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RECOMMENDED **MANROSE**® EXTRACTION PRODUCTS FOR POTENTIAL APPLICATIONS

There are four different levels of regulations and/or acceptable solutions for residential Bathrooms and Kitchens in New Zealand. These cascade down, in the table below, from the highest performance standard at the top, to the lowest at the bottom.

These standards are explained on the following pages. It is important to note that the Manrose product recommendations are guidelines, and responsibility for compliance remains with the installer, as the performance of the complete system is dependent on the quality of the installation practice used and is specific to each site. Manrose product packaging for these applications carries one of the four blue stamps shown below.

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**DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES
– BATHROOMS & KITCHENS**

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**DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES
– BATHROOMS**

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**DESIGNED FOR HEALTHY HOMES STANDARD
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**DESIGNED FOR HEALTHY HOMES STANDARD
- BATHROOMS**



New Zealand Building Code and Healthy Homes

The following two category requirements have been established for mandatory mechanical 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 NZ Building Code, G4 is supported by Acceptable Solution G4/AS1 Fifth Edition (effective 28 July 2025) that specifies mechanical ventilation in accommodation units that contain cooktops, showers and baths.

Residential Tenancy Regulations to the Healthy Homes Standards

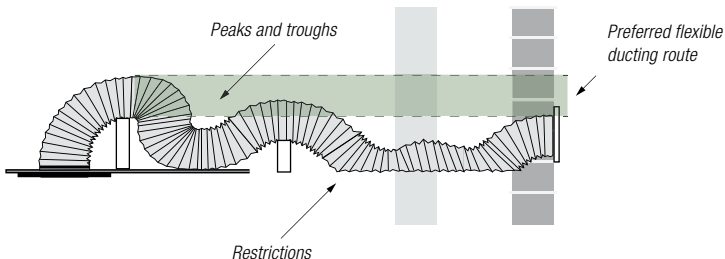
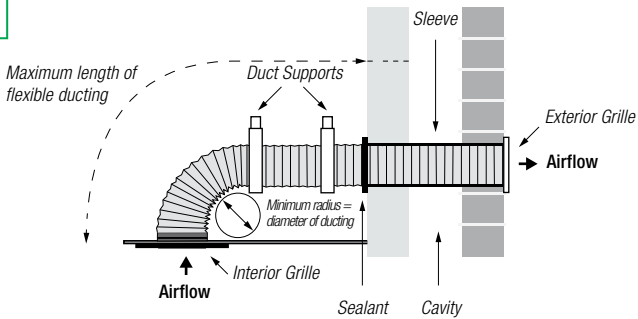
Residential Tenancy Regulations for existing rental properties are covered under the Healthy Homes Standards, subpart 4 - Ventilation Standards.

Complying with the Acceptable Solution G4/AS1 Fifth Edition (effective 28 July 2025)

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

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 (see page 125) are best as they are the most efficient. Good installation practice is vital for flexible duct systems.



Regulations and Standards

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.

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

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

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

With earlier unregulated extract fan practices in New Zealand, the market trended to basic, low pressure axial fan products, as installed system performance was not defined for independent inspection testing and compliance signed off by local authorities. This approach has changed under the latest mandatory regulations.

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 the fan's free-air performance rate. Fan selection to ensure compliance for any room requirement is, therefore, a straightforward procedure. See page 9 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 depending on the location, length of duct, number of bends and fittings such as backdraught shutters, cowls and grilles. For complete installed system performance 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.

Note: The Fifth Edition of G4 Ventilation Acceptable Solution G4/AS1 notes that intermittent extract fans "will not necessarily provide *adequate* ventilation for the whole occupied space". The referenced standard NZS4303:1990, Ventilation for acceptable indoor air quality, has an additional requirement for **living area ventilation of 0.35 air changes per hour but not less than 15 cfm (7.5 l/s) per person**. To achieve this, for new well-sealed houses, **Simx recommends continuous extract ventilation** from all wet rooms and passive air inlets in each living area.



Ceiling Extraction Fans - Manrose Contour Centrifugal Range

The 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 correct product selection even easier, Manrose Contour fans are identified by their intended application purpose.

Selection Reference Guide

Toilet	Manrose Contour Toilet fan - <i>FAN7030</i>
Bathroom	Manrose Contour Bathroom fan - <i>FAN7031</i>
Laundry	Manrose Contour Kitchen and Laundry fan - <i>FAN7032</i>
Kitchen	Manrose Contour Kitchen and Laundry fan - <i>FAN7032</i>

Further, the Manrose CONTOUR fan range also includes the CONTOUR High Steam Area Fans (FAN7033 & FAN7034) for the more demanding applications and/or complete performance peace-of-mind. See page 9 for details.

Toilet

25 l/s

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

Toilets only require ventilation if they have no openable windows



Bathroom

25 l/s

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

Fan Selection

- Contour Toilet - *FAN7030*
- Contour Bathroom - *FAN7031*
- Contour Kitchen & Laundry - *FAN7032*

Laundry

40 l/s

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

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

Kitchen

50 l/s

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



Fan Selection Guidelines

Inline Extraction Fans

The following chart provides easy fan selection guidelines, 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 for higher airflow rates and more complex installations. These are guideline recommendations to assist with fan selection for NZBC G4/AS1 compliance (Page 5).

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 duct runs

Toilet

25 l/s

Metres of Ducting

	1	2	3	4	5	6	7	8	9	10
No. of Bends	1	2	3	4	5	6	7	8	9	10
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	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
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	2	3	4	5	6	7	8	9	10
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	Hyper150 EC	Hyper150 EC	Hyper150 EC	Hyper150 EC
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	2	3	4	5	6	7	8	9	10
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	2	3	4	5	6	7	8	9	10
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 through wall and window fans listed in the following sections provide an easy fan selection guideline for Manrose through wall or window fans designed for the **New Zealand Building Code G4 Acceptable Solution** when best practice duct system selection and installation is used. An upgrade to higher pressure and free-air performance is always recommended for better results.

Fan Models with Simple Selection Reference Guidelines - to be used in conjunction with the following pages

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

Healthy Home Compliance - for Residential Tenancies rental properties only

Application	Wall/Ceiling Fans			Through Wall Fan Kits			Window Fans	
	Best	Better	Good	Best	Better	Good		
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

Continuous extraction fans offer more reliable ventilation compared to traditional intermittent fans and are quickly becoming the new standard across the industry. These fans run at a constant trickle rate with manual or automatic boost, and are typically more energy efficient, quieter, and comfortable than intermittent fans. While suitable for retrofits, continuous fans are the best solution for modern homes in modern, airtight homes.



Passive Ventilation

We recommend pairing continuous extraction fans with passive ventilation kits, particularly in modern homes. These allow relief air to be drawn into the home, improving the effectiveness of the extraction fan, while promoting airflow through other rooms.

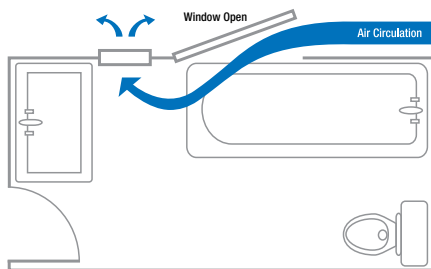


Fan Application Guidelines

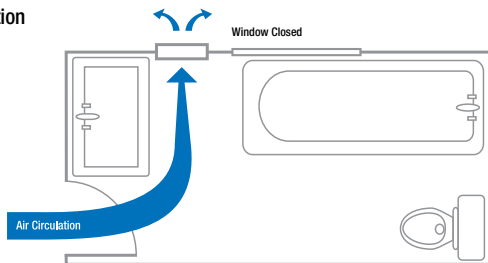
1. Consider the Location in the Room

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.

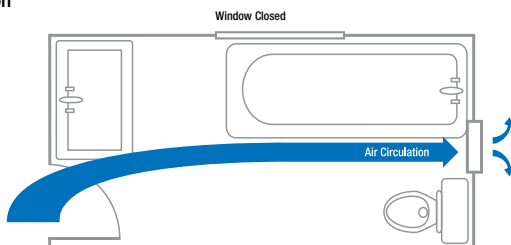
Poor Circulation



Medium Circulation

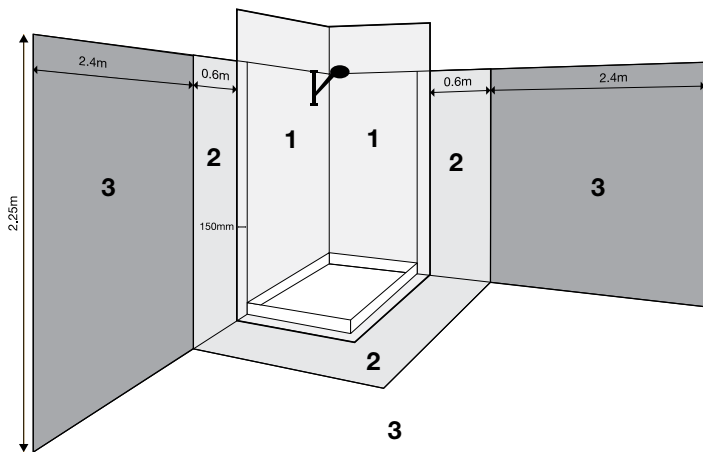


Best Circulation



2. 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 fans, inline fans, or Contour fans & fascias 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

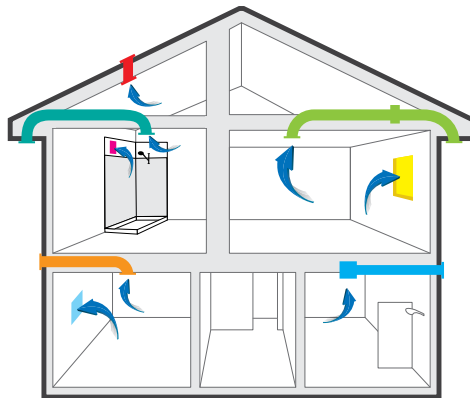


Fan Application Guidelines

3. Select a Fan Type

From the list below select a fan type, then see the following sections to identify the model you require.

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



4. Saving Energy

The best way of calculating the most energy 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 be the more efficient option.

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

5. Fan Switching Options

Option	Description
Standard	Remote wall switch
Timer	Remote switch with delayed OFF adjustable from 1-20 minutes
Pull Cord	Integral pull cord switch on fan
PIR Control	Motion sensor incorporated in fan
Auto Sense	Condition sensor incorporated in fan
Variable Speed Controller	Incorporated speed drive in fan
Humidity Automation	Humidity sensing and control incorporated in fan



DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS & KITCHENS



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 **Kitchen** and **Laundry** fans have a comprehensive range of stylish, interchangeable fascias to choose from.

EC CONTOUR High Steam Fan	Duct (mm)	Modes	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)	(m³/hr)					
	150	Centrifugal									
		Continuous (24/7)	3	33	39	140	0.08	21	Large Fascia Selection	Standard	FAN7038
		Run	25	270	121	434	-	40			
Boost	80	323	142	510	-	44					
CONTOUR DC Airbus High Steam Fan	Duct (mm)	Modes	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)	(m³/hr)					
	150	Centrifugal									
		Continuous (24/7)	4.5	18	22	80	0.2	23	Large Fascia Selection	Standard / Timer	FAN7541
		Standard	4.5-42	18-123	22-114	80-410	0.2-0.37	23-39			
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
					(l/s)	(m³/hr)					
	150	Centrifugal	106	220	153	550	0.69	42	Round White	Standard	FAN7033
									Square White	Standard	FAN7034
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
					(l/s)	(m³/hr)					
	150	Centrifugal	50	210	105	378	0.48	42	Large Fascia Selection	Standard	FAN7032

Fascia Selections

Fan	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
								
Large CONTOUR Fascias	DCT4710	DCT4711	DCT4714	DCT4715	DCT4712	DCT4713	DCT4716	DCT4717

*Large CONTOUR fascias compatible with: Kitchen and Laundry Fan (FAN7032), EC High Steam Fan (FAN7038), DC High Steam Fan (FAN7541).





DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS & KITCHENS

Inline Fans - Mixed Flow

The powerful inline MixFlo fans are high pressure, high airflow fans with low relative noise levels. Designed for use with both rigid and flexible ducting, they offer two and a half times the pressure of conventional axial fans and are typically more compact. 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.

A step above a standard MixFlo fan, the Blue Jet 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.

Torpedo DC MIXFLOW INLINE FAN	Duct (mm)	Modes	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	Standard	2.4-40	90-293	18-156	65-561	0.13-0.26	24-47	Standard / Timer	FAN1485
		Continuous	2.4	90	18	65	0.13	24		
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)	(m³/hr)				
	150	EC Mixed Flow	40	490	165	594	0.24	60	Variable Speed Controller	FAN6960
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)	(m³/hr)				
	150	Mixed Flow	70 60	300 210	166 92	597 330	0.42 0.65	47 40	Standard	FAN1006
									Plug & Lead	FAN1048



DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS & KITCHENS



Inline Fans - Axial

The proven standard for most New Zealand homes. Inline axial fans are highly reliable and suitable for almost any domestic application.

The Hyper150 EC axial fan is the trusted leader in bathroom extraction. With an EC motor and variable speed control with 10m control cable, Hyper150 continues to lead the field. 7 year warranty.

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)	(m³/hr)				
	150	EC Axial	18	91	105	380	0.17	38	Standard	FAN0085
	150	EC Axial	18	91	105	380	0.17	38	Variable Speed Controller**	FAN7000*

*All data for FAN7000 at full speed

** Euro flush-box for variable speed control switch – included

Inline Extraction Fan Kits - Hyper150 EC Contour Fascia-ready Kit

Kits are designed so the fascia-fitted adapter plate can be mounted directly above the steam source (eg: shower or bath). The adapter plate can be fitted with a separately ordered fascia from a comprehensive range of interchangeable round and square fascia options in either black or white (with or without 10W LED). 7 year warranty.

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	EC Axial	18	91	105	380	0.17	Range Selection (see below)	White Fixed Louvre	Standard	FAN7044

Fascia Selections (order separately)

Round				Square			
White	Black	LED White	LED Black	White	Black	LED White	LED Black
							
DCT4702	DCT4703	DCT4706	DCT4707	DCT4704	DCT4705	DCT4708	DCT4709





DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS & KITCHENS

Inline Extraction Fans Kits - MixFlo Contour Fascia-ready Kit

Kits are designed so the fascia-fitted adapter plate can be mounted directly above the steam source (eg: shower or bath). The adapter plate can be finished in style with a choice of separately ordered fascias from a comprehensive range of interchangeable round and square fascia options in either black or white (with or without 10W LED). 5 year warranty.

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	Mixed Flow	70 60	300 240	166 92	597 330	0.42 0.65	Range Selection (see below)	White Fixed Louvre	Standard	FAN7366

Fascia Selections (order separately)

Round				Square			
White	Black	LED White	LED Black	White	Black	LED White	LED Black
							
DCT4702	DCT4703	DCT4706	DCT4707	DCT4704	DCT4705	DCT4708	DCT4709

Inline Extraction Fan Kits without Lights

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

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 60	300 240	166 92	597 330	0.42 0.65	Round White	Weatherproof Cowl White and Fixed Louvre White	Standard	FAN2051
	150	EC Axial	18	91	105	380	0.17	Round White and Square White	Chateau Cowl White and Fixed Louvre White	Standard	FAN0618
										Timer	FAN0619
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	EC Axial	18	91	105	380	0.17	Round White	Fixed Louvre White	Standard	FAN0101
										Timer	FAN0102



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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 (eg: shower or bath). 5 year warranty.

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	EC Axial	18	91	105	380	0.17	Round White	Eggcrate White	Standard	FAN5369
										Timer	FAN5370

Inline Extraction Fan Kits with Halogen Lights

These high efficiency inline fans are designed to provide higher levels of extraction for larger bathrooms. Halogen light adds light directly above your steam source (eg: shower or bath). 5 year warranty.

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	EC Axial	18	91	105	380	0.17	Round White	Eggcrate White	Timer	FAN0804





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Extraction Fans - THROUGH WALL MOUNTED ONLY

These axial fans are designed for easy installation, low running noise and efficient operation. 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. 5 year warranty.

The new high-pressure and energy-efficient QUIET fans have ultra-high airflow without nuisance noise and are designed to be ducted straight through a bathroom or kitchen exterior wall. 5 year warranty.

Safety Extra Low Voltage (SELV)

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)	(m³/hr)					
	150	Axial	20	60	101	364	0.20	40	Square	Standard	FAN5892
									Round	Standard	FAN5891
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)	(m³/hr)					
	150	Axial	20	60	101	364	0.20	40	Square	Standard	FAN5896

Auto Shutter

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)	(m³/hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Standard	FAN0121
										Pull Cord	FAN0122
										Timer	FAN0123

Standard

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)	(m³/hr)					
	150	Axial	20	112	103	370	0.19	41	Square	Standard	FAN7183
										Timer	FAN7184
										Humidity Control	FAN7185
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)	(m³/hr)					
	150	Axial	20	60	101	364	0.20	40	Square	Standard	FAN0594
										Timer	FAN0595
										Standard	FAN0609
		Round								Timer	FAN0610
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)	(m³/hr)					
	150	Axial	25	60	101	364	0.25	40	Square	Standard	FAN0120
										Pull Cord	FAN0126
										Timer	FAN0127
										PIR Control	FAN0124



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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.

The new high-pressure and energy-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.

Safety Extra Low Voltage (SELV)											
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)	(m³/hr)					
	150	Axial	20	60	101	364	0.20	40	Square	Standard	FAN5894
									Round	Standard	FAN5893
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)	(m³/hr)					
	150	Axial	20	60	101	364	0.20	40	Square	Standard	FAN5895
Auto Shutter											
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)	(m³/hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Standard	FAN0136
										Pull Cord	FAN0137
										Timer	FAN0138
Standard											
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)	(m³/hr)					
	150	Axial	20	112	103	370	0.19	41	Square	Standard	FAN7190
										Timer	FAN7191
										Humidity Control	FAN7192
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)	(m³/hr)					
	150	Axial	20	60	101	364	0.20	40	Square	Standard	FAN0621
										Timer	FAN0623
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)	(m³/hr)					
	150	Axial	25	60	101	364	0.25	40	Square	Standard	FAN0135
										Pull Cord	FAN0140
										Timer	FAN0141





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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. 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) & Auto Shutter

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)	(m³/hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Pull Cord	FAN5897

Auto Shutter

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)	(m³/hr)					
	150	Axial	25	60	87	313	0.29	40	Square	Pull Cord	FAN0107
										Pull Cord Timer	FAN0109

Kitchen Fans

CUCINA is "a powerful centrifugal extraction fan with two boost speeds 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 continuous trickle ventilation. A plate fascia and fine filter kit is also available as a front grille alternative for laundry installations.

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
							(l/s)	(m³/hr)				
	100	Centrifugal	High Medium	Kitchen Laundry	60 41	236 140	73 39	263 140	0.82 1.05	52 38	Pull Cord	FAN7201
	Plate Fascia and Fine Filter Kit <i>(order separately)</i>											DCT4529
	Replacement Washable Metal Grease Filter <i>(order separately)</i>											DCT4562



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Through Roof Fan Cowl and Through Roof Fan Kits

High quality aluminium cowl construction with fan incorporated. 2 year warranty.

Through Roof Fan Cows - Air Extraction

Through Roof Fan Cowl	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	Cowl Colour	Product Code
					(l/s)	(m³/hr)					
	150	Centrifugal	70	320	153	550	0.46	62	Standard	Silver	FAN0529
										Black	FAN1520
		Centrifugal 3-Speed	70	320	153	550	0.46	62	Standard	Silver	FAN1002
		EC Axial	18	91	105	380	0.17	38	Standard	Silver	FAN0531
										Black	FAN1521

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

Through Roof Fan Cowl Kit	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	Cowl Colour	Product Code
					(l/s)	(m³/hr)					
	150	Centrifugal	70	320	153	550	0.46	62	Standard	Silver	FAN0530
										Black	FAN1522
		Centrifugal 3-Speed	70	320	153	550	0.46	62	Standard	Silver	FAN0967
		EC Axial	18	91	105	380	0.17	38	Standard	Silver	FAN0532
										Black	FAN1523

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

Through Roof Cowl Kit	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	Cowl Colour	Product Code
					(l/s)	(m³/hr)					
	150	Centrifugal	70	320	153	550	0.46	62	Standard	Silver	FAN0740
	150	EC Axial	18	91	105	380	0.17	38	Standard	Silver	FAN0739

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

Through Roof Fan Kit	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	Cowl Colour	Product Code
					(l/s)	(m³/hr)					
	150	Centrifugal	70	320	153	550	0.46	62	Standard	Silver	FAN0535
		EC Axial	18	91	105	380	0.17	38	Standard	Silver	DCT0189





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External Wall Fans

External wall fans are designed for use in residential and light commercial applications where a high performance, low noise solution is required. Three speed models enable further flexibility in a variety of applications, include apartments, or any location where space is limited.

Standard

Classic	Duct (mm)	Fan Type	Scroll Dia. (mm)	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	80	73	263	0.66	48	Standard	FAN2303
		Centrifugal	190	64	280	109	392	0.60	60	Standard	FAN2301
		Centrifugal	220	97	380	118	423	0.81	61	Standard	FAN2302

3 Speed

Classic Standard Profile	Duct (mm)	Fan Type	Scroll Dia. (mm)	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 High Medium Slow	190	64	280	113	408	0.58	60	Standard	FAN2316
				57	250	94	340	0.61	56		
				55	200	77	277	0.71	46		
		Centrifugal High Medium Slow	220	96	385	152	548	0.71	61	Standard	FAN2317
				69	340	113	408	0.61	56		
				60	280	94	340	0.64	50		



DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS



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** and **Bathroom** fans have a comprehensive range of stylish, interchangeable fascias to choose from.

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
					(l/s)	(m³/hr)					
	150	Centrifugal	45	147	77	276	0.58	40	Large Fascia Selection	Standard	FAN7031
EC 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
					(l/s)	(m³/hr)					
	125	Centrifugal	3	20	26	93	0.12	28	Small Fascia Selection	Standard	FAN7037
		Continuous (24/7)	14	73	55	200	-	30			
		Boost	24	116	68	245	-	37			
CONTOUR AIRBUS DC 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
					(l/s)	(m³/hr)					
	150	Centrifugal	4	19	22	80	0.2	23	Small Fascia Selection	Standard / Timer	FAN7540
		Continuous	4-15	21-118	22-58	80-210	0.2-0.26	22-32			
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)	(m³/hr)					
	100	Centrifugal	30	93	49	175	0.61	38	Small Fascia Selection	Standard	FAN7030

Fascia Selections

Fan	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
 +								
Small CONTOUR Fascia*	DCT4702	DCT4703	DCT4706	DCT4707	DCT4704	DCT4705	DCT4708	DCT4709
Large CONTOUR Fascia**	DCT4710	DCT4711	DCT4714	DCT4715	DCT4712	DCT4713	DCT4716	DCT4717

*Small CONTOUR Fascias compatible with: Toilet Fan (FAN7030), EC Bathroom Fan (FAN7037), DC Bathroom Fan (FAN7540).

**Large CONTOUR Fascias compatible with: Bathroom Fan (FAN7031).





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Inline Fans - Mixed Flow

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 a 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.

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)	(m³/hr)				
	125	Mixed Flow	40	220	89	320	0.45	43	Standard	FAN1005
			26	160	72	260	0.36	36	Plug & Lead	FAN1051

Torpedo DC	Duct (mm)	Modes	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)				
	100	Standard	10-28	10-210	19-67	68-240	0.42-0.53	29-37	Standard / Timer	FAN1484
		Continuous	10	10	19	68	0.53	29		

Inline Fan - Axial

Axial fans create low pressure, high volume airflows and are best suited for general purpose applications. Enables fan mounting away from the occupied space, reducing system noise.

Momentum DC	Duct (mm)	Modes	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	Standard	10-14	20-99	25-83	90-300	0.17-0.4	26-44	Standard / Timer	FAN1483
		Continuous	10	20	25	90	0.4	26		

Inline Extraction Fan Kits without Lights

This kit is designed so that the interior grille can be mounted directly above your steam source (eg: shower or bath). A low profile fascia is supplied with a choice of stylish grilles. Mixed flow fans provide users with a two fan speed option. 5 year warranty.

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)					
	125	Mixed Flow	40	220	89	320	0.45	Round White	Weatherproof Cowl White and Fixed Louvre White	Standard	FAN2050



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Extraction Fans - THROUGH WALL MOUNTED ONLY

These axial fans are designed for easy installation and efficient operation. 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. 5 year warranty. The new high-pressure and energy-efficient QUIET fans have ultra-high airflow without nuisance noise and are designed to be ducted straight through a bathroom or kitchen exterior wall. 5 year warranty.

Safety Extra Low Voltage (SELV)

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)	(m³/hr)					
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5886
									Round	Standard	FAN5885
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)	(m³/hr)					
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5890

Standard

Edge DC	Duct (mm)	Modes	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	Standard	14	48	64	230	0.22	40	Square	Standard / Timer	FAN1481
		Continuous	2	16	25	90	0.08	24			
Vent-Axia dMEV C	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
	125	EC Axial	6	77	l/s	m³/hr	0.08	8.5 - 37.9	Round	Humidity Control	498098
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	m³/hr	W/l/s				
	125	Axial	15	68	54	194	0.28	38	Square	Standard	FAN7180
										Timer	FAN7181
										Humidity Control	FAN7182
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	m³/hr	W/l/s				
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0589
										Timer	FAN0590
									Round	Standard	FAN0604
										Timer	FAN0605
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	m³/hr	W/l/s				
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0072
										Pull Cord	FAN0074
										Timer	FAN0075





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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.

The new high-pressure and energy-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.

Safety Extra Low Voltage (SELV)

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)	(m³/hr)					
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5887
									Round	Standard	FAN5888
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)	(m³/hr)					
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN5889

Standard

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)	(m³/hr)					
	125	Axial	15	68	54	194	0.28	38	Square	Standard	FAN7187
										Timer	FAN7188
										Humidity Control	FAN7189
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)	(m³/hr)					
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0614
										Timer	FAN0615
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)	(m³/hr)					
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0080
										Pull Cord	FAN0082
										Timer	FAN0083



DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS



Through Wall Fan Kits - Intelligent Sensing Automation FOR CONTINUOUS OPERATION COMPLIANCE ONLY

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.

The GENIUS is part of the new generation of unitary fans. Following installation, homeowners 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.

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)	(m³/hr)					
	125	DC Axial	5	21	37	134	0.22	21	Rectangle	Humidity	FAN5901
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
					(l/s)	(m³/hr)					
	100	DC Axial	4	30	30	108	0.13	17-20	Round	Humidity Occupancy App Control	FAN6844

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.

Low Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heating	Fascia	Order Code
					(l/s)	(m³/hr)			
	150	2 x Centrifugal	2115	145	106	380	1 x 2000W PTC	White	FAN7020
								Black	FAN7021
	150	Centrifugal	1100	146	99	356	1 x 1000W Halogen	White	FAN5876
	150	Continuous	1200	13	32	115	4 x 275W Heat Globes	White	HEA4W-B
		Standard		187	121	436			
	150	Continuous	600	11	32	115	2 x 275W Heat Globes	White	HEA2W-B
		Standard		188	121	436			
	125	Centrifugal	2100	115	92	330	2 Level PTC 1400W /2000W	White	FAN7291





DESIGNED FOR HEALTHY HOMES STANDARD BATHROOMS & KITCHENS

Inline Fans - Centrifugal

Centrifugal fans create high pressure airflows and are best suited for high pressure applications such as drying and air conditioning systems. 2 year warranty.

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)	(m³/hr)				
	150	Centrifugal	57	320	124	445	0.46	50	Standard	FAN0330



DESIGNED FOR HEALTHY HOMES STANDARD BATHROOMS



Inline Fans - Mixed Flow

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 a 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.

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)	(m³/hr)				
	100	Mixed Flow	40 26	180 120	69	250	0.58	40 33	Standard	FAN1004
					53	190	0.49		Plug & Lead	FAN1050

Inline 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 3 speed fans provide high performance at your pre-set choice of speed and can also be used for supply. 2 year warranty.

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)	(m³/hr)				
	100	Centrifugal	32	153	49	176	0.65	38	Standard	FAN0361

Inline Fans - Axial

Axial fans create low pressure, high volume airflows and are best suited for general purpose applications. Enables fan mounting away from the occupied space, reducing system noise.

Momentum DC	Duct (mm)	Modes	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)				
	100	Standard	6-7	72	22-33	80-120	0.21-0.27	30-38	Standard / Timer	FAN1482
		Continuous	6	42	22	80	0.27	30		



DESIGNED FOR HEALTHY HOMES STANDARD BATHROOMS



Inline Extraction Fan Kits without Lights

These kits are designed so that the interior grille can be mounted directly above your steam source (eg: 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.

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)					
	100	Mixed Flow	40 26	180 120	69	250	0.58	Round White	Weatherproof Cowl White and Fixed Louvre White	Standard	FAN2049
					53	190	0.49				
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)					
	125	Axial	20	35	36	130	0.56	Round White	Fixed Louvre White	Standard	FAN0064
										Timer	FAN0065
	100	Centrifugal	20	120	31	110	0.65	Round White	Fixed Louvre White	Standard	FAN0328

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 (eg: shower or bath). 5 year warranty.

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)					
	125	Axial	20	35	36	130	0.56	Round White	Eggcrate White	Standard	FAN5371
										Timer	FAN5372

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 (eg: shower or bath). 5 year warranty.

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)					
	125	Axial	20	35	36	130	0.56	Round White	Eggcrate White	Standard	FAN2037



DESIGNED FOR HEALTHY HOMES STANDARD BATHROOMS



Heater-Fan-Light Systems

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

Low Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heating	Fascia	Order Code
					(l/s)	(m³/hr)			
	150	Centrifugal	1100	171	104	373	1 x 1000W Halogen	White	FAN6577

Heat-Fan-Light Systems

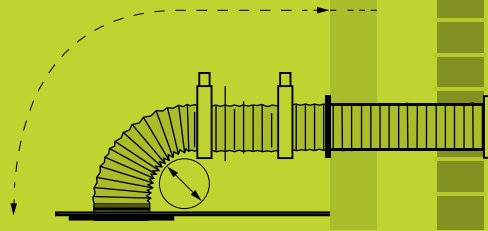
These multi-function systems are designed to meet the higher operational demands of both small and large bathrooms. Fans incorporate a unique anti-condensate design and efficient heating system. All systems are supplied with duct, grille and wall switch.

SATIN Low Profile	Duct	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heat Lamps	Fascia	Product Code
					(l/s)	(m³/hr)			
	125	Centrifugal	1138	80	76	273	4 x 275W	White	FAN6882
								Silver	FAN6883
	125	Centrifugal	588	71	75	270	2 x 275W	White	FAN6880
								Silver	FAN6881
Low Profile	Duct	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heat Lamps	Fascia	Product Code
					(l/s)	(m³/hr)			
	125	Centrifugal	1180	83	60	216	4 x 275W	White	FAN0995
	125	Centrifugal	620	79	50	180	2 x 275W	White	FAN0940



MANROSE®

CHOOSING THE RIGHT FAN TO COMPLY



STEP 1 Airflow requirements

At a minimum, your extraction system must comply with **G4/AS1** of the **NZ Building Code**. However, for the best outcomes, particularly for larger rooms, higher airflow rates and continuous fans may be required.

Room	Airflow Rate (min.)	
	Intermittent	Continuous
Toilet ⁽¹⁾	25 l/s	10 l/s
Bathroom/ Shower	25 l/s	10 l/s
Laundry ⁽²⁾	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

STEP 2 Duct system size and layout

Consider how long your duct runs are, how many bends are included, the type of ducting used, and any additional components (grilles, cowls, backdraught shutters). Longer runs, bends, and poorly designed components can significantly reduce the airflow of a ventilation system.

What influences system performance?

HIGH	• Duct installation • Duct length • Bends
MODERATE	• Duct type • Grilles
LOW	• Cowls • Backdraught shutters

STEP 3 Fan selection

Once you understand the airflow needed, and how ducting layout can reduce airflow, you are finally ready to pick a fan. If you have a long duct run with lots of bends, you'll need a more powerful fan. If you have a shorter run, you'll need a less powerful fan.

To make it easy for you, we've attached handy stickers to our packaging that indicate which standard the fan is designed to meet.



If you want a recommendation, the Manrose DC Contour range is powerful enough to meet the G4 requirements for most long and complex installations. Manrose DC Contour fans are more forgiving of long duct runs and bends, making them ideal for everyday installs and more challenging applications where you need to be reassured that good airflow will be achieved under pressure.

CONTOUR DC
AIRBUS CONTINUOUS FAN SYSTEM



FAN7541
High Steam
Designed for
Bathrooms and
Kitchens



FAN7540
Bathroom
Designed for Bathrooms

STEP 4 Airflow path

Lastly, you need to ensure there is adequate make-up air for the extraction ventilation system. This is usually achieved by providing passive air inlets, sufficiently sized under-door clearances, or door relief grilles. Make-up air is very important. If you do not allow air to enter the room, the fan will still operate, but extraction will be limited.



MANROSE®

CONTOUR

EXTRACTION FAN SYSTEMS

THE NEW STANDARD FOR MODERN HOMES



CONTOUR **DC**

AIRBUS CONTINUOUS FAN SYSTEM



Find more info on page 34

EC CONTOUR

CONTINUOUS FAN SYSTEMS



Find more info on page 34

CONTOUR

Ceiling Extraction Fan



Find more info on page 32

Contour Fan Systems

Some of our most powerful, stylish, easy to install, configurable extract systems.

Fascia Selection



Ceiling Extraction Fans – Centrifugal

Manrose 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 fascias to choose from.

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	Order Code
					(l/s)	(m³/hr)					
	100	Centrifugal	30	93	61	219	0.49	38	Range Selection	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	Order Code
					(l/s)	(m³/hr)					
	150	Centrifugal	45	152	80	287	0.56	40	Range Selection	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	Order Code
					(l/s)	(m³/hr)					
	150	Centrifugal	50	163	96	344	0.52	42	Range Selection	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	Order Code
					(l/s)	(m³/hr)					
	150	Centrifugal	106	183	108	389	0.98	42	Round White	Standard	FAN7033
									Square White	Standard	FAN7034

- Fitted lead and plug
- Integrated backdraught shutter
- Deep spigot for easy duct connection
- Swing-out arms for easy installation

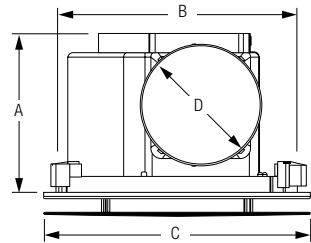
Fascia Selections

Fan	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
								
Toilet	DCT4702	DCT4703	DCT4706	DCT4707	DCT4704	DCT4705	DCT4708	DCT4709
Bathroom	DCT4710	DCT4711	DCT4714	DCT4715	DCT4712	DCT4713	DCT4716	DCT4717
Kitchen and Laundry								



Dimensions (mm)

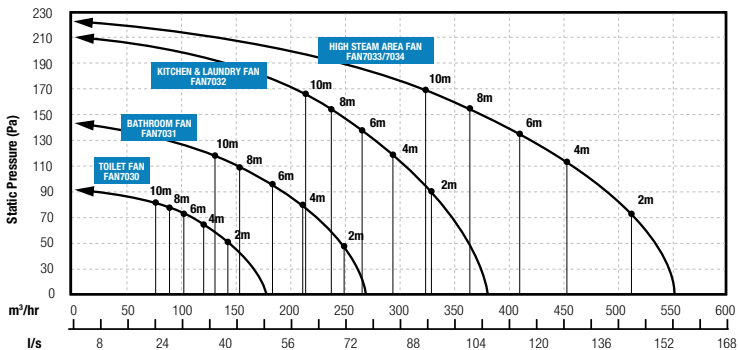
Model	A	B (cut-out size)	C (fascia size)	D
Toilet	170	240	272	100
Bathroom	197	296	328	150
Kitchen and Laundry	197	296	328	150
High Steam Area	197	296	326	150



Technical

Model	Toilet	Bathroom	Kitchen and Laundry	High Steam Area
Supply	220-240V AC, 50Hz			
Max. Operating Temp	40°C			
Tri-Colour LED Fascia - Round	(W)	11	16	-
	(lm)	932 / 1054 / 1046	1294 / 1446 / 1443	-
	(K)	3000K / 4000K / 6000K	3000K / 4000K / 6000K	-
Tri-Colour LED Fascia - Square	(W)	12	15	-
	(lm)	1112 / 1197 / 1224	1488 / 1601 / 1641	-
	(K)	3000K / 4000K / 6000K	3000K / 4000K / 6000K	-
IP Rating	IP44			

Airflow by Duct Length



Ceiling Extraction Fans – Centrifugal

Manrose EC and DC CONTOUR fans deliver "24/7" Continuous trickle extract ventilation which has become the new standard for addressing poor air quality in new well-sealed homes. EC and DC Contour Continuous **Bathroom** and **High Steam** fans have a comprehensive range of stylish, interchangeable fascias to choose from.

EC 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	Order Code
					(l/s)	(m³/hr)					
	125	Centrifugal Continuous (24/7)	3	20	26	93	0.12	28	Range Selection	RF Remote/ Standard Wall Switch	FAN7037
		Run	14	73	55	200	-	30			
		Boost	24	116	68	245	-	37			
EC CONTOUR High Steam 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	Order Code
					(l/s)	(m³/hr)					
	150	Centrifugal Continuous (24/7)	3	33	39	140	0.08	21	Range Selection	RF Remote/ Standard Wall Switch	FAN7038
		Run	25	270	121	434	-	40			
		Boost	80	323	142	510	-	44			
CONTOUR AIRBUS DC 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	Order Code
					(l/s)	(m³/hr)					
	150	Centrifugal Continuous (24/7)	4	19	22	80	0.2	23	Range Selection	Standard / Timer	FAN7540
		Standard	4-15	19-82	22-58	80-210	0.2-0.26	22-32			
CONTOUR AIRBUS DC High Steam 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	Order Code
					(l/s)	(m³/hr)					
	150	Centrifugal Continuous (24/7)	4.5	18	22	80	0.2	23	Range Selection	Standard / Timer	FAN7541
		Standard	4.5-42	18-123	22-114	80-410	0.2-0.37	23-39			

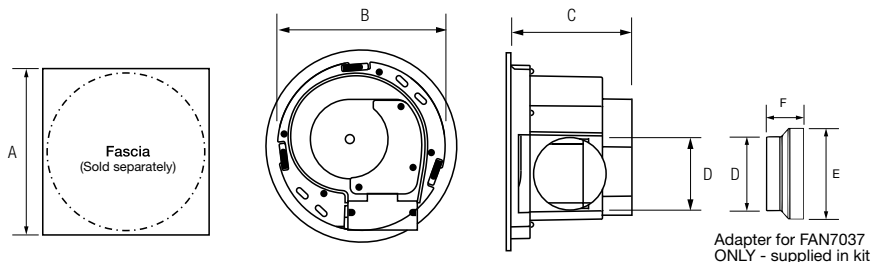
- 3 speed wireless wall controller included
- EC Contour Bathroom (FAN7037 only) with adapter to 125mm from 100mm fan spigot - supplied in kit
- Integrated backdraught shutter
- Deep spigot for easy duct connection
- Swing-out arms for easy installation

Fascia Selections

Fan	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
 +								
Bathroom Fan	DCT4702	DCT4703	DCT4706	DCT4707	DCT4704	DCT4705	DCT4708	DCT4709
High Steam Fan	DCT4710	DCT4711	DCT4714	DCT4715	DCT4712	DCT4713	DCT4715	DCT4717



DIMENSIONS (mm)



Model	A (fascia size)	B (cut-out size)	C	D	E x F
EC Bathroom	272	Ø240	170	Ø100	Ø123 x 50
EC High Steam	326	Ø300	200	Ø150	-
DC Bathroom	272	Ø240	218	Ø150	-
DC High Steam	326	Ø300	227	Ø150	-

Technical

Model		Bathroom	High Steam Area
Supply		220-240V~50Hz	
Max. Operating Temp		40°C	
Tri-Colour LED Fascia - Round	(W)	11	16
	(lm)	932 / 1054 / 1046	1294 / 1446 / 1443
	(K)	3000K / 4000K / 6000K	3000K / 4000K / 6000K
Tri-Colour LED Fascia - Square	(W)	12	15
	(lm)	1112 / 1197 / 1224	1488 / 1601 / 1641
	(K)	3000K / 4000K / 6000K	3000K / 4000K / 6000K
IP Rating		IPX4	



Inline Fans - Mixed Flow

Torpedo DC is our newest MixFlo fan. With integrated continuous, timer, or standard switching modes, This highly flexible fan is suitable for modern, airtight homes.

The powerful inline MixFlo fans are high pressure, high airflow fans with low relative noise levels. Designed for use with both rigid and flexible ducting, they offer two and a half times the pressure of conventional axial fans and typically more compact. 4 year warranty or 30,000 continuous hours.

A step above a standard MixFlo fan and the Torpedo, powerful Blue Jet delivers 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.

Torpedo DC MIXFLOW INLINE FAN	Duct (mm)	Modes	Max. Fan Watts (W)	Max. Fan Pres- sure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code
					(l/s)	(m³/hr)				
	150	Standard	2.4-40	90-293	18-156	65-561	0.13-0.26	24-47	Standard / Timer	FAN1485
		Continuous	2.4	90	18	65	0.13	24		
	100	Standard	10-28	10-210	19-67	68-240	0.53-0.42	29-37	Standard / Timer	FAN1484
		Continuous	10	10	19	68	0.53	29		

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	Order Code
					(l/s)	(m³/hr)				
	150	EC Mixed Flow	50	429	137	493	0.37	60	Variable Speed Controller	FAN6960

MIXFLO 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	Model	Order Code
					(l/s)	(m³/hr)					
	200	Mixed Flow	85	250	272	980	0.31	48	Standard	MF200S	FAN1007
			60	140	239	860	0.25	45			
			45	80	196	706	0.23	41	Plug & Lead	MF200PL	FAN1053

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	Model	Order Code
					(l/s)	(m³/hr)					
	150	Mixed Flow	70	300	166	597	0.51	47	Standard	MF150S	FAN1006
			60	240	92	330	0.65	40	Plug & Lead	MF150PL	FAN1048
	125	Mixed Flow	40	220	89	320	0.45	43	Standard	MF125S	FAN1005
			26	160	72	260	0.36	36	Plug & Lead	MF125PL	FAN1051
	100	Mixed Flow	40	165	65	235	0.61	40	Standard	MF100S	FAN1004
			26	110	45	161	0.58	33	Plug & Lead	MF100PL	FAN1050

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

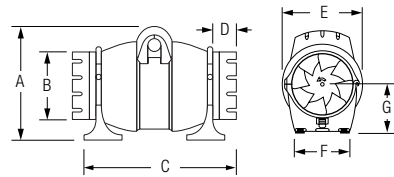
Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.



Inline Fans - Mixed Flow

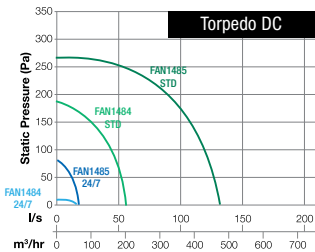
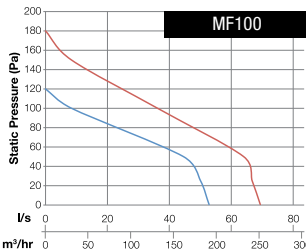
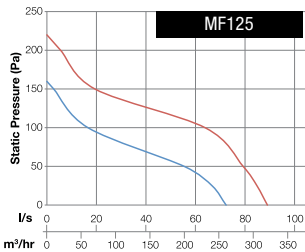
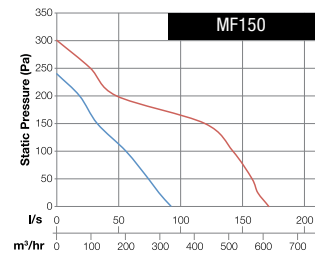
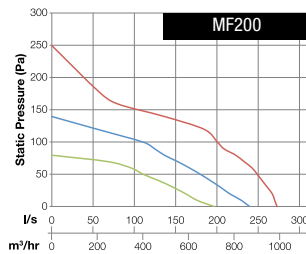
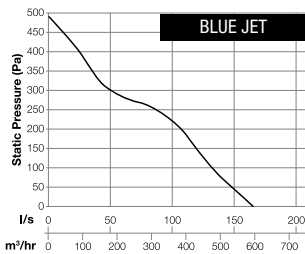
Dimensions (mm)

Model	A	B	C	D	E	F	G
FAN1484	237.5	100	297.2	-	-	-	123
FAN1485	264.6	150	317.2	-	-	-	125
Blue Jet	176	150	184	15	154	51	99
MF200	244	197	354	50	230	142	140
MF150	209	147	360	55	195	130	115
MF125	182	122	350	60	168	100	100
MF100	182	98	315	27	168	100	100



Technical

Model	Blue Jet	Mixflo			
	150mm	200mm	150mm	125mm	100mm
Supply	220-240V AC, 50Hz				
Max. Operating Temp	40°C	60°C	60°C	45°C	45°C
IP Rating	IPX4	IPX4	IPX4	IPX4	IPX4



Sound Levels - dB(A)

Model	Duct	125	250	500	1K	2K	4K	8K
MF	200	18	33	43	53	49	41	30
	150	15	39	51	53	53	47	38
	125	10	34	42	49	36	35	24
	100	10	34	42	49	36	35	24



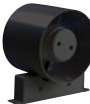
Inline Fans - Axial

The proven standard for most New Zealand homes. Inline axial fans are highly reliable and suitable for almost any domestic application.

The Momentum DC range are highly flexible inline fans, with a selectable continuous, timer, or standard operating modes. Designed for installation in modern, airtight homes.

The Hyper150 EC axial fan is the trusted leader in bathroom extraction. With an EC motor and variable speed control with 10m control cable, Hyper150 continues to lead the field. 7 year warranty.

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

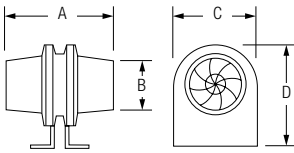
Momentum DC	Duct (mm)	Modes	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code	
	100	Standard	6-7	72	22-33	80-120	0.21-0.27	30-38	Standard / Timer	FAN1482	
		Continuous	6	42	22	80	0.27	30			
	150	Standard	10-14	20-99	25-83	90-300	0.17-0.4	26-44	Standard / Timer	FAN1483	
		Continuous	10	20	25	90	0.4	26			
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	Order Code	
					(l/s)	(m³/hr)					
 	150	EC Axial	18	91	105	380	0.17	38	Standard	FAN0085	
	150	EC Axial	18	91	105	380	0.17	38	Variable Speed Controller**	FAN7000*	
Classic ID	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	Model	Order Code
					(l/s)	(m³/hr)					
	150	Axial	25	60	87	313	0.29	40	Standard	ID150S	FAN0090
									Timer	ID150T	FAN0091
	125	Axial	20	35	36	130	0.56	41	Standard	ID125S	FAN0060
									Timer	ID125T	FAN0061
	100	Axial	20	25	23	85	0.87	41	Standard	ID100S	FAN0012
									Timer	ID100T	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	Model	Order Code
					(l/s)	(m³/hr)					
	150	Axial	25	50	64	230	0.39	40	Standard	ECO150S	FAN2078



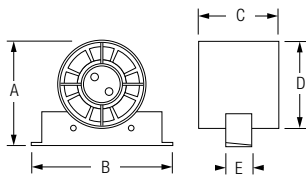
Inline Fans - Axial

Dimensions (mm)

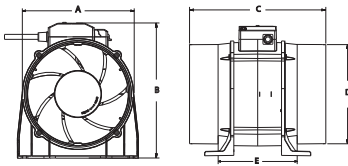
Model	A	B	C	D	E
Hyper150 EC	200	143	170	185	-
ID150	187	153	109	150	27
ID125	150	155	99	118	27
ID100	130	155	90	100	27
ECO150	187	153	109	150	27
FAN1482	103	154	176	96	106.2
FAN1483	150	189.9	200	145.6	131.2



Hyper150 EC Fans



ID & ECO Fans



Momentum DC

Technical

Model	Torpedo DC	Hyper150 EC	ID150	ID125	ID100	ECO150
Supply	220-240V AC, 50Hz	110-240V AC, 50Hz	220-240V AC, 50Hz			
Sound Level	26 - 44 dB(A)	38 dB(A)	40 dB(A)	41 dB(A)	41 dB(A)	40 dB(A)
Max. Operating Temp	50°C	45°C	40°C	40°C	40°C	50°C
IP Rating	IPX4	IP44	IP44	IP44	IP44	IPX4

*All data for FAN7000 at full speed

** Euro flush-box for variable speed control switch – included

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.



Inline Fans - Centrifugal 3 Speed

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

3 Speed	Duct (mm)	Fan Type & Speed	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Model	Order Code
					(l/s)	(m³/hr)					
	200	Centrifugal	(tba)	200	130	466	(tba)	(tba)	Standard	MAN200-3	FAN0997
		Speed 1	(tba)	275	161	580	(tba)	(tba)			
		Speed 2	105	310	180	648	0.58	56			
	150	Centrifugal	41	225	86	310	0.48	30	Standard	MAN150-3	FAN0921
		Speed 1	46	296	122	440	0.38	36			
		Speed 2	57	356	149	535	0.34	43			

Note: Installed system performance is always influenced by duct length and layout

See page 90 for more information on centrifugal fan mounting brackets FAN0015 and FAN0016.

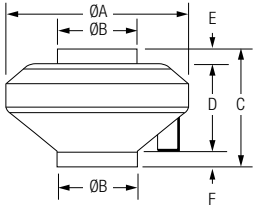
Switching Options

Standard Remote switch (not supplied).



Dimensions (mm)

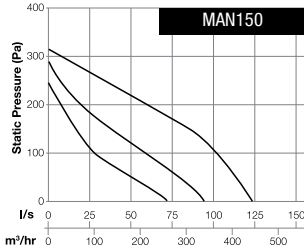
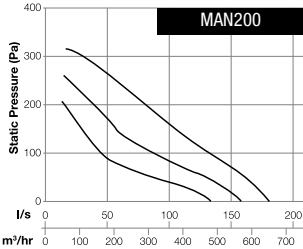
Model	ØA	ØB	C	D	E	F
MAN200	340	200	279	154	50	75
MAN150	340	150	279	154	50	75



MAN200 / MAN150

Technical

Model	MAN200	MAN150
Supply	220-240V AC, 50Hz	
Max. Operating Temp	50°C	
IP Rating	IPX4	



Inline Fans - Centrifugal

The following high performance centrifugal inline fans are suitable for a variety of domestic applications and can also be used for supply. 5 year warranty.

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	Model	Order Code
					(l/s)	(m³/hr)					
	250	Centrifugal	170	500	280	1010	0.61	47	Standard	MAN250	FAN0358
	200	Centrifugal	105	418	208	750	0.50	56	Standard	MAN200	FAN0467
	150	Centrifugal	57	320	124	445	0.46	50	Standard	MAN150	FAN0330
	100	Centrifugal	32	153	49	176	0.65	38	Standard	MAN100	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	Model	Order Code
					(l/s)	(m³/hr)					
	150	Centrifugal	80	305	124	445	0.65	43	Standard	WWLP150-1	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	Model	Order Code
					(l/s)	(m³/hr)					
	100	Centrifugal	20	120	31	110	0.65	45	Standard	CFD200S	FAN0326
									Timer	CFD200T	FAN0327

Note: Installed system performance is always influenced by duct length and layout

See page 90 for more information on centrifugal fan mounting brackets FAN0015 and FAN0016.

Switching Options

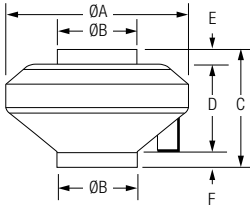
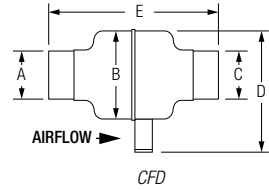
Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off. Adjustable from 1-20 minutes

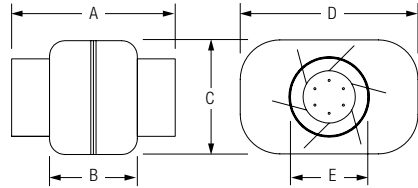


Dimensions (mm)

Model	ØA	ØB	C	D	E	F
MAN315L	405	315	275	215	30	30
MAN250	320	249	440	310	65	65
MAN200	340	200	279	154	50	75
MAN150	340	150	279	154	50	75
MAN100	250	100	256	136	50	70
WVILP150	313	168	148	340	218	-
CFD200	100	155	100	195	258	-



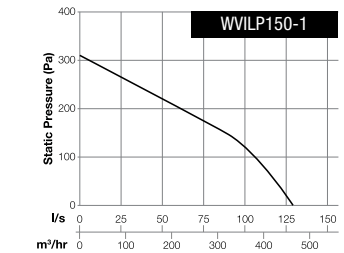
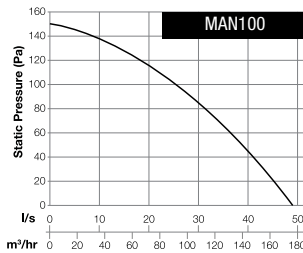
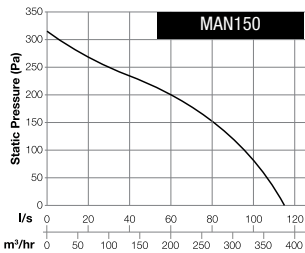
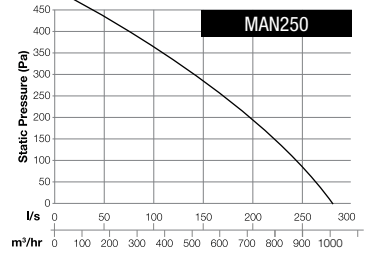
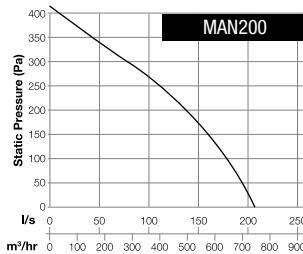
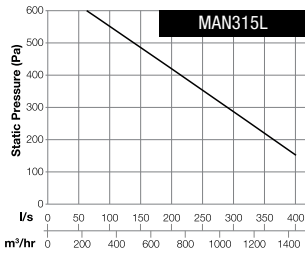
MAN



WVILP150-1

Technical

Model	MAN315L	MAN250	MAN200	MAN150	MAN100	WVILP	CFD
Supply	220-240V AC, 50Hz						
Max. Operating Temp	40°C	50°C	60°C	50°C	60°C	40°C	40°C
IP Rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IP44



Inline Extraction Kits - with CONTOUR Fascias

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 has a comprehensive range of stylish, interchangeable fascias to choose from.

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.

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	Order Code
					(l/s)	(m³/hr)					
	150	Mixed Flow	70 60	275 220	138 108	497 389	0.42 0.65	Range Selection	White Fixed Louvre	Standard	FAN7366
	150	EC Axial	18	91	105	380	0.17	Range Selection	White Fixed Louvre	Standard	FAN7044

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Fascia Selections

Adapter Plate <i>supplied with kits above</i>	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
								
DCT4500	DCT4702	DCT4703	DCT4706	DCT4707	DCT4704	DCT4705	DCT4708	DCT4709

Ceiling Plenum <i>(order separately)</i>	Round				Square			
	White	Black	LED White	LED Black	White	Black	LED White	LED Black
								
DCT4501	DCT4702	DCT4703	DCT4706	DCT4707	DCT4704	DCT4705	DCT4708	DCT4709

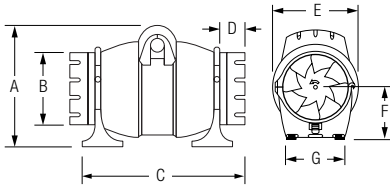
- Fascias are a stylish super low profile slim line design available in white or black
- 10W LED light panel fascia options include driver with quick connection 12V plug and pre-fitted 240V AC supply lead and plug
- Fascias are easy to install, remove and clean



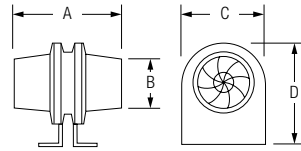
Inline Extraction Kits - CONTOUR Fascias

Dimensions (mm)

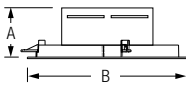
Model	A	B	C	D	E	F	G
FAN7366	209	147	360	55	195	130	115
FAN7044	200	143	170	185		-	
Adapter Plate	75	265			-		
Ceiling Plenum	196-167 (adjustable)	265	190	103		-	
Round Fascia	272				-		
Square Fascia	272	272			-		



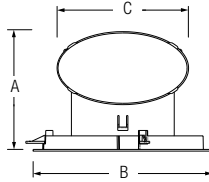
FAN7366



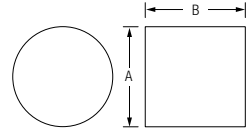
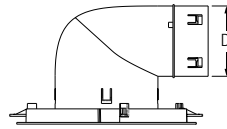
FAN7044



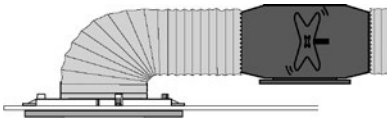
Adapter Plate



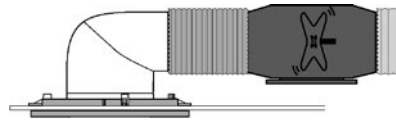
Ceiling Plenum



Fascias



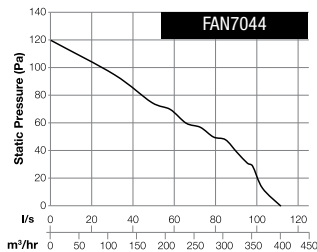
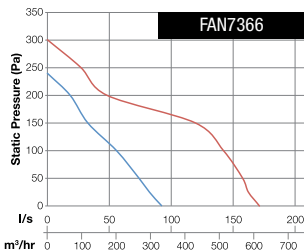
Adapter Plate Installation



Ceiling Plenum Installation

Technical

Model	FAN7366	FAN7044	LED Fascia	
			Round	Square
Supply	220-240V AC, 50Hz			
Sound Level	40/47dB(A)	38 dB(A)	-	
Max. Operating Temp		45°C	-	
Wattage	60-70W	18W	11W	12W
Light (lm)	-		932 / 1054 / 1046	1112 / 1197 / 1224
LED Colour	-		3000K / 4000K / 6000K	
IP Rating	IP44			



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.

Low Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Interior Grille	Exterior Grille	Switching	Model	Order Code
					(l/s)	(m³/hr)						
	150	Mixed Flow	70 60	275 220	138 108	497 389	0.42 0.65	Round White	Chateau Cowl White and Fixed Louvre White	Standard	MFLP150S	FAN2051
	125	Mixed Flow	40 26	220 160	89 72	320 260	0.45 0.36	Round White	Chateau Cowl White and Fixed Louvre White	Standard	MFLP125S	FAN2050
	100	Mixed Flow	40 26	165 110	65 45	235 161	0.58 0.49	Round White	Chateau Cowl White and Fixed Louvre White	Standard	MFLP100S	FAN2049
	150	EC Axial	18	91	105	380	0.17	Round White and Square White	Chateau Cowl White and Fixed Louvre White	Standard	SFLP150S	FAN0618
										Timer	SFLP150T	FAN0619
Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Interior Grille	Exterior Grille	Switching	Model	Order Code
					(l/s)	(m³/hr)						
	150	EC Axial	18	91	105	380	0.17	Round Black & White	Fixed Louvre White	Variable Speed Controller	SF150S	FAN7500
	150	EC Axial	18	91	105	380	0.17	Round Black & White	Fixed Louvre White	Standard	SF150S	FAN0101
								Round White		Timer	SF150T	FAN0102
	125	Axial	20	35	36	130	0.56	Round White	Fixed Louvre White	Standard	SF125S	FAN0064
	100	Centrifugal	20	120	31	110	0.65	Round White	Fixed Louvre White	Standard	SF200S	FAN0328
		Axial	20	24	23	85	0.87	Round White	Fixed Louvre White	Standard	SF100S	FAN0017
										Timer	SF100T	FAN0018

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

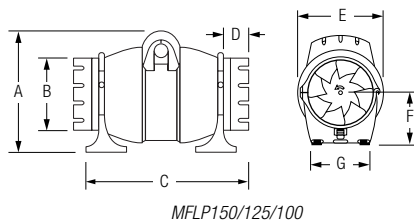
Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.



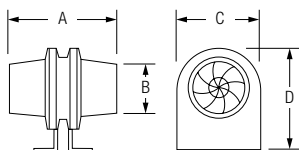
Inline Extraction Fan Kits without Lights

Dimensions (mm)

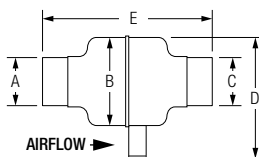
Model	Grille Cut-Out	A	B	C	D	E	F	G
MFLP150	160	209	147	360	55	195	115	130
MFLP125	140	182	122	350	60	168	100	100
MFLP100	115	182	98	315	27	168	100	100
SFLP150	160	200	143	170	185	-	-	-
SF150	160	200	143	170	185	-	-	-
SF200	115	100	155	100	195	258	-	-
SF125	140	155	150	99	118	27	-	-
SF100	115	155	130	90	100	27	-	-



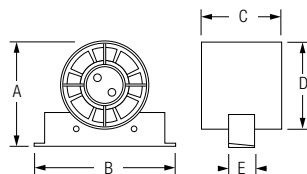
Note: Grille cut-out size is a nominal diameter for a circular cut-out.



SFLP150
SF150



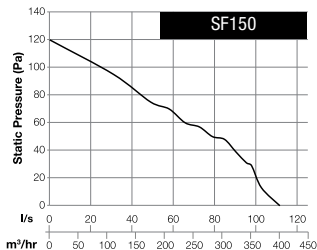
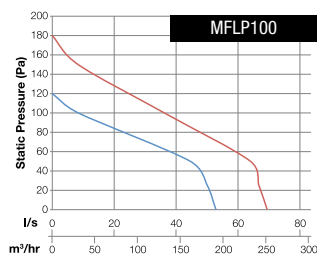
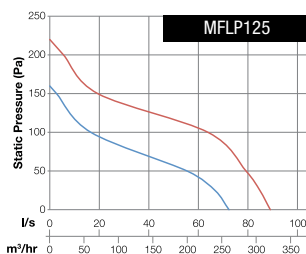
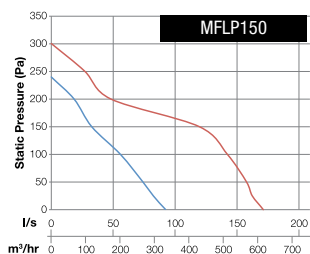
SF200



SF125 / SF100

Technical

Model	MFLP150	MFLP125	MFLP100	SFLP150	SF150	SF125	SF200	SF100
Supply	220-240V AC, 50Hz							
Sound Level	47 dB(A)	43 dB(A)	40 dB(A)	38 dB(A)	38 dB(A)	41 dB(A)	45 dB(A)	41 dB(A)
Max. Operating Temp	60°C	45°C	45°C	45°C	45°C	50°C	50°C	50°C
IP Rating	IPX4	IPX4	IPX4	IP44	IP44	IPX4	IPX4	IPX4
Duct	6m Unilok Nude			5m Flexible PVC		4m Flexible PVC	3m Flexible PVC	



Inline Extraction Fan Kits with LED

These high efficiency inline fans are designed to provide higher levels of extraction for larger bathrooms and the LED 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.

Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Interior Grille	Exterior Grille	Switching	Model	Order Code
					(l/s)	(m³/hr)						
	150	EC Axial	18	91	105	380	0.17	Round White	Eggcrate White	Standard	EL150S	FAN5369
										Timer	EL150T	FAN5370
	125	Axial	20	35	36	130	0.56	Round White	Eggcrate White	Standard	EL125S	FAN5371
										Timer	EL125T	FAN5372
	100	Centrifugal	20	120	31	110	0.65	Round White	Eggcrate White	Standard	EL100S	FAN5373

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off. 150mm models include a fixed 7-minute timer. Timers on 125mm and 100mm models are adjustable from 1-20 minutes

Accessories

Diffuser with LED (12V 3W) and Driver	Model	White	Chrome
	EL150	DCT3209	DCT3208
	EL125	DCT3207	-
	EL100	DCT3205	-

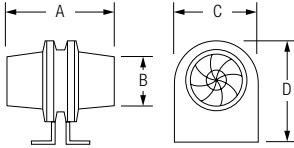


Inline Extraction Fan Kits with LED

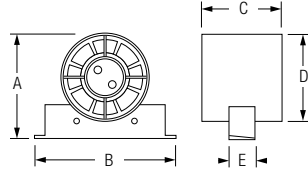
Dimensions (mm)

Model	Diffuser Cut-Out	A	B	C	D	E	F	G	H
EL150	160	200	143	170	185	200	200	74	148
EL125	145	125	155	125	195	155	170	74	118
EL100	115	130	155	90	100	27	140	74	98

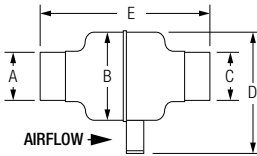
Note: Diffuser cut-out size is a nominal diameter for a circular cut-out.



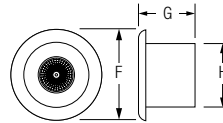
EL150



EL125



EL100



Diffuser

Technical

Model	EL150	EL125	EL100
Supply	220-240V AC, 50Hz		
LED	12V 3W		
Total Wattage	21W	23W	23W
Sound Level	38 dB(A)	41 dB(A)	45 dB(A)
Max. Operating Temp	45°C	40°C	40°C
IP Rating	IP44	IPX4	IPX4
Duct	5m Flexible PVC	4m Flexible PVC	3m Flexible PVC



Inline Extraction Fan Kits with Halogen Lamp

These high efficiency inline fans are designed to provide higher levels of extraction for larger bathrooms and the halogen lamp 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.

Standard Profile	Duct (mm)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Interior Grille	Exterior Grille	Switching	Model	Order Code
					(l/s)	(m³/hr)						
	150	EC Axial	18	91	105	380	0.17	Round White	Eggcrate White	Timer	EL150T	FAN0804
	125	Axial	20	35	36	130	0.56	Round White	Eggcrate White	Standard	EL125S	FAN2037

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).
Timer Remote switch (not supplied). Fan continues operating for preset time after switching off. 150mm models include a fixed 7-minute timer. Timers on 125mm and 100mm models are adjustable from 1-20 minutes

Accessories

Diffuser with Halogen Lamp (12V 50W)	Model	White
	EL150	DCT1169
	EL100	DCT0360

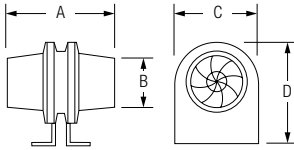


Inline Extraction Fan Kits with Halogen Lamp

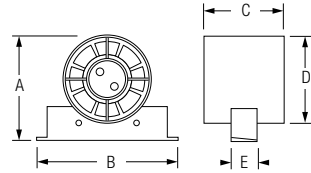
Dimensions (mm)

Model	Diffuser Cut-Out	A	B	C	D	E	F	G	H
EL150	165	200	143	170	185	200	200	74	148
EL125	145	125	155	125	195	155	170	74	118

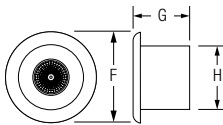
Note: Diffuser cut-out size is a nominal diameter for a circular cut-out.



EL150



EL125



Diffuser

Technical

Model	EL150	EL125
Supply	220-240V AC, 50Hz	
Halogen Lamp	12V 50W	
Total Wattage	68W	70W
Sound Level	38 dB(A)	41 dB(A)
Max. Operating Temp	45°C	40°C
IP Rating	IP44	IPX4
Duct	5m Flexible PVC	4m Flexible PVC



MANROSE®

QUIET

Wall / Ceiling Mount Fan



125mm

Bathroom Fan



150mm

High Steam Kitchen & Bathroom Fan



Type		Standard Switching	Timer Switching	Humidity Control	App Control
125mm	Wall/Ceiling Mount Fan	FAN7180	FAN7181	FAN7182	
	Through Wall Fan Kit	FAN7187	FAN7188	FAN7189	
150mm	Wall/Ceiling Mount Fan	FAN7183	FAN7184	FAN7185	FAN7186 COMING SOON
	Through Wall Fan Kit	FAN7190	FAN7191	FAN7192	FAN7193 COMING SOON



Wall/Ceiling Fans - Quiet

The new high-pressure and energy-efficient QUIET fans have ultra-high airflow without nuisance noise and are designed to be ducted straight through a bathroom or kitchen exterior wall. 5 year warranty.

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	Order Code
					(l/s)	(m³/hr)				
	150	Axial	20	112	103	371	0.19	41	Standard	FAN7183
									Timer	FAN7184
									Humidity Control	FAN7185
			24	133	114	410	0.21		App Control COMING SOON	FAN7186
	125	Axial	15	68	54	194	0.28	38	Standard	FAN7180
									Timer	FAN7181
									Humidity Control	FAN7182

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.

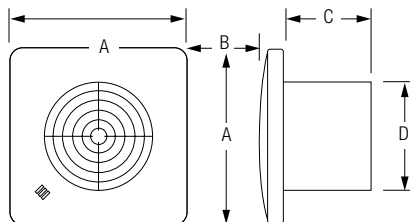
Timers are 2-30 minute adjustable and require permanent and switched phase.

Humidity Remote switch (not supplied). The humidity control models come with an advanced inbuilt humidity automation controller.

App Control The fan can be switched ON using standard, timer, humidity or temperature-controlled modes, easily configured via app.

Dimensions (mm)

Model	Cut-Out Size	A	B	C	D
FAN7183 FAN7184 FAN7185 FAN7186	173	227	30.5	111	Ø146
FAN7180 FAN7181 FAN7182	140	185	29	100	Ø120



Technical

Model	FAN7183	FAN7184	FAN7185	FAN7180	FAN7181	FAN7182
Supply	220-240V AC, 50Hz					
Max. Operating Temp	40°C					
IP Rating	IPX4					



Wall/Ceiling Fans - Cucina

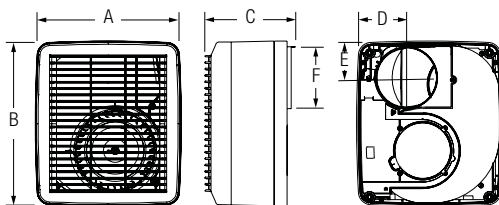
CUCINA is a powerful 2 boost speed centrifugal extraction fan with a washable metal grease filter. The installation selectable speeds are suitable for kitchens (high speed) or laundries (medium). The fan is G4 and Healthy Homes compliant for kitchen extract ventilation levels (when installed in through wall applications at kitchen boost speed) and also has a low speed setting for continuous trickle ventilation. A plate fascia and fine filter kit is also available as a front grille alternative for laundry installations. 5 year warranty.

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	Order Code
							(l/s)	(m³/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 (order separately)									DCT4529
			Replacement Washable Metal Grease Filter (order separately)									DCT4562

Note: Installed system performance is always influenced by duct length and layout

Dimensions (mm)

A	B	C	D	E	F
231	261	137	79	58	Ø98



FAN7201

Technical

Supply	220-240V AC, 50Hz
Max. Operating Temp	40°C
IP Rating	IPX4



Wall/Ceiling Fans - Eco

Eco fans are highly efficient axial fans, with high-quality ball bearing motors for an extended lifespan.

With a slim 19mm profile, these unobtrusive axial fans blend in with the wall or ceiling surface and can be connected to an appropriate duct run to exhaust outside.

Models include 2 speeds selectable at installation to customise the fan to each application as well as a blue LED to indicate operation.

ECO	Duct (mm)	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Model	Order Code
				(l/s)	(m³/hr)					
	150	5	20	46	165	0.11	35	Timer	LCS150T	FAN2214
		8.2	32	67	241	0.12	43			

* 1 of 2 speeds selectable at installation

- 19mm stylish low profile grille
- Downstream airflow guide vanes for improved pressure development
- 1 of 2 speeds selectable at installation
- High quality ball bearing motors
- Modern aesthetics, includes blue LED "on light"

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time (1-20 minute adjustable) after switching off. Permanent phase, switched phase and neutral required.

Fan Wattage Comparison

Duct	Fan	Model	Watts
150mm	Manrose Pro-Series Wall/Ceiling Fan	XFLP150	25.0
	Eco Wall/Ceiling Fan	LCS150	8.2
Energy Saving			16.8

Technical

Supply	220-240V AC, 50Hz
IP Rating	IPX4
Warranty	5 years



Wall/Ceiling Fans - SELV and Auto Shutter

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.

SELV (Safety Extra Low Voltage)

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	Model	Order Code
					(l/s)	(m³/hr)						
	150	Axial	20	60	101	364	0.20	40	Square	Standard	XFLP150SLV	FAN5892
									Round	Standard	XFLP150CLV	FAN5891
	125	Axial	20	35	36	130	0.56	41	Square	Standard	XFLP125SLV	FAN5886
									Round	Standard	XFLP125CLV	FAN5885
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	Model	Order Code
					(l/s)	(m³/hr)						
	150	Axial	20	60	101	364	0.20	40	Square	Standard	XF150LV	FAN5896
	125	Axial	20	35	36	130	0.56	41	Square	Standard	XF125LV	FAN5890
	100	Axial	20	20	23	85	0.87	41	Square	Standard	XF100LV	FAN5883

Auto Shutter

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	Model	Order Code
					(l/s)	(m³/hr)						
	300	Axial	82	60	306	1100	0.27	60	Square	Standard	XFS300A	FAN2041
	230	Axial	45	50	152	550	0.30	50	Square	Standard	XFS230A	FAN0346
										Standard	XF150A	FAN0121
	150	Axial	25	60	87	313	0.29	40	Square	Pull Cord	XF150AP	FAN0122
										Timer	XF150AT	FAN0123

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.

All timers are 1-20 minute adjustable and require permanent and switched phase.

Pull Cord Integral part of fan.

Accessories

Fascia	Model	Duct	Round	Square		
			White	White	Satin Silver	Chrome
	XFLP	150mm	FAN0750	FAN0749	FAN2071	FAN0598
		125mm	FAN0748	FAN0747	FAN2068	FAN0755

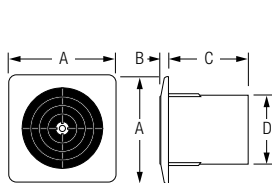


Wall/Ceiling Fans - SELV and Auto Shutter

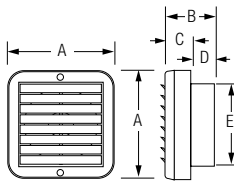
Dimensions (mm)

Model	Cut-Out Size	A	B	C	D	E
XFLP150S	173	191	10	122	150	-
XFLP150C	173	198	10	122	150	-
XFLP125S	140	161	10	122	118	-
XFLP125C	140	165	10	122	118	-
XFS300	310	362	156	81	75	300
XFS230	265	286	141	75	66	230
XF150	160	200	27	74	148	-
XF125	140	168	27	74	118	-
XF100	112	155	27	74	98	-
XF150A XF150AP	160	200	55	90	148	-

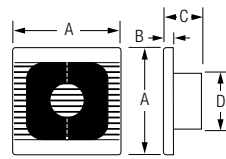
Please note: Fan cut-out size is a nominal diameter.



XFLP



XFS



XF

Technical

Supply	SELV	12V AC
	Auto Shutter	220-240V AC, 50Hz
Max. Operating Temp		50°C
IP Rating		IPX4



Wall/Ceiling Fans - Standard

These fans are designed for easy installation and efficient operation. 5 year warranty.

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	Model	Order Code
					(l/s)	(m³/hr)						
	150	Axial	20	60	101	364	0.20	40	Square	Standard	XFLP150SS	FAN0594
									Round		XFLP150CS	FAN0609
									Square	Timer	XFLP150ST	FAN0595
									Round		XFLP150CT	FAN0610
	125	Axial	20	35	36	130	0.56	41	Square	Standard	XFLP125SS	FAN0589
									Round		XFLP125CS	FAN0604
									Square	Timer	XFLP125ST	FAN0590
									Round		XFLP125CT	FAN0605
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	Model	Order Code
					(l/s)	(m³/hr)						
	300	Axial	82	60	306	1100	0.27	60	Square	Standard	XFS300S	FAN2040
	230	Axial	45	50	152	550	0.30	50	Square	Standard	XFS230S	FAN0374
	150	Axial	25	60	101	364	0.25	40	Square	Standard	XF150S	FAN0120
										Pull Cord	XF150P	FAN0126
										Timer	XF150T	FAN0127
										PIR	XF150PIR	FAN0124
	125	Axial	20	35	36	130	0.56	41	Square	Standard	XF125S	FAN0072
										Pull Cord	XF125P	FAN0074
										Timer	XF125T	FAN0075
	100	Axial	20	20	23	85	0.87	41	Square	Standard	XF100S	FAN0046
										Pull Cord	XF100P	FAN0047
										Timer	XF100T	FAN0048

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.

All timers are 1-20 minute adjustable and require permanent and switched phase.

Pull Cord Integral part of fan.



Wall/Ceiling Fans - Standard

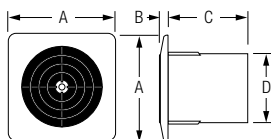
Accessories

Fascia	Model	Duct	Round	Square		
			White	White	Satin Silver	Chrome
	XFLP	150mm	FAN0750	FAN0749	FAN2071	FAN0598
		125mm	FAN0748	FAN0747	FAN2068	FAN0755

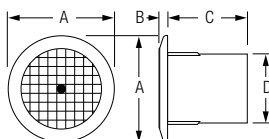
Dimensions (mm)

Model	Cut-Out Size	A	B	C	D	E
XFLP150S	173	191	10	122	150	-
XLFP150C	173	198	10	122	150	-
XLFP125S	140	161	10	122	118	-
XLFP125C	140	165	10	122	118	-
XFS300	310	362	156	81	75	300
XFS230	265	286	141	75	66	230
XF150	160	200	27	74	148	-
XF150PIR	160	200	55	90	200	-
XF125	140	168	27	74	118	-
XF100	112	155	27	74	98	-

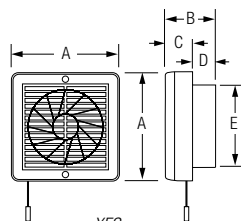
Please note: Fan cut-out size is a nominal diameter.



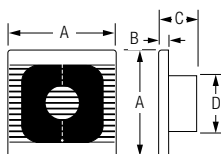
XFLP S



XFLP C



XFS



XF

Technical

Supply	220-240V AC, 50Hz
Max. Operating Temp	50°C
IP Rating	IPX4



Wall Fans - EDGE DC

A quiet, unobtrusive through-wall extraction fan. Includes selectable 24/7 continuous, timer, or standard switching for enhanced flexibility. Suitable for all residential properties, but ideal for airtight modern homes. 5 year warranty.

Edge DC	Duct (mm)	Modes	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)	(m³/hr)					
	100	Standard	2-7	20-31	14-24	50-85	0.14-0.29	30-38	Square	Standard / Timer	FAN1480
		Continuous	2	20	14	50	0.14	30			
	150	Standard	2-14	16-48	25-64	90-230	0.08-0.22	24-40	Square	Standard / Timer	FAN1481
		Continuous	2	16	25	90	0.08	24			

Selectable Switch

Standard

10min Run On Timer

Continuous

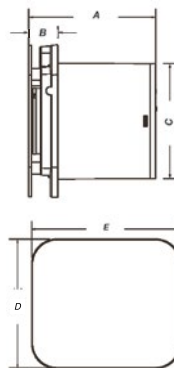
Mould Reduction features disabled, with standard wall switching enabled.

Continues to operate for 10 minutes after wall switch is turned off.

Creates a healthier living environment through continuous slow extraction with wall switching to boost.

Dimensions (mm)

Model	Cut-Out Size	Min. Install Depth	A	B	C	D	E
FAN1480	103	123	109	25	100	130	150
FAN1481	153	139	119	34	148	180	210



Technical

Supply	220-240V AC, 50Hz
IP Rating	IPX4
Ball Bearing	Yes
Backdraft Stopper	Yes



Through Wall Fan Kits - Quiet

The new high-pressure and energy-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 semi-rigid ducting and a Chateau weatherproof cowl. 5 year warranty.

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	Order Code
					(l/s)	(m³/hr)				
	150	Axial	20	112	103	371	0.19	41	Standard	FAN7190
									Timer	FAN7191
									Humidity Control	FAN7192
			24	133	114	410	0.21		App Control COMING SOON	FAN7193
	125	Axial	15	68	54	194	0.28	38	Standard	FAN7187
									Timer	FAN7188
									Humidity Control	FAN7189

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

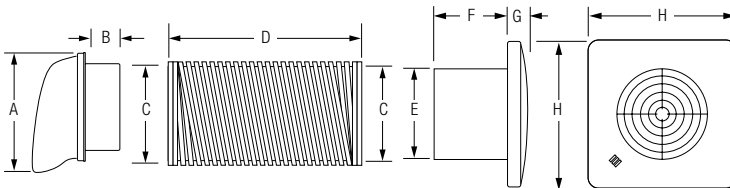
Timer Remote switch (not supplied). Fan continues operating for preset time after switching off. Timers are 2-30 minute adjustable and require permanent and switched phase.

Humidity Remote switch (not supplied). The humidity control models come with an advanced inbuilt humidity automation controller.

App Control The fan can be switched ON using standard, timer, humidity or temperature-controlled modes, easily configured via app.

Dimensions (mm)

Model	Cut-Out Size	A	B	C	D	E	F	G	H
FAN7190 FAN7191 FAN7192 FAN7193	165	206	39	150	375	146	111	30.5	227
FAN7187 FAN7188 FAN7189	140	206	39	125	375	120	100	29	185



Technical

Supply	220-240V AC, 50Hz
Max. Operating Temp	40°C
IP Rating	IPX4
Exterior Grille	Weatherproof Cowl
Duct	Aluminium Semi-Rigid
Duct Length	375mm



Through Wall Fan Kits - Intelligent Sensing Automation

An exceptionally quiet and energy efficient fan, the **dMEV C** is a compact, humidity-automated continuous extraction fan that is completely automated and suitable for retrofits or modern, airtight homes.

The Manrose **Genius** is packed full of sensors for completely automated operation including humidity, temperature, and occupancy. Settings and sensors can be easily customised via an intuitive App. Includes energy efficient DC motor. 5 year warranty.

The Manrose **IntelliVent Humidity** and **IntelliVent Temperature** fans are sensor operated with adjustable speed control and LED function indication. An easy to access control panel provides for simple and exact adjustment of settings. Includes energy efficient DC motor. 5 year warranty.

dMEV C 125	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	Order Code
					(l/s)	(m³/hr)					
	125	ECl	6	77	35	126	0.08	8.5-37.9	Round	Humidity	498098
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	Order Code
					(l/s)	(m³/hr)					
	100	DC Axial	4	30	30	108	0.13	17-20	Round	Humidity Temperature Occupancy App Control	FAN6844
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	Order Code
					(l/s)	(m³/hr)					
	100 125	DC Axial	5	21	37	134	0.22	12-29	Rectangle	Humidity	FAN5901
										Temperature	FAN6051

Note: Installed system performance is always influenced by duct length and layout

Accessories

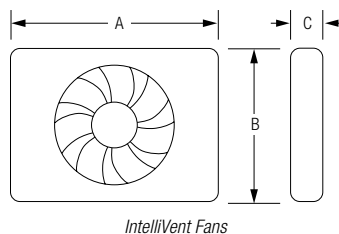
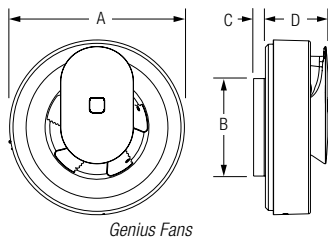
Model	Description		Order Code
INTELLIVENT HUMIDITY INTELLIVENT TEMPERATURE		Ø 100 x 310mm (using 98mm adapter)	DCT4149
		Ø 125 x 310mm (using 118mm adapter)	DCT4150
		Cover Plate - White	202 x 152mm DCT4151
		Internal Through Wall Kit	Ø 100 x 100mm (using 98mm adapter) DCT4152
dMEV C 125		Through Wall Kit White	Ø 125 Extendable 250mm to 490mm length. 455226



Through Wall Fan Kits - Intelligent Sensing Automation

Dimensions (mm)

Model	A	B	C	D
Genius	177	99	21	60
IntelliVent	202	152	31	-



Technical

Model		Genius	IntelliVent	
			100mm	125mm
Supply		220-240V AC, 50Hz	220-240V AC, 50Hz	
Max. Operating Temp		40°C	40°C	
Fan Speed	Low Trickle	10 l/s	-	
	High Trickle	16 l/s	-	
	Boost	30 l/s	-	
	Constant	-	12 l/s, 42m³/hr	12 l/s, 55m³/hr
	Silent	-	21 l/s, 74m³/hr	24 l/s, 86m³/hr
	Max	-	30 l/s, 107m³/hr	30 l/s, 134m³/hr
IP Rating		IP44	IPX4	IPX4

General Information

Model	App Controls
Genius	Mobile Connect
	Light Level Sensor
	Variable Speed
	Timer
	Heat Transfer
	RH%



Through Wall Fan Kits - SELV and Auto Shutter

These 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.

SELV (Safety Extra Low Voltage)

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	Model	Order Code
					(l/s)	(m³/hr)						
	150	Axial	20	60	101	364	0.20	40	Square	Standard	XPLP150SLV	FAN5894
									Round	Standard	XPLP150CLV	FAN5893
	125	Axial	20	35	36	130	0.56	41	Square	Standard	XPLP125SLV	FAN5887
									Round	Standard	XPLP125CLV	FAN5888
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	Model	Order Code
					(l/s)	(m³/hr)						
	150	Axial	20	60	101	364	0.20	40	Square	Standard	XP150LV	FAN5895
	125	Axial	20	35	36	130	0.56	41	Square	Standard	XP125LV	FAN5889
	100	Axial	20	20	23	85	0.87	41	Square	Standard	XP100LV	FAN5882

Auto Shutter

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	Model	Order Code
					(l/s)	(m³/hr)						
	300	Axial	82	60	306	1100	0.27	60	Square	Standard	XPS300A	FAN2043
	230	Axial	45	50	152	550	0.30	50	Square	Standard	XPS230A	FAN0348
	150	Axial	25	60	101	364	0.29	40	Square	Standard	XP150A	FAN0136
										Pull Cord	XP150AP	FAN0137
										Timer	XP150AT	FAN0138

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off. 150mm models include a fixed 7-minute timer. Timers on 125mm and 100mm models are adjustable from 1-20 minutes

Pull Cord Integral part of fan.

Accessories

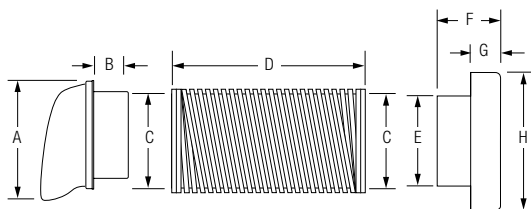
Fascia	Model	Duct	Round	Square		
			White	White	Satin Silver	Chrome
	XFLP	150mm	FAN0750	FAN0749	FAN2071	FAN0598
		125mm	FAN0748	FAN0747	FAN2068	FAN0755



Through Wall Fan Kits - SELV and Auto Shutter

Dimensions (mm)

Model	Cut-Out Size	A	B	C	D	E	F	G	H
XPLP150	165	206	39	150	375	150	132	10	191
XPLP125	140	206	39	125	375	118	128	10	161
XPS300	310	350	50	230	375	300	156	81	362
XPS230	265	286	30	250	375	230	141	75	286
XP150	165	206	39	150	375	148	74	27	200
XP150A	165	206	39	150	375	148	90	55	200
XP125	140	206	39	125	375	118	74	27	168
XP100	112	138	30	100	375	98	74	27	155



XPLP / XP

Technical

Model		XPLP	XPS	XP
Supply	SELV	12V AC		
	Auto Shutter	220-240V AC, 50Hz		
Max. Operating Temp		50°C	50°C	50°C
IP Rating		IPX4	IPX4	IPX4
Exterior Grille		Chateau Weatherproof Cowl	White Fixed Grille	Chateau Weatherproof Cowl
Duct		Aluminium Semi-Rigid	Aluminium Semi-Rigid	Aluminium Semi-Rigid
Duct Length		375mm	375mm	375mm



Through Wall Fan Kits - Standard

These efficient fan kits are easy to install and are designed to be ducted straight through an exterior wall. All fan kits include a weatherproof cowl. Models featuring a low profile fascia offer a more stylish and unobtrusive installation into any wall and are supplied with an exterior grille. Other models are supplied with an exterior cowl. 5 year warranty.

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	Model	Order Code
					(l/s)	(m³/hr)						
	150	Axial	20	60	101	364	0.20	40	Square	Standard	XPLP150SS	FAN0621
										Timer	XPLP150ST	FAN0623
	125	Axial	20	35	36	130	0.56	41	Square	Standard	XPLP125SS	FAN0614
										Timer	XPLP125ST	FAN0615
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	Model	Order Code
					(l/s)	(m³/hr)						
	300	Axial	82	60	306	1100	0.27	60	Square	Standard	XPS300S	FAN2042
	230	Axial	45	50	152	550	0.30	50	Square	Standard	XPS230S	FAN0455
										Standard	XP150S	FAN0135
	150	Axial	25	60	101	364	0.25	40	Square	Pull Cord	XP150P	FAN0140
										Timer	XP150T	FAN0141
										Standard	XP125S	FAN0080
	125	Axial	20	35	36	130	0.56	41	Square	Pull Cord	XP125P	FAN0082
										Timer	XP125T	FAN0083
										Standard	XP100S	FAN0053
	100	Axial	20	20	23	85	0.87	41	Square	Pull Cord	XP100P	FAN0054
										Timer	XP100T	FAN0055

Note: Installed system performance is always influenced by duct length and layout

Switching Options

Standard Remote switch (not supplied).

Timer Remote switch (not supplied). Fan continues operating for preset time after switching off. 150mm models include a fixed 7-minute timer. Timers on 125mm and 100mm models are adjustable from 1-20 minutes

Pull Cord Integral part of fan.

Accessories

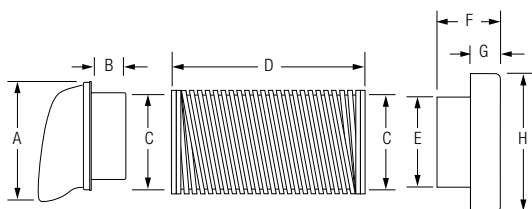
Fascia	Model	Duct	Round	Square		
			White	White	Satin Silver	Chrome
	XFLP	150mm	FAN0750	FAN0749	FAN2071	FAN0598
		125mm	FAN0748	FAN0747	FAN2068	FAN0755



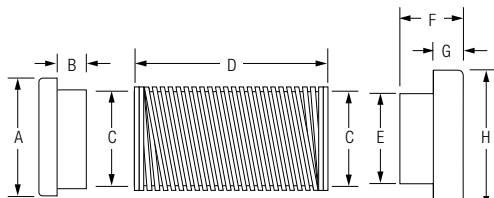
Through Wall Fan Kits - Standard

Dimensions (mm)

Model	Cut-Out Size	A	B	C	D	E	F	G	H
XPLP150	165	206	39	150	375	148	132	10	191
XPLP125	140	206	39	125	375	123	128	10	161
XPS300	310	350	50	230	375	298	156	81	362
XPS230	265	286	30	250	375	248	141	75	286
XP150	165	206	39	150	375	148	74	27	200
XP125	140	206	39	125	375	123	74	27	168
XP100	112	138	30	100	375	98	74	27	155



XPLP / XP



XPS

Technical

Model	XPLP	XPS	XP
Supply	220-240V AC, 50Hz		
Max. Operating Temp	50°C	50°C	50°C
IP Rating	IPX4	IPX4	IPX4
Exterior Grille	Chateau Weatherproof Cowl	White Fixed Grille	Chateau Weatherproof Cowl
Duct	Aluminium Semi-Rigid	Aluminium Semi-Rigid	Aluminium Semi-Rigid
Duct Length	375mm	375mm	375mm



Window Fans - SELV and Auto Shutter

These fans are designed for installation situations where an existing window fan is being replaced or where there is no available external wall or access to ceiling space. 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)

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	Model	Order Code
					l/s	m³/hr						
	100	Axial	20	20	23	85	0.87	41	Square	Pull Cord	WF100PLV	FAN5884

Safety Extra Low Voltage (SELV) & Auto Shutter

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	Model	Order Code
					l/s	m³/hr						
	150	Axial	25	60	87	313	0.29	40	Square	Pull Cord	WF150APLV	FAN5897

Auto Shutter

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	Model	Order Code
					l/s	m³/hr						
	300	Axial	82	60	306	1100	0.27	60	Square	Standard	WF300A	FAN0482
	230	Axial	45	50	152	550	0.30	50	Square	Pull Cord	WF230AP	FAN0146
	150	Axial	25	60	87	313	0.29	40	Square	Pull Cord	WF150AP	FAN0107
										Pull Cord Timer	WF150APT	FAN0109
	300	Axial	82	60	280	1020	0.29	60	Square	Standard/ Auto	COM300A	FAN0521
										Standard/ Pull Cord	COM300MP	FAN0520
	230	Axial	45	50	185	670	0.24	53	Square	Standard/ Auto Standard/ Pull Cord	COM230A	FAN0519
											COM230MP	FAN0518

Note: Installed system performance is always influenced by duct length and layout

Electrically operated louvre shutters open automatically when fan is running - prevents backdraughts.

Switching Options

Standard

Remote switch (not supplied).

Pull Cord Timer

Pull cord is integral part of fan. Fan continues operating for 7 minutes after switching off.

Pull Cord

Integral part of fan.

Standard/Auto

Remote switch (not supplied) and internal thermo-activation of shutters

Standard/Pull Cord

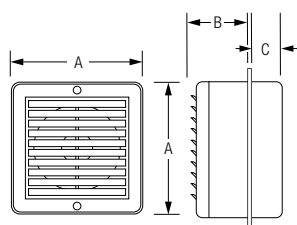
Remote switch (not supplied) and manual operation of shutters by pull cord



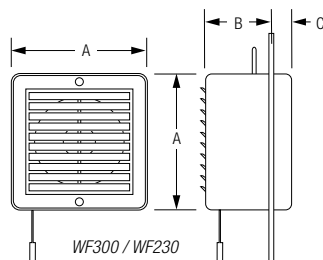
Window Fans - SELV and Auto Shutter

Dimensions (mm)

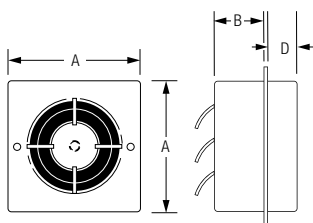
Model	Cut-Out Size	A	B	C	D
WF300	310-345	362	4-32	112	29
WF230	255-270	286	4-32	112	25
WF150	165-190	203	120	23	-
WF100	115-155	163	120	30	-
COM300	310-345	362	170	145	25
COM230	255-270	286	154	125	25



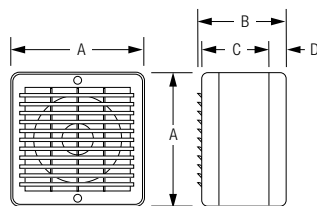
WF150



WF300 / WF230



WF100



COM300 / COM230

Technical

Supply	SELV	12V AC
	Auto Shutter	220-240V AC, 50Hz
Max. Operating Temp		50°C
IP Rating		IPX4



Window Fans - Standard

These fans are designed for installation situations where an existing window fan is being replaced or where there is no available external wall or access to ceiling space. 5 year warranty.

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	Model	Order Code
					(l/s)	(m³/hr)						
	300	Axial	82	60	306	1100	0.27	60	Square	Pull Cord	WF300P	FAN0481
	230	Axial	45	50	152	550	0.30	50	Square	Pull Cord	WF230P	FAN0148
	100	Axial	20	20	23	85	0.87	41	Square	Pull Cord	WF100P	FAN0021

Note: Installed system performance is always influenced by duct length and layout

Electrically operated louvre shutters open automatically when fan is running - prevents backdraughts.

Switching Options

Standard Remote switch (not supplied).

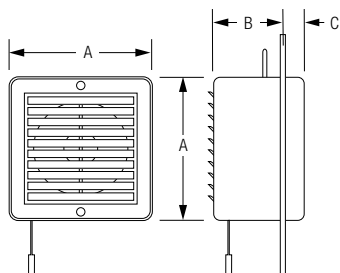
Pull Cord Integral part of fan.



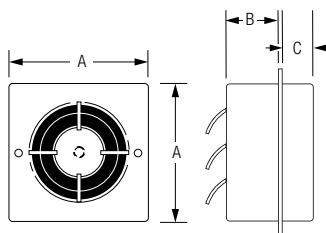
Window Fans - Standard

Dimensions (mm)

Model	Cut-Out Size	A	B	C	D
WF300	310-345	362	4-32	112	29
WF230	255-270	286	4-32	112	25
WF100	115-155	163	120	30	-



WF300 / WF230



WF100

Technical

Max. Operating Temp	50°C
IP Rating	IPX4



Wall Fans - Internal and External

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

External wall fans are designed for use in residential and light commercial applications where a high performance, low noise solution is required. Three speed models enable further flexibility in a variety of applications. Specific applications include apartments where space is limited. 2 year warranty.

Internal - Standard

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)	Switching	Model	Order Code
					(l/s)	(m³/hr)					
	100	Centrifugal	45	120	31	110	1.45	45	Standard	CF200S	FAN0041

External - Supply Air

Classic	Duct (mm)	Fan Type	Scroll Dia. (mm)	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Model	Order Code
						(l/s)	(m³/hr)					
	150	Axial	-	48	80	73	263	0.66	48	Standard	WF150AX	FAN7015

External - Standard

Classic	Duct (mm)	Fan Type	Scroll Dia. (mm)	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Model	Order Code
						(l/s)	(m³/hr)					
	150	Axial	-	18	80	73	263	0.66	48	Standard	WF150AX	FAN2303
		Centrifugal	190	64	280	109	392	0.60	60	Standard	WF150C190	FAN2301
			220	97	380	118	423	0.81	61	Standard	WF150C220	FAN2302

External - 3 Speed

Classic	Duct (mm)	Fan Type & Speed	Scroll Dia. (mm)	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Model	Order Code
						(l/s)	(m³/hr)					
	150	Centrifugal High Medium Slow	190	64	280	113	408	0.58	60	Standard	WF150C190-3	FAN2316
				57	250	94	340	0.61	56			
				55	200	77	277	0.71	46			
		Centrifugal High Medium Slow	220	96	380	136	493	0.71	61	Standard	WF150C220-3	FAN2317
				69	340	113	408	0.61	56			
				60	280	94	340	0.64	50			

Note: Installed system performance is always influenced by duct length and layout

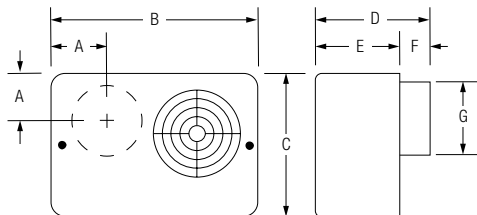
Switching Options: Standard - Remote switch (not supplied).



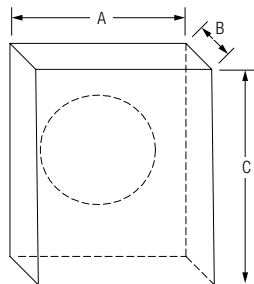
Wall Fans - Internal and External

Dimensions (mm)

Model	A	B	C	D	E	F	G
CF200	65	260	185	135	90	45	98
WF150	305	110	369			-	



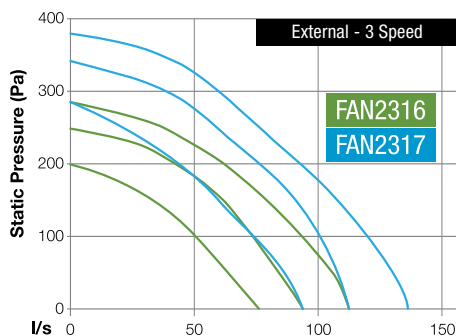
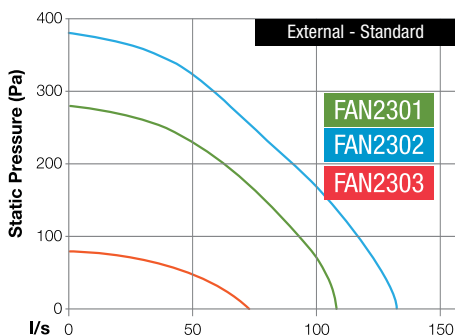
CF200



WF150

Technical

Model	CF200	WF150
Supply	220-240V AC, 50Hz	
Sound Level	45 dB(A)	
Max. Operating Temp	50°C	40°C
IP Rating	IPX4	IPX3



Heater-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 a wall switch. 5 year warranty.

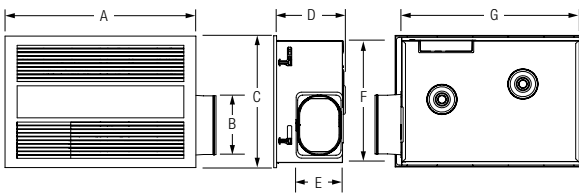
Low Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heating	Fascia	Order Code
					(l/s)	(m³/hr)			
	150	2 x Centrifugal	2115	145	106	380	1 X 2000W PTC	White	FAN7020
								Black	FAN7021
	150	Centrifugal	1100	146	69	248	1 x 1000W Halogen	White	FAN6577
	150	Centrifugal	1100	146	99	356	1 x 1000W Halogen	White	FAN5876
Vivo	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heating	Fascia	Order Code
					(l/s)	(m³/hr)			
	125	Centrifugal	2100	115	92	330	2 Level PTC 1400W/2000W	White	FAN7291

Note: Installed system performance is always influenced by duct length and layout

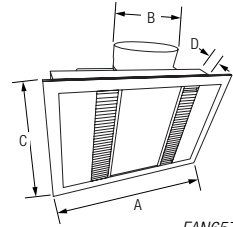


Dimensions (mm)

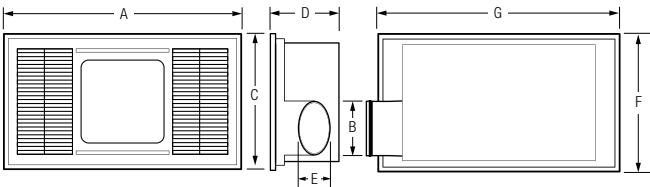
Model	Cut-Out Size	A	B	C	D	E	F	G
FAN7020 FAN7021	523 x 345	537	165	370	192	120	340	500
FAN6577	470 x 320	350	150	200	500	-		
FAN5876	470 x 320	350	150	200	500	-		
FAN7291	590 x 320	630	133	350	145	95	313	585



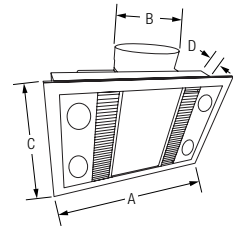
FAN7020 FAN7021



FAN6577



FAN7291



FAN5876

Technical

Model	FAN7020 FAN7021	FAN6577	FAN5876	FAN7291
Supply	220-240V AC, 50Hz			
Max. Load	2115W	1100W	1080W	2100W
Light	20W Panel 3000K, 4500K, 6000K 1400 lm	2 x 12W LED Panels 3000k, 4500K, 6000K	4 x 4W LED GU10 LED downlight 3000K 38°C	20W Panel 4000K 1900 lm
Switch Plate	4-Way (supplied)	3-Way (supplied)	3-Way (supplied)	4-Way (supplied)
Max. Operating Temp	40°C	40°C	40°C	50°C
IP Rating	IPX2	IPX2	IPX2	IPX2
Exterior Grille	150mm Fixed Louvre	150mm Eggcrate	150mm Eggcrate	150mm Eggcrate
Duct	3m x 150mm	3m x 150mm	3m x 150mm	3m x 125mm



Heat-Fan-Light Systems / Heat-Light Systems

These multi-function Heat-Fan-Light systems are designed to meet the higher operational demands of both small and large bathrooms. Fans incorporate a unique anti-condensate design and efficient LED centre lamps. All systems are supplied with duct, grille and a wall switch. 5 year warranty.

The FAN2200 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, along with a 150-100mm reducer can be added for a complete HEAT-FAN-LIGHT solution. 5 year warranty.

Heat-Fan-Light Systems

Ventair Heatforce DC Boost	Duct (mm)	Fan Type	Total Watts (W)	Free Air Fan Performance		Heating	Fascia	Order Code
				(l/s)	(m³/hr)			
	150	Centrifugal	600	22/112	80/403	2x 275W	White	HEA2W-B
	150	Centrifugal	1200	22/112	80/403	4x 275W	White	HEA4W-B

SATIN Low Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heat Lamps	Fascia	Order Code
					(l/s)	(m³/hr)			
	125	Centrifugal	1138	TBC	84	303	4 x 275W	White	FAN6882
								Silver	FAN6883
	125	Centrifugal	588	71	75	270	2 x 275W	White	FAN6880
								Silver	FAN6881

Low Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heat Lamps	Fascia	Order Code
					(l/s)	(m³/hr)			
	125	Centrifugal	1190	83	60	216	4 x 275W	White	FAN0995
	125	Centrifugal	620	79	50	180	2 x 275W	White	FAN0940

Standard Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heat Lamps	Fascia	Order Code
					(l/s)	(m³/hr)			
	100	Centrifugal	670	79	35	126	2 x 275W	White	FAN2162

SPARTA Standard Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heat Lamps	Fascia	Order Code
					(l/s)	(m³/hr)			
	125	Centrifugal	593	79	50	180	2 x 275W	White	FAN1281
			1143		50	180	4 x 275W		FAN1282

Heat-Light Systems *Note: Heat and light unit only - ready for the addition of an inline fan system (Order separately)*

Standard Profile	Duct (mm)	Total Watts (W)	Heat Lamps	Fascia	Order Code
	100	650	2 x 275W	White	FAN2200

Note: Installed system performance is always influenced by duct length and layout

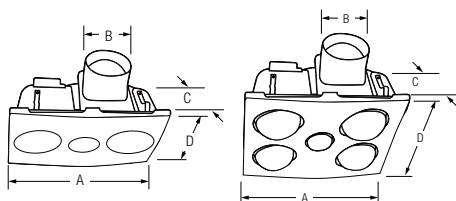


Heat-Fan-Light Systems / Heat-Light Systems

Accessories

Description	Chrome
275W Heat Lamp	LHT0081
LED Replacement Lamp for Pro-Series and Classic Units	LHT0211
275W Heat Lamp for HEA2W-B and HEA4W-B	HEA275

Contact Simx Customer Service for replacement LED.
sales@simx.co.nz



Dimensions (mm)

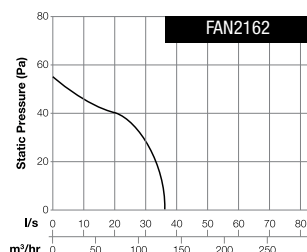
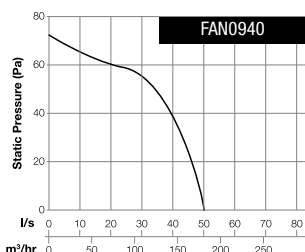
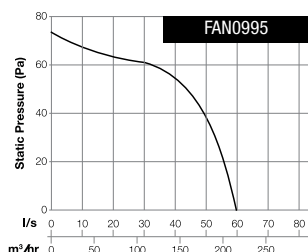
Model	Cut-Out Size	A	B	C	D
HEA2W-B	380x 202	443	150	220	268
HEA4W-B	320 x 320	395	150	220	395
FAN6882 FAN6883	320 x 320	370	125	210	370
FAN1282	320 x 320	410	125	210	370
FAN6880 FAN6881	375 x 202	419	125	198	244
FAN1281	375 x 198	425	125	200	230
FAN0995	300 x 300	338	125	170	338
FAN0940	390 x 220	435	125	185	260
FAN2162 FAN2200	390 x 220	450	100	195	250

Note: Free Air Fan Performances for FAN0995, FAN0940 and FAN2162 are actually installed system rates for 3 metres of duct, one 90 degree bend and one external grille.

Technical

Model	HEA2W-B HEA4W-B	FAN6882 FAN6883	FAN6880 FAN6881	FAN0995	FAN0940	FAN2162	FAN1281	FAN1282	FAN2200
Supply	220-240V AC, 50Hz								
Light	3000K 4000K 5000K	LED 4000K	LED 4000K	LED 3000K	LED 3000K	LED 3000K	LED 4000K	LED 4000K	LED 3000K
Light Wattage	10W	10W	10W	4.5W	4.5W	8W	8W	8W	8W
Switch Plate	3-Way (HEA2W-B) 4-Way (HEA4W-B) (supplied)	4-Way (supplied)	3-Way (supplied)	4-Way (supplied)	3-Way (supplied)	3-Way (supplied)	3-Way (supplied)	4-Way (supplied)	2-Way (supplied)
Max. Operating Temp	40°C								
IP Rating	IPX4								
Exterior Grille	150mm Fixed Louvre	125mm Fixed Louvre	125mm Fixed Louvre	125mm Eggcrate	125mm Eggcrate	100mm Eggcrate	100mm Eggcrate	100mm Eggcrate	-
Duct	2m x 150mm	3m x 125mm	3m x 125mm	3m x 125mm	3m x 125mm	3m x 100mm	1.5m x 125mm	1.5m x 125mm	-

Manrose Heat-Fan-Light systems have been tested to the downlight standard AS/NZS60598.2.2 Amendment A and are all classified as CA135.



Through Roof Fan Cows

High quality aluminium cowl construction with fan incorporated. 2 year warranty.

Through Roof Fan Cows - Air Extraction

Classic	Tube (mm Ø)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Colour	Product Code
					l/s	(m³/hr)					
	250	Centrifugal	125	400	255	920	0.49	66	Standard	Black	FAN7306
	150	Centrifugal	70	320	153	550	0.46	62	Standard	Silver	FAN0529
		Centrifugal	70	320	153	550	0.46	62	Standard	Black	FAN1520
		Centrifugal (3-Speed)	70	320	153	550	0.46	62	Standard	Silver	FAN1002
		EC Axial	18	91	105	380	0.17	38	Standard	Silver	FAN0531
		EC Axial	18	91	105	380	0.17	38	Standard	Black	FAN1521

Through Roof Fan Cows - Air Supply

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

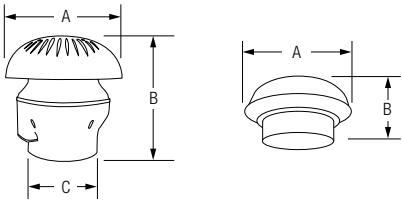
Accessories

Model	Filter Ring
FAN7306	DCT2254



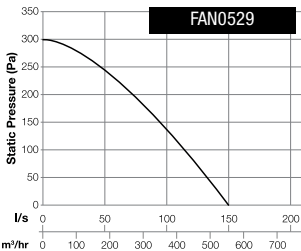
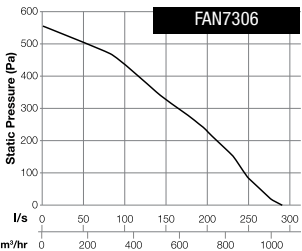
Dimensions (mm)

Model	A	B	C
FAN7306	400	400	248
FAN0529 FAN1520 FAN0531 FAN1521 FAN0533 FAN1002	275	170	-



Technical

Model	FAN7306	FAN0529	FAN1002	FAN0531	FAN0533
Supply	220-240V AC, 50Hz				
Operating Temp	-25°C - 40°C	-25°C - 50°C		-20°C - 45°C	
IP Rating	IP44	IP23		IP44	



Through Roof Fan Kits

High quality aluminium cowl construction with fan incorporated. 2 year warranty.

Through Roof Fan Cowl with Flashing & HDPE Tube - Air Extraction

Classic	Tube (mm Ø)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Cowl Colour	Product Code
					(l/s)	(m³/hr)					
	250	Centrifugal	125	400	255	920	0.49	65	Standard	Silver	FAN7307
		Centrifugal (High Performance)	135	545	265	954	0.51	70	Standard	Silver	FAN2123
	150	Centrifugal	70	320	153	550	0.46	62	Standard	Silver	FAN0530
		Centrifugal	70	320	153	550	0.46	62	Standard	Black	FAN1522
		Centrifugal (3-Speed)	70	320	153	550	0.46	62	Standard	Silver	FAN0967
		EC Axial	18	91	105	380	0.17	38	Standard	Silver	FAN0532
		EC Axial	18	91	105	380	0.17	38	Standard	Black	FAN1523

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

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

Through Roof Fan Cowl with Flashing & HDPE Tube - Air Supply

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

Through Roof Fans with Flashing for Metal Based Roofs - Air Extraction

Classic	Tube (mm Ø)	Fan Type	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Cowl Colour	Product Code
					(l/s)	(m³/hr)					
	150	Centrifugal	70	320	153	550	0.46	62	Standard	Silver	FAN0535
	150	EC Axial	18	91	105	380	0.17	38	Standard	Silver	DCT0189
	150	EC Axial	18	91	105	380	0.17	38	Standard	Black	FAN1524

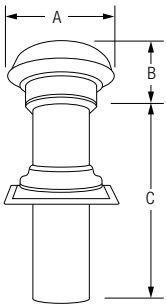


Accessories

Model	Cowl	Filter Ring
FAN7307 FAN2123	DCT2241	DCT2254

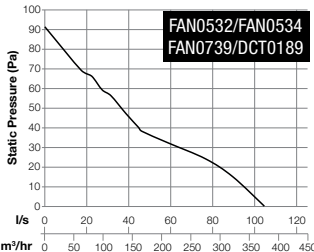
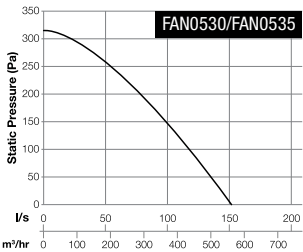
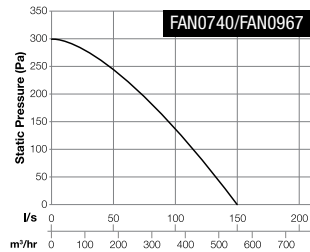
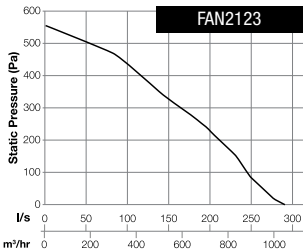
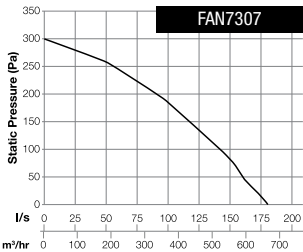
Dimensions (mm)

Model	A	B	C
FAN0530 FAN1522 FAN0532 Fan1523 FAN0534 FAN0739 FAN0740 FAN0967	275	170	500



Technical

Model	FAN7306 FAN2123	FAN0530 FAN0740	FAN0967	FAN0532 FAN0739	FAN0534
Supply	220-240V AC, 50Hz				
Max. Operating Temp	-25°C - 60°C		-25°C - 50°C		-20°C - 45°C
IP Rating	IP44		IP23		IP44



Roof Cows

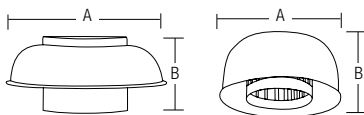
Roof Cows

Roof Cowl	Tube (mm Ø)	Description	Product Code
	150	General Purpose	DCT0708
		General Purpose Black	DCT0800
		Heavy Duty	DCT0709
		Heavy Duty Black	DCT0801

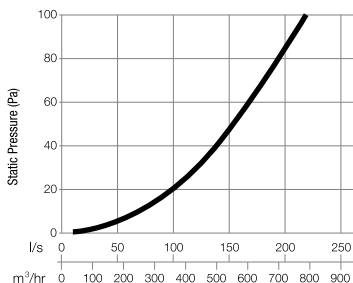
- Added exhaust aperture area and deep vent coverage
- Recommended where high winds in exposed locations may drive rain into the vent
- Also recommended for use in high airflow air intake systems to prevent rain being sucked into the system

Dimensions (mm)

Description	A	B
General Purpose	275	125
Heavy Duty	275	140



Technical - Pressure Loss



Roof Cowl Kits

Roof Cowl Kits

Roof Cowl Kit	Tube (mm Ø)	Description	Product Code
	200	Medium Duty Kit with Aluminium Cowl and 0.5m Galvanised Tube	DCT3603
		Heavy Duty Kit with Aluminium Cowl and 0.5m Galvanised Tube	DCT3604
	150	General Purpose Kit with Aluminium Cowl and 0.5m HDPE Tube	DCT0172
		General Purpose Kit with Aluminium Cowl and 0.5m Galv Tube	DCT4268
		General Purpose Kit with Black Aluminium Cowl and 0.5m HDPE Tube	DCT0802
		Heavy Duty Kit with Aluminium Cowl and 0.5m HDPE Tube	DCT0710
		Heavy Duty Kit with Black Aluminium Cowl and 0.5m HDPE Tube	DCT0803
		General Purpose Kit with Aluminium Cowl, 0.5m HDPE Tube and Heavy Duty Lead Flashing	DCT1095
	150 to 125	Reducer	DCT2066
	150 to 100	Reducer	DCT2122

- Flashing, for metal based roofs, included and all fittings supplied (*refer to Roof Flashings below*)
- Optional lead flashing available (*refer to Roof Flashings below*)
- Reducers fit to the bottom of HDPE tube to adapt to smaller duct diameters where required
- 150mm general purpose kit suitable for moderately exposed sites. Synthetic rubber flashing, for metal based roofs, included along with screw fasteners and tube strap

Roof Cowl Kit	Tube (mm Ø)	Description	Product Code
	100	Angled	DCT2205

- 0.5m PVC tube (110mm), suitable for smaller applications
- To be mounted on tile roofs only
- Weathering slate included
- Flashing size: 450 x 450mm

Through Roof Fan Accessories

Description	Product Code
Roof flashing - fits 110-160mm (flashing size: 285 x 285mm)	DCT0180
Roof flashing for use on concrete tile, clay tile and slate roofing (flashing size: 460 x 600mm)	DCT0190
0.5m x 150mm HDPE tube	DCT0183
Stitching screws for roof flashing	FAN0400



MultiVent

Continuous Extract Ventilation

from **Vent-Axia**.

FREE

CONTINUOUS EXTRACT
DESIGN SERVICE

Complies with
**New Zealand Green Building Council
Homestar v5 - Level 6 to Level 8***

**An additional 1 point available for commissioning.*



Improved Indoor Air Quality

Virus and pollutant extraction as part of improved IAQ.
Continuous slowly refreshed air through market leading
MultiVent continuous extract ventilation system.



Continuous Extract with
Automated Humidity Control



Ultra Quiet & Energy
Efficient Performance



Overheated Air Purging
Via Manual Switch Control



MultiVent Continuous Extract Ventilation System

The MultiVent continuous extract ventilation system is a centralised fan unit mounted in your roof cavity or cupboard that draws stale moist air and odours from your bathroom, laundry and toilet, delivering better indoor air quality. The extracted air is replaced through natural air flow through the gaps around doors and windows, trickle inlet slots, or the Manrose Puro Filtered Passive Vent Kit (DCT4565).

This slow continuous flow with humidity sensed boost automation from the Vent-Axia MultiVent unit ensures refreshed indoor air quality by extracting pollutants including volatile organic compounds, bacteria and viruses - as recommended by health authorities including WHO. 7 year warranty.

MultiVent	Duct (mm)	Fan Type	Max Fan Watts (W)	Max Fan Pressure (Pa)	Free Air Fan Performance		Minimum Specific Fan Power (W/l/s)	Sound dB(A)	Order Code
					(l/s)	(m³/hr)			
	125/150	Centrifugal	85	810	159	572	0.14	52	FAN7200 (Ventilation Kit)
									FAN7453 (Single Unit)

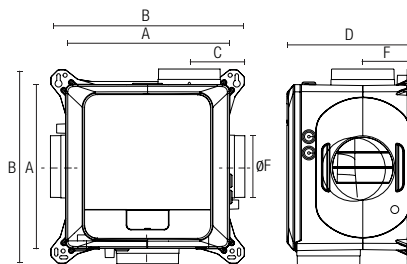
- Continuous "trickle" extract ventilation from three rooms
- Automated boost speeds activated via humidity sensing and control
- Four speed centrifugal fan
- 123 l/s (443 m³/hr) at 200 Pa
- Market leading lo-carbon energy efficiency
- On-board digital controls for speedy installation
- Proportional humidity sensor
- Compact design
- Manufactured in the UK from recycled materials

Dimensions (mm)

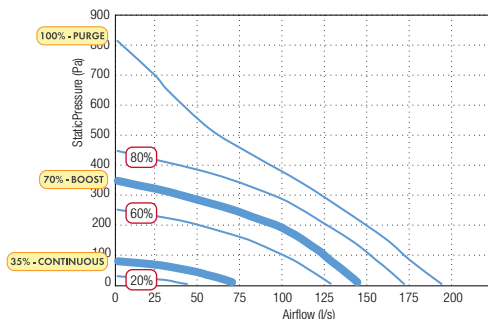
Ceiling Extract Cut-Out Size	A	B	C	D	E	ØF
123mm	330	390	111	250	96	125

Technical

Supply	220-240V AC, 50Hz
Max. Operating Temp	40°C
IP Rating	IPX2
Motor Housing	Die Cast Aluminium
Impeller & Outer Rotor	PBT Plastic
Weatherproof Cowl	150mm Stainless Steel
Ducting	Aluminium Foil



Performance Guide – variable speed range



Contents

- 1x MultiVent Base Unit
- 1x 150mm Weatherproof Cowl - Stainless Steel
- 3x 125mm x 6m Aluminium Foil Flexible Duct
- 1x 150mm x 6m Aluminium Foil Flexible Duct
- 3x 125mm Cone Adjustable Mainflow Ceiling Extract Diffuser
- 1x 150mm to 125mm Reducer and Joiner
- 1x 30m x 48mm PVC Duct Tape



Inline Centrifugal Extract Fans

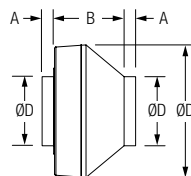
These Alaskon K fans are designed for installation in ducts. All the Alaskon K fans have minimum 25mm long spigot connections. The fans have backward-curved blades and external rotor motors. 2 year warranty.

Alaskon K	Fan Speed (RPM)	230V/50Hz/1 Φ		Sound dB(A)	Free Air Fan Performance		Capacitor (uF)	K Model	Order Code
		Motor Input (kW)	Full Load Current (A)		(l/s)	(m ³ /s)			
	2560	0.108	0.47	43	210	0.21	3	150L	FAN5452
	2560	0.112	0.50	43	235	0.24	3	200M	FAN5454
	2500	0.165	0.71	45	285	0.29	3.5	200L	FAN5453
	2640	0.111	0.50	47	240	0.24	3.5	250L	FAN5455
	2550	0.269	1.18	48	425	0.43	7	315L	FAN5457

- High efficiency backward curve motorised impeller
- Full metal construction
- Suitable for outside applications
- Speed-controllable
- Sealed for life ball bearings

Dimensions (mm)

Model	Dimensions				Weight (kg)
	Ød	Ød	A	B	
150L	149	345	30	170	3.9
200M	149	245	35	228	4.1
200L	199	345	32	160	4.0
250L	249	345	30	163	4.7
315L	314	402	32	185	6.0



Technical

K Model	150L	200M	200L	250L	315L
Supply	220-240V AC, 50Hz				
Max. Operating Temp	70°C				
IP Rating	IP44				



Roof Mounted Axial Extract Fans - Side Discharge

These fans are designed for general purpose commercial applications. They are suitable for air extraction situations where air volumes are moderate and pressures are low. The motorised impellers are efficient, smooth running and have excellent low sound characteristics. Speed can be controlled by electronic or autotransformer voltage regulation. Cowl material is UV-stabilised Rovel polymer or polyethylene. 2 year warranty.

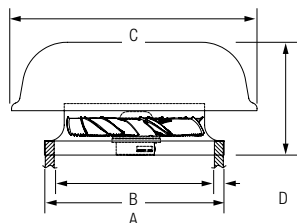
Alaskon BRA	Fan Speed (RPM)	230V/50Hz/1 Φ		Sound dB(A)	Induct Sound Power Level (dB re 10 ⁻¹² Watts)								Model	Order Code
		Motor Input (kW)	Full Load Current (A)		63	125	250	500	1k	2k	4k	8k		
	1390	69	0.53	40	62	59	61	60	58	56	54	43	BRA2541	FAN3751
	1250	75	0.32	38	66	64	59	55	52	50	46	38	BRA3041	FAN3753
	1340	165	0.73	42	76	68	61	57	57	55	52	46	BRA3541	FAN3759
	1430	160	0.73	49	76	72	66	65	65	61	57	52	BRA4041	FAN3762
	1310	490	2.36	48	75	68	64	63	63	63	59	57	BRA4541	FAN3769
	1300	680	3.0	47	77	72	63	61	61	60	58	52	BRA5041	FAN3774
	895	410	1.8	46	68	75	61	62	64	58	51	49	BRA5661	FAN3780
	860	600	2.62	46	71	68	63	64	62	58	52	52	BRA6361	FAN3786

- External rotor motorised impeller
- Sickle shaped low sound impeller
- UV-stabilised Rovel polymer or polyethylene cowl

- Speed controllable
- Sealed for life ball bearings

Dimensions (mm)

Model	Size (mm)	Dimensions					Weight (kg)
		A*	B*	C	D	E	
BRA2541	250	400	300	480	253	50	8
BRA3041	300	460	360	600	259	50	14
BRA3541	350	530	430	710	355	50	18
BRA4041	400	580	480	710	355	50	18
BRA4541	450	630	530	844	390	50	31
BRA5041	500	660	560	970	435	50	36
BRA5661	560	730	630	1150	470	50	41
BRA6361	630	810	750	1150	470	50	43



* Upstand construction details

Technical

Model	BRA2541	BRA3041	BRA3541	BRA4041	BRA4541	BRA5041	BRA5661	BRA6361
Poles	4	4	4	4	4	4	6	6
Supply	220-240V AC, 50Hz							
Max. Operating Temp	50°C	50°C	60°C	40°C	60°C	60°C	60°C	60°C
IP Rating	IP54							

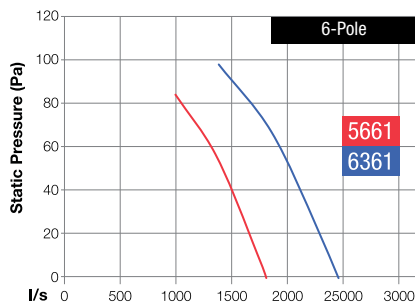
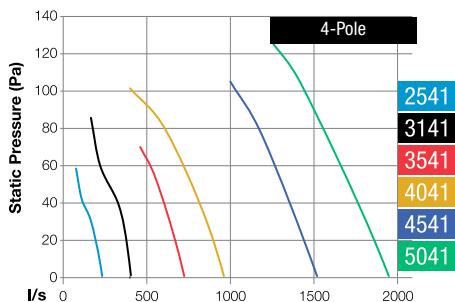


Plate Mounted Axial Extract Fans

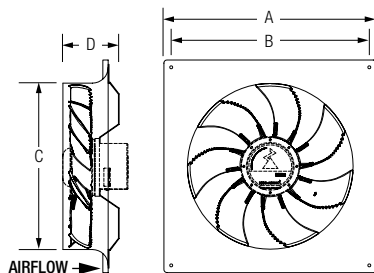
These fans are for general purpose commercial applications. They are suitable for air extraction situations where air volumes are moderate and pressures are low. The motorised impellers are efficient, smooth running and have excellent low sound characteristics. Speed can be controlled by electronic or autotransformer voltage regulation.

Alaskon BAP	Fan Speed (RPM)	230V/50Hz/1 Φ		Sound dB(A)	Induct Sound Power Level (dB re 10 ⁻¹² Watts)								Model	Order Code
		Motor Input (kW)	Full Load Current (A)		63	125	250	500	1k	2k	4k	8k		
	1390	69	0.53	40	62	59	61	60	58	56	54	43	BAP2541	FAN5334
	1250	75	0.32	38	66	64	59	55	52	50	46	38	BAP3041	FAN5335
	1340	165	0.73	42	76	68	61	57	57	55	52	46	BAP3541	FAN5336
	1430	160	0.73	49	76	72	66	65	65	61	57	52	BAP4041	FAN5337
	1310	490	2.36	48	75	68	64	63	63	63	59	57	BAP4541	FAN5338

- External rotor motorised impeller
- Sickle shaped low sound impeller
- Speed controllable
- Sealed for life ball bearings
- Integral inlet wireguard

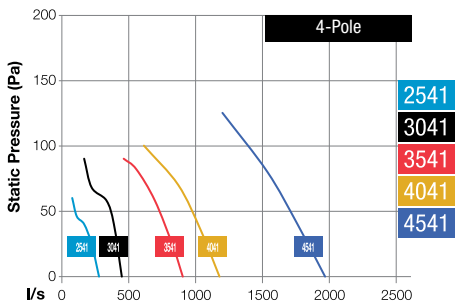
Dimensions (mm)

Model	Dimensions				Weight (kg)
	A	B	C	D	
BAP2541	370	320	260	90	4
BAP3041	430	380	325	90	5
BAP3541	485	435	360	90	6
BAP4041	540	490	410	110	9
BAP4541	575	535	460	110	10



Technical

Model	BAP2541	BAP3041	BAP3541	BAP4041	BAP4541
Supply	220-240V AC, 50Hz				
Max. Operating Temp	50°C		60°C	40°C	60°C
IP Rating	IP44				



Frame Fans

Frame fans are designed for use in computer rooms or applications where the introduction of cool air is required for small enclosed spaces. 2 year warranty.

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	Model	Order Code
					(l/s)	(m³/hr)					
	150	Axial	18	91	105	380	0.17	38	Standard	FF150	FAN1043

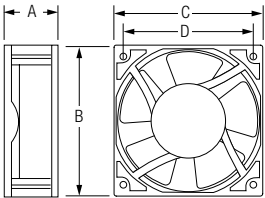
Accessory

Model	Finger Guard
FF150	FAN0841



Dimensions (mm)

Model	A	B	C	D
FF150	51	150	172	160



Technical

Model	FF150
Supply	220-240V AC, 50Hz
Max. Operating Temp	70°C
IP Rating	IPX2



VHR EC Heat Recovery Units

Crossflow Heat Exchanger

In addition to providing energy conservation, the VHR units are designed to offer high quality indoor air. Thanks to the non-permeable crossflow core, these units lend themselves to a wide range of applications. The EC fan technology allows high energy efficiency and low noise levels.



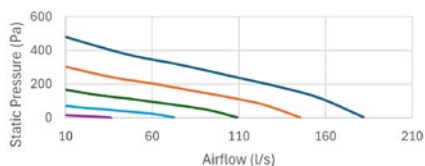
Model	Airflow		Core Efficiency	Wattage	Power Supply	Specific Fan Power (W.S.L-1)	Air Filters	Type of Unit	Order Code
	@ 0 Pa	@ 150 Pa							
VHR04-EC	199 l/s	166 l/s	Efficiency up to 70% depending on working conditions.	2x85 W	230V 50Hz	1.02	G4 Panel filters	Standard	FAN5788
								Bypass	FAN6573
VHR09-EC	271 l/s	244 l/s		2x170 W		1.4		Standard	FAN5647
								Bypass	FAN5832
VHR11-EC	359 l/s	294 l/s		2x170 W		1.16		Standard	FAN6218
								Bypass	FAN6575
VHR16-EC	536 l/s	499 l/s		2x500 W		2		Standard	FAN6281
								Bypass	FAN6386
VHR29-EC	757 l/s	690 l/s		2x500 W		1.48		Standard	FAN5349
				Bypass	FAN5576				
VHR36-EC	1014 l/s	936 l/s	2x780 W	1.67	Standard	FAN6204			
					Bypass	FAN6576			
VHR51-EC	1378 l/s	1302 l/s	2x1300 W	2	Standard	FAN5404			
					Bypass	FAN6205			

General Information

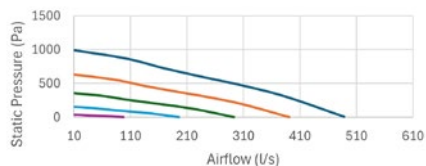
Model	Unit	Length (mm)	Width (mm)	Height (mm)	Duct Connection ø (mm)	Weight (kg)	Service Clearance (mm)
VHR04-EC	Standard	805	725	300	160	28.5	400
	Bypass			354		37	
VHR09-EC	Standard	905	855	330	200	39	525
	Bypass			395		46	
VHR11-EC	Standard	940	1005	445	250	61	600
	Bypass			539		67	
VHR16-EC	Standard	1155	1025	435	300	67	625
	Bypass			522		85	
VHR29-EC	Standard	1405	1115	430	355	95	525
	Bypass			530		120	
VHR36-EC	Standard	1455	1110	590	400	136	550
	Bypass			690		142	
VHR51-EC	Standard	1655	1265	680	450	164	550
	Bypass			916		190	



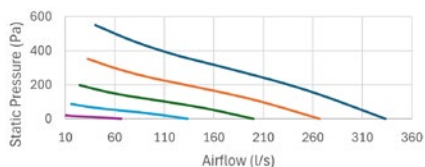
VHR04-EC



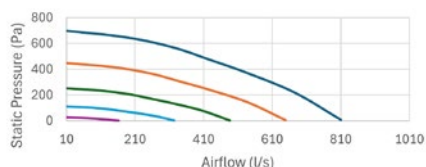
VHR16-EC



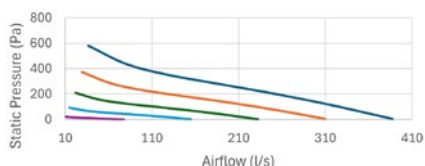
VHR09-EC



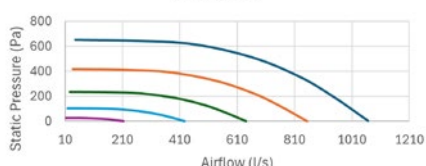
VHR29-EC



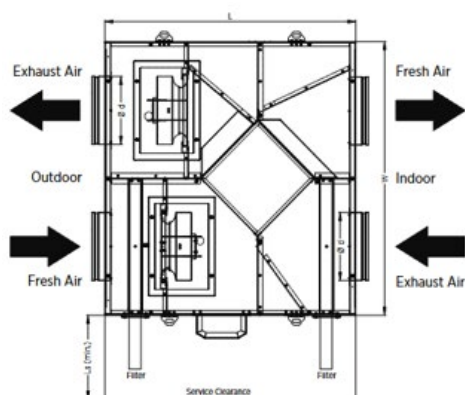
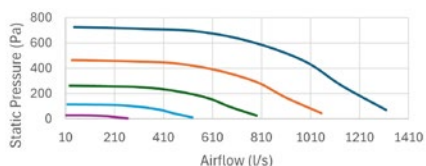
VHR11-EC



VHR36-EC



VHR51-EC



Accessories

Passive Fresh Air Supply

Puro Filtered Passive Vent Kit	DC14565
Calma Acoustic Passive Ventilation Kit	DC10101
Aria Settable Passive Ventilation Kit	DC10102



Ducting

Aluminium Flexible Duct x 3m

150mm	DC10330
125mm	DC10329
100mm	DC10328



Acoustic Duct x 3m

150mm	DC10633
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PVC Flexible Duct

150mm x 3m	DC10338
125mm x 4m	DC10337
100mm x 5m	DC10336



Semi-Rigid Duct x 3m

150mm	DC10116
125mm	DC10115
100mm	DC10114



Duct Accessories

Inline Backdraught Shutters

150mm PVC	DC10511
125mm PVC	DC10036
100mm PVC	FAN0213



Duct Joiners

150mm Metal	DC10059
125mm Metal	DC10037
100mm PVC	DC10159



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	DC10173
Duct Tape - 48mm x 30m	DC10807



Interior Grilles/Soffit Grilles

Low Profile Grilles - Round Plastic

150mm - Matte Black	DC14401
150mm - Gloss White	DC11067
125mm - Gloss White	DC11090
100mm - Gloss White	DC11089
150mm - White EasyFit Grille	DC11550
150mm - Black EasyFit Grille	DC11553



Interior Grilles/Soffit Grilles

Low Profile Grilles - Square Plastic

150mm - Matte Black	DC14259
150mm - Gloss Black	DC14314
150mm - Gloss White	DC12225
125mm - Gloss White	DC12224
100mm - Gloss White	DC12223



Interior Grilles/Soffit Grilles

Standard Profile Grilles - Round Plastic

150mm - Matte Black	DC14257
150mm - Gloss Black	DC14315



Flat Face Grilles - Square Plastic

150mm - Matte Black	DC14371
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Eggcrate Grilles - White Plastic

150mm	DC10473
125mm	DC10472
100mm	DC10375



Exterior Grilles

Weatherproof Cowls

(includes flap and bird mesh)

150mm - Matte Black Plastic	DC14261
125mm - Matte Black Plastic	DC14399
100mm - Matte Black Plastic	DC14400
150mm - Gloss Black Plastic	DC14316
150mm - Gloss White Plastic	DC11031
125mm - Gloss White Plastic	DC11030
100mm - Gloss White Plastic	DC10018
150mm - Stainless Steel	DC13616
125mm - Stainless Steel	DC13615
100mm - Stainless Steel	DC13614
150mm - Chateau Cowl White	DC10304
150mm - Chateau Cowl Black	DC10305
125mm - Chateau Cowl White	DC10302
125mm - Chateau Cowl Black	DC10303
150mm - Chateau Cowl White (Hangsell)	DC10304H
150mm - Chateau Cowl Black (Hangsell)	DC10305H
125mm - Chateau Cowl White (Hangsell)	DC10302H
125mm - Chateau Cowl Black (Hangsell)	DC10303H



Gravity Shutter Grilles

150mm - Black Plastic	DC14320
150mm - White Plastic	DC10066
125mm - White Plastic	DC10044
100mm - White Plastic	DC10029
150mm - Stainless Steel	DC12147
125mm - Stainless Steel	DC12146
100mm - Stainless Steel	DC12145



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



Through-Wall Duct Kits

375mm through-wall Rigid Duct + Chateau Cowl

150mm + White cowl	DCT1543
150mm + Black cowl	DCT1544
125mm + White cowl	DCT1541
125mm + Black cowl	DCT1542



375mm through-wall Semi-Rigid Duct + Chateau Cowl

150mm + White cowl	DCT0310
150mm + Black cowl	DCT0311
125mm + White cowl	DCT0308
125mm + Black cowl	DCT0309



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), AC only

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, AC/EC

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



Transformers

Electronic Transformer 12V AC, 50KHz

Transformer	FAN2101
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SELV Isolating Transformer 12V AC

Transformer	FAN0436
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Thermostats

Electronic Temperature Sensor Thermostats

Automated Touch Screen	FAN7194
Mechanical	FAN5856



Speed Controllers

For XF/XP/WF 230/300 Fans*

2 Speed + Reverse	FAN0155
Adjust Speed + Reverse	FAN0156

* Load must be between 20-200W



General Purpose up to 500W

ON-OFF + Adjustable	FAN2104
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Fan Mounting Brackets

Centrifugal Fan Mounting Bracket Pairs

Duct Size: 100-200mm	FAN0015
Duct Size: 250-315mm	FAN0016



Replacement Lamps

LED MR16

230V AC Silver GU10 4.5W	LHT0211
12V DC Silver GX5.3 3W	LHT0221
R80 Frosted 8W	LHT0979



Infrared Heat Lamps

R125 ES 275W	LHT0081
216mm Linear R7S 1000W	LHT0326
Heat Lamp 275W	HEA275



MANROSE®
DESIGNER SERIES

CHATEAU

WEATHERPROOF COWL

125mm & 150mm
Matte Finish



**NZ PRODUCT
DEVELOPMENT
BREAKTHROUGH**

Superior
UV
Colour Stability



Designed for use in adverse weather conditions

-  Superior UV Colour Stability.
Proven by accelerated testing
-  Clean design aesthetics with matte finish
-  Quiet monofilm backdraught shutters
-  Birdmesh at underside to completely prevent entry



DCT0302
125mm White



DCT0303
125mm Black



DCT0304
150mm White



DCT0305
150mm Black

16% Improved airflow rate over
competitor cowls for typical
NZ extraction system