAN0594	FAN0120	FAN7190	FAN0621	FAN0135	FAN0107
	125mm	FAN7180	FAN0589	FAN0072	FAN7187	FAN0614	FAN0080	-
Bathroom	150mm	FAN7183	FAN0594	FAN0120	FAN7190	FAN0621	FAN0135	FAN0107
	125mm	FAN7180	FAN0589	FAN0072	FAN7187	FAN0614	FAN0080	-
Laundry	150mm	FAN7183	FAN0594	FAN0120	FAN7190	FAN0621	FAN0135	FAN0107
Kitchen	150mm	FAN7183	FAN0594	FAN0120	FAN7190	FAN0621	FAN0135	FAN0107

## Continuous Ventilation

As an alternative to the traditional intermittent fans, the products shown below can be set as continuous running fans which provide a low level of trickle ventilation which runs constantly. These fans then have a boost facility via manual or automatic operation. These fans provide the most energy efficient and comfortable form of ventilation with low noise and excellent indoor air quality.



Genius



IntelliVent

See page 40 for more information on Genius and IntelliVent fans.

# Choose the Right Fan

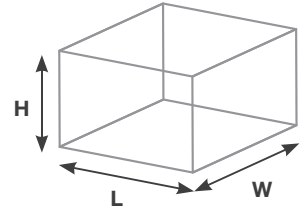
Extraction fans should be placed as close as possible to the steam source (e.g. over or near the shower). Inline fans are the most appropriate solution as the extraction grille can be placed directly above the steam source. Use following steps 1-7 as your guide to selecting the right fan for your application.

## 1. Calculate the Room Size

- Calculate the room volume in cubic metres (L x W x H) e.g. 2.8m x 2.6m x 2.4m = 17.47m<sup>3</sup>.
- Multiply the room volume by the following air changes per hour (ACH) for that room. Always use the higher limit.

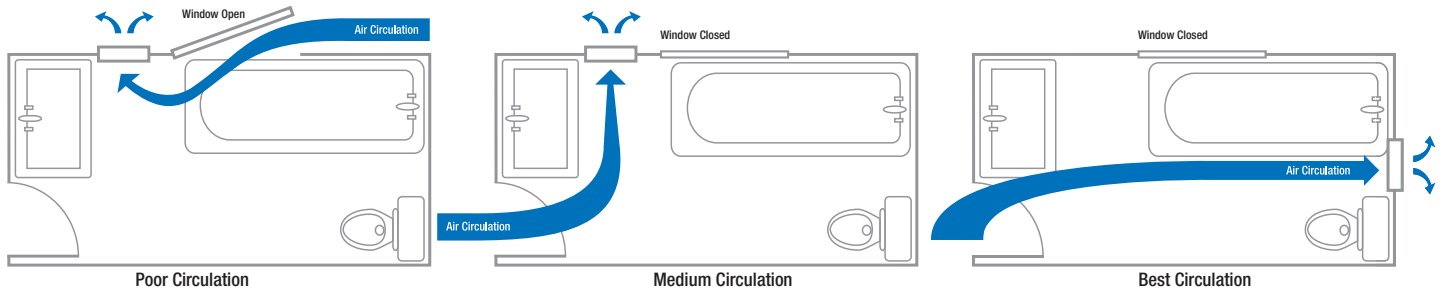
Toilets, cellars, offices	6-10 ACH
Bathrooms, showers, ensuites	11-15 ACH
Kitchens, laundries	11-15 ACH

- The result is the maximum airflow performance required in cubic metres per hour.



## 2. Consider the Location in the Room

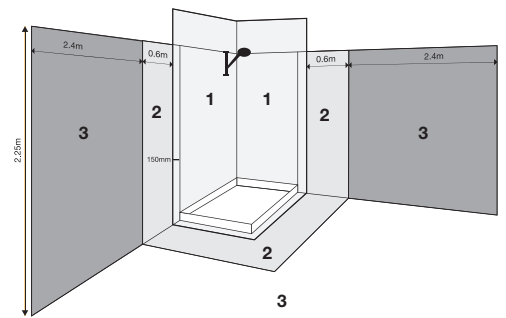
The right placement of an extraction fan will ensure optimum airflow through the bathroom. To ensure the fan works to its maximum efficiency, the extracted air needs to be replenished, or "made up", with an equal amount of dry air drawn in from an adjacent room or hallway. This make-up air replenishment may be assisted with the installation of a door grille (FAN0159).



## 3. Wet Area Zones & Recommended Fan Types

Wet area zones are determined by their proximity to the bath or shower. Use the wet area zone plan and table to identify what type of fan is required.

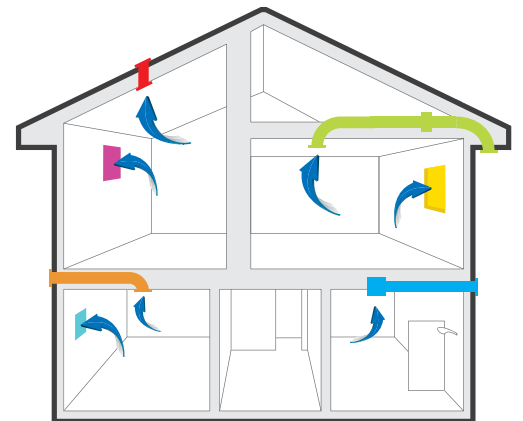
Zone	Description	Recommended Fan Type
1	Area immediately above the bath or shower tray up to the higher of either 2.25m or the height of the fixed plumbing connection	Safety extra low voltage or inline fans only
2	Area within 0.6m around the edge of the bath or shower tray	Any fan
3	Any area outside Wet Area Zones 1 & 2	Any fan



## 4. Select a Fan Type

From the list below select a fan type, then see the following sections to identify the model you require. Ensure the model you select has a performance (m<sup>3</sup>/h) greater than the performance calculated in step 1.

Fan Type	Application	Key
Inline Extraction Fans	Wet area zone 1	Green
Wall/Ceiling Fans	Wall and ceiling	Orange
Heat-Fan-Light Systems	Ceiling, multi-function	Blue
Inline Extraction Fan Kits	Wet area zone 1, integrated light	Light Green
Through Wall Fan Kits	Wall	Light Blue
Through Roof Fan Kits	Roof	Red
Safety Extra Low Voltage (SELV)	Wet area zone 1	Pink
Window Fans	Window	Yellow



## 5. Making Sure You Have the Best Airflow

With inline fans, the higher the maximum fan pressure, the further they can be ducted. Contour, Blue Jet or mixed flow fans provide the highest levels of airflow for longer duct runs with multiple bends.

## 6. Saving Energy

The best way of calculating the most efficient fan for your needs, is to compare the specific fan powers of each one selected. The fan with the lower watts per l/s, will use less energy. If a fan has similar specific fan power to another, but much higher pressure for ducted installations, it will still be the more efficient option.

Max. Fan Watt's (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance (l/s)	Free Air Fan Performance (m <sup>3</sup> /hr)	Specific Fan Power (W/l/s)	Sound dB(A)
25	60	101	364	0.25	40
20	35	36	130	0.56	41

## 7 Fan Switching Options

Option	Description	Option	Description
<b>Standard</b>	Remote switch	<b>PIR Control</b>	Motion sensor incorporated in fan
<b>Timer</b>	Remote switch with delayed OFF adjustable from 1-20 minutes	<b>Auto Sense</b>	Condition sensor incorporated in fan
<b>Pull Cord</b>	Integral pull cord switch on fan	<b>Variable Speed Controller</b>	Incorporated speed drive in fan

**MANROSE**<sup>®</sup>  
DESIGNER SERIES

**CONTOUR**  
FAN SYSTEMS

Setting the  
**Standards in Ventilation**  
Solutions



**Manrose Contour Fan Systems**

the new standard in powerful, stylish, easy to install, configurable extract systems

## Ceiling Extraction Fans - Centrifugal

CONTOUR fans deliver simple compliance with current New Zealand Building Code G4/AS1 mandatory mechanical extract ventilation system requirements. As well as providing application room specific performance, Contour **Toilet, Bathroom and Kitchen & Laundry** fans have a comprehensive range of stylish, interchangeable fascia to choose from. Even more challenging installs (i.e. complex duct runs and/or very high airflow requirement are catered for with the **High Steam Area** model.

CONTOUR Toilet Fan	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	100	Centrifugal	30	93	49	175	0.61	38	Range Selection (see below)	Standard	FAN7030
CONTOUR Bathroom Fan	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
	150	Centrifugal	45	147	77	276	0.58	40	Range Selection (see below)	Standard	FAN7031
CONTOUR Kitchen and Laundry Fan	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
	150	Centrifugal	50	210	105	378	0.48	42	Range Selection (see below)	Standard	FAN7032
CONTOUR High Steam Area Fan	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
	150	Centrifugal	106	220	153	550	0.69	42	Round White	Standard	FAN7033
									Square White	Standard	FAN7034

### Fascia Selections



Fan	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
 +								
<b>Toilet</b>	DCT4502	DCT4503	DCT4506	DCT4507	DCT4504	DCT4505	DCT4508	DCT4509
<b>Bathroom</b>	DCT4510	DCT4511	DCT4514	DCT4515	DCT4512	DCT4513	DCT4516	DCT4517
<b>Kitchen and Laundry</b>								



## Inline Extraction Fans - Mixed Flow

The Blue Jet fan incorporates powerful jet streaming technology and is driven by the energy efficient, brushless EC motor to deliver best-in-class airflow performance. A surface mounted variable speed control, and 10m control cable, is supplied along with a plug and lead for the fan. The Blue Jet fan is suitable for all residential applications. 5 year warranty.

The powerful MixFlo fans have been designed to produce higher working pressures for applications that require higher airflows with low relative noise levels. These large bore fans are designed for use with both rigid and flexible ducting. They offer two and half times the pressure of conventional axial fans and are dimensionally more compact making them ideal for many ducted applications. The impeller blade design with guide vanes provides optimum pressure characteristics. The fan can operate in both horizontal and vertical positions. Supported by a 4 year warranty or 30,000 continuous hours.


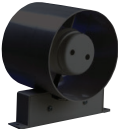

Designer BLUE JET	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)				
	150	Mixed Flow	40	490	165	594	0.24	60	Variable Speed Controller	FAN6960
Pro-Series MIXFLO 2 Speed	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)				
	150	Mixed Flow	70	300	166	597	0.42	47	Standard	FAN1006
			60	240	92	330	0.65	40	Plug & Lead	FAN1048
	125	Mixed Flow	40	220	89	320	0.45	43	Standard	FAN1005
			26	160	72	260	0.36	36	Plug & Lead	FAN1051
	100	Mixed Flow	40	180	69	250	0.58	40	Standard	FAN1004
			26	120	53	190	0.49	33	Plug & Lead	FAN1050

## Inline Extraction Fans - Axial

Axial fans create low pressure high volume airflows and are best suited for general purpose applications.

The Hyper150 EC axial fan is the trusted leader in bathroom extraction. Now with an EC motor, and other ongoing improvements, Hyper150 continues to lead the field. 7 year warranty.



Ceiling mounted Classic and Classic ECONOMY fans have a range of performance levels for short and efficient duct systems. 2 year warranty.

Classic HYPER150 EC	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)				
	150	Axial	18	91	105	380	0.17	38	Standard	FAN0085
Classic STANDARD	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)				
	150	Axial	25	60	87	313	0.29	40	Standard	FAN0090
									Timer	FAN0091
	125	Axial	20	35	42	153	0.48	41	Standard	FAN0060
									Timer	FAN0061
	100	Axial	20	25	23	85	0.87	41	Standard	FAN0012
									Timer	FAN0013
Classic ECONOMY	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
	150	Axial	25	50	64	230	0.39	40	Standard	FAN2078

## Inline Extraction Fans - Centrifugal 3 Speed

Centrifugal fans create high pressure airflows and are best suited for high pressure applications such as drying and air conditioning systems.




Suitable for a variety of domestic applications, these inline centrifugal 3 speed fans provide high performance at your pre-set choice of speed and can also be used for supply. 2 year warranty.

Classic 3 Speed	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)				
	150	Speed 1	41	225	86	310	0.48	30	Standard	FAN0921
		Speed 2	46	296	122	440	0.38	36		
		Speed 3	57	356	149	535	0.38	43		
WhisperVent 3 Speed	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
	150	Speed 1	41	225	86	310	0.48	30	Standard	FAN0830
		Speed 2	46	296	122	440	0.38	36		
		Speed 3	57	356	149	535	0.38	43		

## Inline Extraction Fans - Centrifugal

Centrifugal fans create high pressure airflows and are best suited for high pressure applications such as drying and air conditioning systems.


Suitable for a variety of domestic applications, these inline centrifugal fans provide high performance and can also be used for supply. 2 year warranty.

Classic High Performance	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)				
	150	Centrifugal	57	320	124	445	0.46	50	Standard	FAN0330
	100	Centrifugal	32	153	49	176	0.65	38	Standard	FAN0361
WhisperVent	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
	150	Centrifugal	80	305	124	445	0.65	43	Standard	FAN0829
Classic	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
	100	Centrifugal	20	120	31	110	0.65	45	Standard	FAN0326
									Timer	FAN0327

## Inline Extraction Fan Kits - CONTOUR Hyper150

These kits are designed so that the interior grille can be mounted directly above your steam source (e.g. shower or bath). The adapter unit is completed when fitted with a fascia from a comprehensive range of stylish, interchangeable options to choose from. 10W and 14W LED light panel fascia options include driver with quick connection 12V plug and pre-fitted 240V AC supply lead and plug.

A 150mm duct connecting ceiling plenum, with 90° ovalised moulded plastic elbow outlet and back-flow preventer for unimpeded airflow, is also available as a separate alternative option to the adapter unit. 5 year warranty.


Designer Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Fascia	Exterior Grille	Switching	Product Code
					(l/s)	(m³/hr)					
	150	Axial	18	91	105	380	0.17	Range Selection (see below)	White Fixed Louvre	Standard	FAN7044

### Fascia Selections (order separately)

Adapter Plate	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
								
	DCT4502	DCT4503	DCT4506	DCT4507	DCT4504	DCT4505	DCT4508	DCT4509
Ceiling Plenum (order separately)	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
								
DCT4501	DCT4502	DCT4503	DCT4506	DCT4507	DCT4504	DCT4505	DCT4508	DCT4509



## Inline Extraction Fan Kits without Lights

These kits are designed so that the interior grille can be mounted directly above your steam source (e.g. shower or bath). Kits with the low profile fascia are supplied with a choice of stylish grilles. Mixed flow fans provide users with a two fan speed option. 5 year warranty.

Pro-Series Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Fascia	Exterior Grille	Switching	Product Code
					(l/s)	(m³/hr)					
	150	Mixed Flow	70	300	166	597	0.42	Round White	Round White	Standard	FAN2051
	125	Mixed Flow	40	220	89	320	0.45	Round White	Round White	Standard	FAN2050
	100	Mixed Flow	40	180	69	250	0.58	Round White	Round White	Standard	FAN2049
	150	Axial	18	91	105	380	0.17	Round White and Square White	Weatherproof Cowl White and Fixed Louvre White	Standard	FAN0618
									Weatherproof Cowl White and Fixed Louvre White	Timer	FAN0619
	125	Centrifugal	20	120	39	140	0.51	Round White and Square White	Weatherproof Cowl White and Fixed Louvre White	Standard	FAN0616
									Weatherproof Cowl White and Fixed Louvre White	Timer	FAN0617
Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Fascia	Exterior Grille	Switching	Product Code
					(l/s)	(m³/hr)					
	150	Axial	18	91	105	380	0.17	Round White	Fixed Louvre White	Standard	FAN0101
									Fixed Louvre White	Timer	FAN0102
	125	Axial	20	35	42	153	0.48	Round White	Fixed Louvre White	Standard	FAN0064
									Fixed Louvre White	Timer	FAN0065
	100	Centrifugal	20	120	31	110	0.65	Round White	Fixed Louvre White	Standard	FAN0328
Fixed Louvre White									Timer	FAN0329	
	Axial	24	24	23	4	1.04	Round White	Fixed Louvre White	Standard	FAN0017	
									Timer	FAN0018	


## Inline Extraction Fan Kits with LED Lights

These high efficiency inline fans are designed to provide higher levels of extraction for larger bathrooms and the LED light adds light directly above your steam source (e.g. shower or bath). Mixed flow fans provide users with a two fan speed option. 5 year warranty.

Pro-Series Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (PA)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Fascia	Exterior Grille	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	18	91	105	380	0.17	Round White	Round White	Standard	FAN5375
								Round White	Round White	Timer	FAN5377
								Round Silver	Round White	Standard	FAN5376
	125	Centrifugal	20	120	39	140	0.51	Square White	Round White	Standard	FAN5899
								Square White	Round White	Timer	FAN5900
								Round White	Round White	Standard	FAN5379
125	Centrifugal	20	120	39	140	0.51	Round White	Round White	Timer	FAN5381	
							Round Silver	Round White	Standard	FAN5380	
Round Silver	Round White	Timer	FAN5382								
Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Fascia	Exterior Grille	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	18	91	105	380	0.17	Round White	Eggcrate White	Standard	FAN5369
										Timer	FAN5370
	125	Axial	20	35	36	130	0.56	Round White	Eggcrate White	Standard	FAN5371
										Timer	FAN5372
	100	Axial	20	120	31	110	0.65	Round White	Eggcrate White	Standard	FAN5373
										Timer	FAN5374


## Inline Extraction Fan Kits with Halogen Lights

These high efficiency inline fans are designed to provide higher levels of extraction for larger bathrooms and the halogen light adds light directly above your steam source (e.g. shower or bath). Mixed flow fans provide users with a two fan speed option. 5 year warranty.

Pro-Series Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (PA)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Fascia	Exterior Grille	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	18	91	105	380	0.17	Round White	Round White	Standard	FAN2033
								Round White	Round White	Timer	FAN2035
								Round Silver	Round White	Standard	FAN2034
	125	Centrifugal	20	120	39	140	0.51	Round White	Round White	Timer	FAN2031
								Round Silver	Round Silver	Timer	FAN2032
								Round Silver	Round Silver	Timer	FAN2032
Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Fascia	Exterior Grille	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	18	91	105	380	0.17	Round White	Eggcrate White	Standard	FAN0803
										Timer	FAN0804
	125	Axial	20	35	36	130	0.56	Round White	Eggcrate White	Standard	FAN2037
										Timer	FAN2038
	100	Centrifugal	20	120	31	110	0.65	Round White	Eggcrate White	Standard	FAN0420
										Timer	FAN0438


## Wall/Ceiling Fans

These efficient QUIET fans are designed for ultra-high airflow without nuisance noise for operation in either bathrooms or kitchens. 5 year warranty.

Designer QUIET	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)				
	150	Axial	22	138	114	328	0.19	41	Standard	FAN7183
									Timer	FAN7184
									Humidity Control*	FAN7185
	125	Axial	15	68	54	173	0.28	38	Standard	FAN7180
									Timer	FAN7181
									Humidity Control*	FAN7182


## Kitchen Fans

CUCINA is a powerful 2 boost speed centrifugal extraction fan with a washable metal grease filter. The installation selectable speeds are suitable for kitchens (high speed) or laundries (medium). The fan is G4 and Healthy Homes compliant for kitchen extract ventilation levels (when installed in through wall applications at kitchen boost level) and also has a low speed for long term trickle ventilation. A plate fascia and fine filter kit is also available as a front grille alternative for laundry installations.

Designer CUCINA	Duct (mm)	Fan Type	Fan Speed and Application		Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
			High	Medium			(l/s)	(m <sup>3</sup> /hr)				
	100	Centrifugal	High	Kitchen	60	236	73	263	0.82	52	Pull Cord	FAN7201
			Medium	Laundry	41	140	39	140	1.05	38		
			Plate Fascia and Fine Filter Kit <i>(order separately)</i>									
Replacement Washable Metal Grease Filter <i>(order separately)</i>											DCT4562	

## Through Wall Fans



IntelliVent fans are sensor operated complete with adjustable speed control and LED function indication. Easy access to the control panel provides for simple and exact adjustment of settings. Includes energy efficient DC motor. 5 year warranty.

Designer INTELLIVENT	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	100	DC Axial	8	21	37	134	0.22	21	Rectangle	Auto Sense Humidity	FAN5901
	125										
	100	DC Axial	8	21	37	134	0.22	21	Rectangle	Auto Sense Temperature	FAN6051
	125										

## Through Wall Fan Kits

These efficient QUIET fan kits have ultra-high airflow without nuisance noise and are designed to be ducted straight through a bathroom or kitchen exterior wall. All kits include a weatherproof cowl. 5 year warranty.

The GENIUS is the new generation of unitary fans. Following installation home owners automatically have a ventilation system offering a wide range of standard default operating settings which can be easily customised via an intuitive App. Includes energy efficient DC motor.

Designer QUIET	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	22	138	114	328	0.19	41	Square	Standard	FAN7190
										Timer	FAN7191
										Humidity Control*	FAN7192
	125	Axial	15	68	54	173	0.28	38	Square	Standard	FAN7187
										Timer	FAN7188
										Humidity Control*	FAN7189
Designer GENIUS	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
	100	DC Axial	4	30	30	108	0.13	17-20	Round	App Control	FAN6844

\* Available from early 2021

## Wall/Ceiling Fans


These axial fans are designed for easy installation and efficient operation. SELV (safety extra low voltage) models are designed for use in wet area zones 1, 2 and 3 and incorporate a 12V AC motor and a 12V AC isolating transformer. Auto shutter models have automated backflow prevention vanes. 5 year warranty.

Safety Extra Low Voltage (SELV)											
Pro-Series Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	20	60	101	364	0.19	40	Square	Standard	FAN5892
									Round	Standard	FAN5891
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5886
									Round	Standard	FAN5885
Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	20	60	101	364	0.19	40	Square	Standard	FAN5896
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5890
	100	Axial	20	20	23	85	0.87	41	Square	Standard	FAN5883
Auto Shutter											
Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Standard	FAN0121
										Pull Cord	FAN0122
										Timer	FAN0123
Standard											
Pro-Series Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	20	60	101	364	0.19	40	Square	Standard	FAN0594
									Round	Standard	FAN0609
									Square	Timer	FAN0595
									Round	Timer	FAN0610
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0589
									Round	Standard	FAN0604
									Square	Timer	FAN0590
									Round	Timer	FAN0605
Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	25	60	101	364	0.19	40	Square	Standard	FAN0120
										Pull Cord	FAN0126
										Timer	FAN0127
										PIR Control	FAN0124
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0072
										Pull Cord	FAN0074
										Timer	FAN0075
	100	Axial	20	20	23	85	0.87	41	Square	Standard	FAN0046
										Pull Cord	FAN0047
									Timer	FAN0048	


## Through Wall Fan Kits

These axial fan kits are easy to install and are designed to be ducted straight through an exterior wall. SELV (safety extra low voltage) fans are for use in wet area zones 1, 2 and 3 and incorporate a 12V AC motor and a 12V AC isolating transformer. Auto shutter models have automated backflow prevention vanes. All kits include a weatherproof cowl. 5 year warranty.


### Safety Extra Low Voltage (SELV)

Pro-Series Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	20	60	101	364	0.19	40	Square	Standard	FAN5894
									Round	Standard	FAN5893
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5887
									Round	Standard	FAN5888

Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	20	60	101	364	0.19	40	Square	Standard	FAN5895
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5889
	100	Axial	20	20	23	85	0.87	41	Square	Standard	FAN5882

### Auto Shutter

Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Standard	FAN0136
										Pull Cord	FAN0137
										Timer	FAN0138

### Standard

Pro-Series Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	20	60	101	364	0.19	40	Square	Standard	FAN0621
										Timer	FAN0623
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0614
										Timer	FAN0615


  

Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	25	60	101	364	0.19	40	Square	Standard	FAN0135
										Pull Cord	FAN0140
										Timer	FAN0141
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0080
										Pull Cord	FAN0082
										Timer	FAN0083
	100	Axial	20	20	23	85	0.87	41	Square	Standard	FAN0053
										Pull Cord	FAN0054
										Timer	FAN0055


## Window Fans

These axial fans are designed for installation situations where an existing window fan is being replaced or where there is no available external wall, or ceiling, space access. SELV fans are designed for use in wet area zones 1, 2 and 3 and incorporate a 12V AC motor and a 12V AC isolating transformer. Auto shutter models have automated backflow prevention vanes. 5 year warranty.


### Safety Extra Low Voltage (SELV)

Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	100	Axial	20	20	23	85	0.87	41	Square	Pull Cord	FAN5884


### Safety Extra Low Voltage (SELV) & Auto Shutter

Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Pull Cord	FAN5897

### Auto Shutter

Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Pull Cord	FAN0107
										Pull Cord Timer	FAN0109


### Standard

Classic Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	100	Axial	20	20	23	85	0.87	41	Square	Pull Cord	FAN0021

## Wall Fans - Internal

Internal wall fans are designed to move air efficiently over long distances with the centrifugal fan providing quiet operation.


### Standard

Classic Standard Profile Rectangular Fascia	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Fascia	Switching	Product Code
					(l/s)	(m <sup>3</sup> /hr)					
	100	Centrifugal	45	120	31	110	1.45	45	Rectangular	Standard	FAN0041




## Heat-Fan-Light Systems

These multi-function systems are designed to meet the higher operational demands of both small and large bathrooms. Fans incorporate a unique anti-condensate design and efficient heating system. All systems are supplied with duct, grille and wall switch.

4 & 2 Light Units								
Designer Low Profile	Duct	Fan Type	Max. Fan Watts (W)	Free Air Fan Performance		Heat Element	Fascia	Product Code
				(l/s)	(m <sup>3</sup> /hr)			
	150	2x Centrifugal	55	106	380	2 Level PTC 1100/2000W	White	FAN7020
							Black	FAN7021
	150	Centrifugal	1100	69	248	1 x 1000W Halogen	White	FAN6577
	150	Centrifugal	1080	99	356	1 x 1000W Halogen	White	FAN5876
Designer Low Profile	Duct	Fan Type	Max. Fan Watts (W)	Free Air Fan Performance		Heat Lamps	Fascia	Product Code
				(l/s)	(m <sup>3</sup> /hr)			
	125	Centrifugal	1138	84	303	4 x 275W	White	FAN6882
							Silver	FAN6883
	125	Centrifugal	588	75	270	2 x 275W	White	FAN6880
							Silver	FAN6881
Pro-Series Low Profile	Duct	Fan Type	Max. Fan Watts (W)	Free Air Fan Performance		Heat Lamps	Fascia	Product Code
				(l/s)	(m <sup>3</sup> /hr)			
	125	Centrifugal	1180	60	216	4 x 275W	White	FAN0995
	125	Centrifugal	635	50	180	2 x 275W	White	FAN0940
Classic Standard Profile	Duct	Fan Type	Max. Fan Watts (W)	Free Air Fan Performance		Heat Lamps	Fascia	Product Code
				(l/s)	(m <sup>3</sup> /hr)			
	100	Centrifugal	670	35	126	2 x 275W	White	FAN2162


## Heat-Light System

The Heat-Light system is designed to provide instant heat and additional lighting. A 150mm inline extraction fan kit, or Blue Jet fan and ducting combination can be added for a complete HEAT-FAN-LIGHT solution. 5 year warranty.


2 Light Units					
Classic Standard Profile	Duct (mm)	Max. Watts (W)	Heat Lamps	Fascia	Product Code
	100mm	650W	2 x 275W	White	FAN2200

# Through Roof Fan Cowls and Through Roof Fan Kits


## Through Roof Fan Cowls - Air Extraction

Classic	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m³/hr)				
	150	Centrifugal	70	320	153	550	0.46	62	Standard	FAN0529
	150	Centrifugal 3-Speed	70	320	153	550	0.46	62	Standard	FAN1002
	150	Axial	18	91	105	380	0.17	38	Standard	FAN0531


## Through Roof Fan Cowls - Air Supply

Classic	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m³/hr)				
	150	Axial	18	91	105	380	0.17	38	Standard	FAN0533


## Through Roof Fan Kits with Flashing & HDPE Tube - Air Extraction

Classic	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m³/hr)				
	150	Centrifugal	70	320	153	550	0.46	62	Standard	FAN0530
	150	Centrifugal 3-Speed	70	320	153	550	0.46	62	Standard	FAN0967
	150	Axial	18	91	105	380	0.17	38	Standard	FAN1060
	150	Axial	18	91	105	380	0.17	38	Standard	FAN0532


## Through Roof Fan Heavy Duty Kits with Flashing & HDPE Tube - Air Extraction

Classic	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m³/hr)				
	150	Centrifugal	70	320	153	550	0.46	62	Standard	FAN0740
	150	Axial	18	91	105	380	0.17	38	Standard	FAN0739

## Through Roof Fan Kits with Flashing & HDPE Tube - Air Supply

Classic	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m³/hr)				
	150	Axial	18	91	105	380	0.17	38	Standard	FAN0534

## Through Roof Fan Kits with Flashing for Metal Based Roof - Air Extraction

Classic	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m³/hr)				
	150	Centrifugal	70	320	153	550	0.46	62	Standard	FAN0535
	150	Axial	18	91	105	380	0.17	38	Standard	DCT0189

# Duct, Grilles and Accessories

## Ducting

### Aluminium Flexible Duct x 3m

150mm	DCT0330
125mm	DCT0329
100mm	DCT0328



### Acoustic Duct x 3m

150mm	DCT0633
125mm	DCT1164
100mm	DCT1216



### PVC Flexible Duct

150mm x 3m	DCT0338
125mm x 4m	DCT0337
100mm x 5m	DCT0336



### Semi-Rigid Duct x 3m

150mm	DCT0116
125mm	DCT0115
100mm	DCT0114



## Duct Accessories

### Inline Backdraught Shutters

150mm PVC	DCT0511
125mm PVC	DCT0036
100mm PVC	FAN0213



### Duct Joiners

150mm Metal	DCT0059
125mm Metal	DCT0037
100mm PVC	DCT0159



### Door Grille

Door Grille	FAN0159
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### Duct Connectors

Cable Ties - 150mm	FAN0282
Cable Ties - 125mm	FAN0281
Cable Ties - 100mm	FAN0274
Duct Tape - 48mm x 5m	DCT0173
Duct Tape - 48mm x 30m	DCT0807



## Interior Grilles/Soffit Grilles

### Low Profile Grilles - Round Plastic

150mm - Matte Black	DCT4401
150mm - Gloss White	DCT1067
125mm - Gloss White	DCT1090
100mm - Gloss White	DCT1089



### Low Profile Grilles - Square Plastic

150mm - Matte Black	DCT4259
150mm - Gloss Black	DCT4314
150mm - Gloss White	DCT2225
125mm - Gloss White	DCT2224
100mm - Gloss White	DCT2223



### Standard Profile Grilles - Round Plastic

150mm - Matte Black	DCT4257
150mm - Gloss Black	DCT4315



### Flat Face Grilles - Square Plastic

150mm - Matte Black	DCT4371
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### Eggcrate Grilles - White Plastic

150mm	DCT0473
125mm	DCT0472
100mm	DCT0375



## Exterior Grilles

### Weatherproof Cowls

(includes flap and bird mesh)

150mm - Matte Black Plastic	DCT4261
125mm - Matte Black Plastic	DCT4399
100mm - Matte Black Plastic	DCT4400
150mm - Gloss Black Plastic	DCT4316
150mm - Gloss White Plastic	DCT1031
125mm - Gloss White Plastic	DCT1030
100mm - Gloss White Plastic	DCT0018
150mm - Stainless Steel	DCT3616
125mm - Stainless Steel	DCT3615
100mm - Stainless Steel	DCT3614



### Gravity Shutter Grilles

150mm - Black Plastic	DCT4320
150mm - White Plastic	DCT0066
125mm - White Plastic	DCT0044
100mm - White Plastic	DCT0029
150mm - Stainless Steel	DCT2147
125mm - Stainless Steel	DCT2146
100mm - Stainless Steel	DCT2145



### Fixed Louvre Grilles - Square Plastic

150mm - Matte Black	DCT4373
125mm - Matte Black	DCT4429
100mm - Matte Black	DCT4428
150mm - Gloss Black	DCT4319
150mm - Gloss White	DCT0063
125mm - Gloss White	DCT0041
100mm - Gloss White	DCT0025



## Extraction Grilles

### Extraction Grilles - Round Plastic

150mm - Gloss White	DCT2187
125mm - Gloss White	DCT2186
100mm - Gloss White	DCT2185



## Roof Cowl Kits

### General Purpose with Flashing & HDPE Tube

150mm	DCT0172
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### General Purpose with Lead Flashing & HDPE Tube

150mm	DCT1095
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### Heavy Duty with Flashing & HDPE Tube

150mm	DCT0710
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## Fan Timers

### Timer - Fixed Run On Time (approx)

Fan On Time	Run On Time	Code
up to 5 mins	7 mins	FAN0372
over 5 mins	12 mins	



### Timer - Adjustable Run On Time & Start Delay

Fan On Time	Run On Time	Code
up to 5 mins	up to 20 mins	FAN2444



## Transformer

### SELV Isolating Transformer 12V AC

SELV Transformer	FAN0436
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# MANROSE®

Manrose leads the market in air movement and air extraction. Developed and designed to meet the specific application needs of the New Zealand market, Manrose fans perform to those exacting standards for the life of the product.

Manrose fans, fan kits and air movement accessories deliver elegance and innovation in reliable and durable solutions everytime.

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Dealers Details