



PRODUCT CATALOGUE

EXTRACTION | VENTILATION | HEATING | LIGHTING | SENSORS |
HAND DRYERS | CHIMES



MANROSE™





As a leading supplier to the New Zealand building and electrical industry, Simx is committed to the development and delivery of high-quality products that are sustainable, promote better health for people and buildings, and feature specifications that exceed market standards. Investment in product development, designs specific to New Zealand conditions and product and service reliability have been key forces driving the company to the forefront of the market for over 40 years.



Simx is an integral part of the UK publicly listed Volution Group, a leading supplier of ventilation products in markets including the UK, Europe and Australasia.

Sustainability and a commitment to a low-carbon future are key to the Volution Group which is demonstrated by the recent awarding of the London Stock Exchange's Green Economy Mark. This mark is only given to companies or funds, that derive more than 50% of revenues from environmental solutions. Currently, only 100 organisations have it and Volution Group were only the fourth Building Material's Company to receive it.

The Mark recognises that Vvolution Group plc is contributing to the global green economy and helps the company emphasise to investors its commitment to support the transition to a sustainable, low carbon economy.

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With over 100 staff and operations in Auckland and Christchurch, the Simx business includes new product design and development, sales, technical support and product training services for its customers throughout New Zealand. A network of local channel partners further complements these services, while close alliances with overseas and local suppliers establish the company as a credible supplier of a vast range of electrical, ventilation and lighting products.

Trusted by electricians and industry professionals, the Simx range covers residential, commercial and industrial markets, with leading global and local brands such as MANROSE, VENT-AXIA, SIMX LIGHTING and SMARTVENT.



TECHNICAL INFORMATION

Technical information, dimensions and performance charts can be found beneath product selection tables, or on the page following the product selection page. Technical information changes over time, so important data must be checked against the latest published versions located on our websites.

PRODUCT INDEX

The product index is an alphanumeric listing of order codes for products in the Simx portfolio and can be found on page 290.

DISCLAIMER

Simx is committed to the ongoing research, development and improvement of its products. As a result, products may be added, upgraded or occasionally withdrawn from the range.

Specifications and the product range are subject to change without notice. Please refer to our websites for the latest product information.



SOME RECENT ADDITIONS



34

CONTOUR DC

AIRBUS Continuous Extraction Fan



76

HEATFORCE DC

Continuous Heat Fan Light



195

FRESH

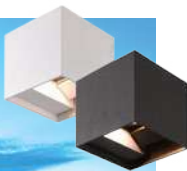
Through-wall MVHR



200

ECONIQ

Premium Heat Recovery Solution With App Control



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CUBIC

Exterior Up/Down Light



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ATLANTIS

Floodlights



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MANROSE®

CONTINUOUS EXTRACT SELECTION

Designed to provide fresh air in new, well-sealed homes

ECO

EC/DC

LOW
ENERGY
MOTORS



The Problem: Stale, Damp Homes

Modern homes are built to be more airtight, which is great for energy efficiency, but it often means they have insufficient ventilation.

Windows often don't open enough, and traditional fans only work when someone remembers to turn them on.

This leads to trapped moisture, condensation, and mould.



The Solution: Continuous Extraction

Continuous extraction provides peace-of-mind by replacing natural ventilation with 24/7 trickle extraction.

Continuous extraction creates negative pressure, drawing air through and out of the home.

These systems use quiet and energy-efficient fans, with boost for high-moisture events. They can even help mitigate summer overheating.

dMEV-C 125 Vent-Axia



Cost Effective Bathroom Automation

- Clever design for quick and simple installation
- Specifically designed for NZ conditions
- Optimised 125mm diameter energy efficient EC fan
- Continuous extraction with humidity-sensed automation to boost speeds

498098
Fan

455226
Wall Kit

MultiVent Vent-Axia



Cost Effective Centralised Automation

- Extract from 3 wet rooms using 1 unit with only 1 external penetration
- Continuous extraction with humidity-sensed automation for powerful boost speeds
- Integrate with Manrose passive air inlets for whole home ventilation
- Optional overheat air purging via manual switch control

FAN7200
3 Rooms Kit

FAN7453
Single Unit



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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.

SEE PAGE
13-22



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

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

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

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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

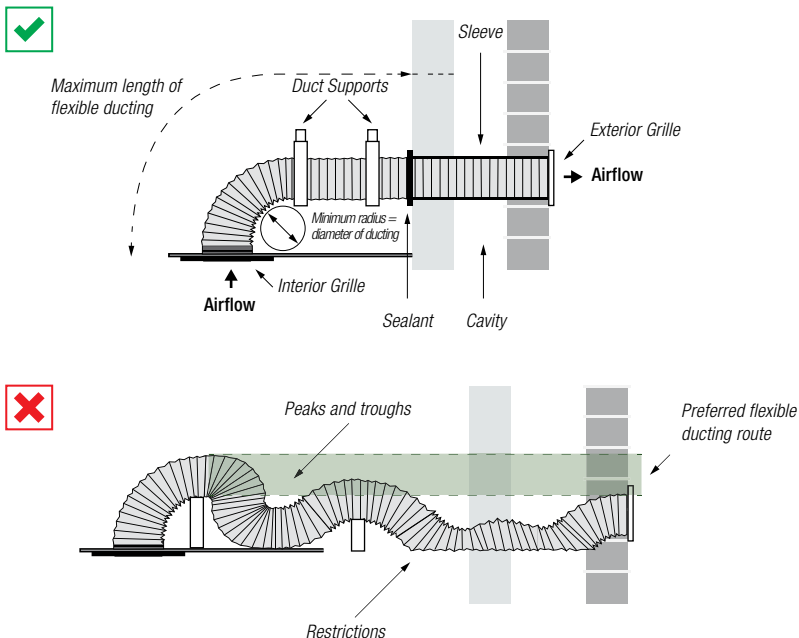
Residential Tenancy Regulations for existing rental properties are covered under the Healthy Homes Standards, subpart 4 - Ventilation Standards.

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	Mixflo 150	Mixflo 150	Mixflo 150
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.

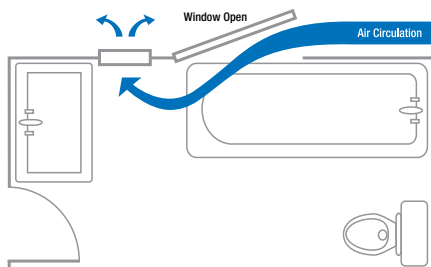


Fan Application Guidelines

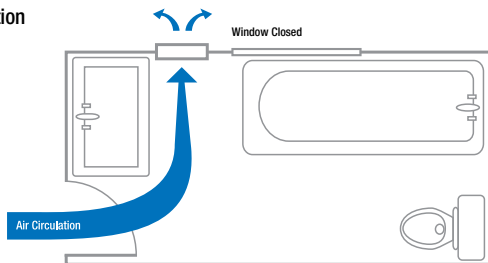
1. Consider the Location in the Room

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.

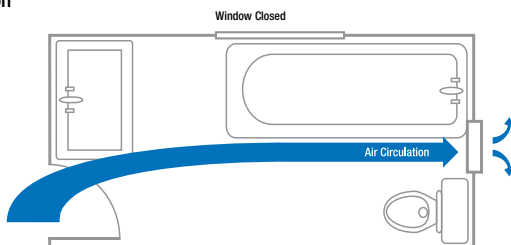
Poor Circulation



Medium Circulation

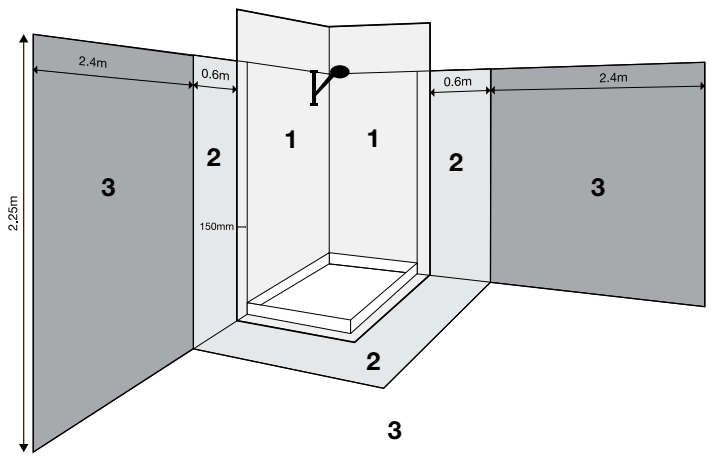


Best Circulation



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

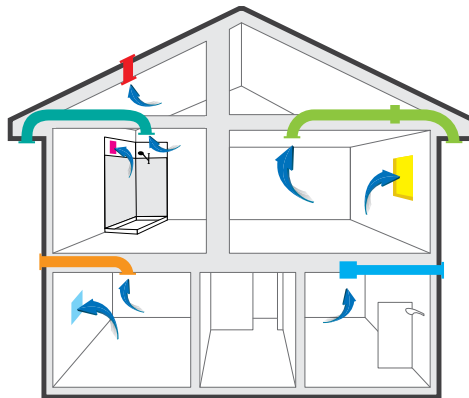


Fan Application Guidelines

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						
	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						
	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						
	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						
	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





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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									
		Continuous (24/7)	3	20	26	93	0.12	28			
		Run	14	73	55	200	-	30	Small Fascia Selection		
		Boost	24	116	68	245	-	37		Standard	FAN7037
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			
		Continuous							Small Fascia Selection		
		Standard	4-15	21-118	22-58	80-210	0.2-0.26	22-32		Standard / Timer	FAN7540
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).





DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES 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)				
	125	Mixed Flow	40 26	220 160	89	320	0.45	43 36	Standard	FAN1005
					72	260	0.36		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 26	220 160	89 72	320 260	0.45 0.36	Round White	Weatherproof Cowl White and Fixed Louvre White	Standard	FAN2050



DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS



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					
	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					
	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					
	125	Axial	20	35	36	130	0.56	41	Square	Standard	FAN0072
										Pull Cord	FAN0074
										Timer	FAN0075





DESIGNED FOR G4 BUILDING CODE & HEALTHY HOMES BATHROOMS

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

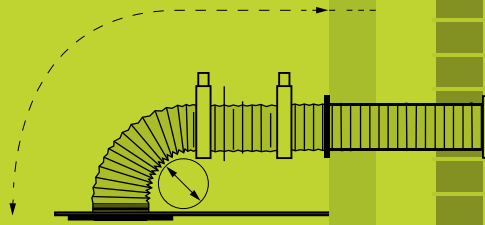
These multi-function systems are designed to meet the higher operational demands of both small and large bathrooms. Fans incorporate a unique anti-condensate design and efficient heating system. All systems are supplied with duct, grille and wall switch.

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 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 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 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

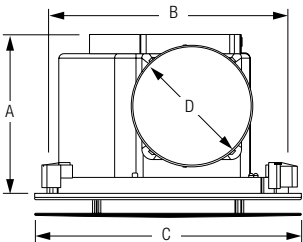
Fascia Selections

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)

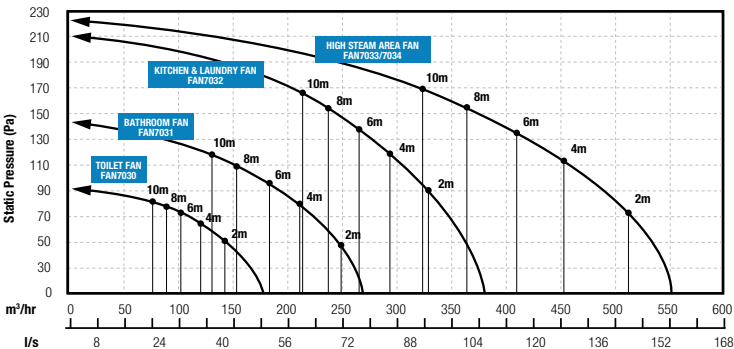
Model	A	B (cut-out size)	C (fascia size)	D
Toilet	170	240	272	100
Bathroom	197	296	328	150
Kitchen and Laundry	197	296	328	150
High Steam Area	197	296	326	150



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			

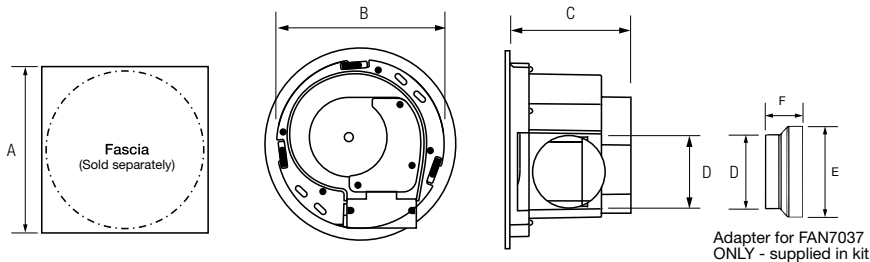
- 3 speed wireless wall controller included
- EC Contour Bathroom (FAN7037 only) with adapter to 125mm from 100mm fan spigot - supplied in kit
- Integrated backdraught shutter
- Deep spigot for easy duct connection
- Swing-out arms for easy installation

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 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		
	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	Plug & Lead	MF200PL	FAN1053
			45	80	196	706	0.23	41			

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).

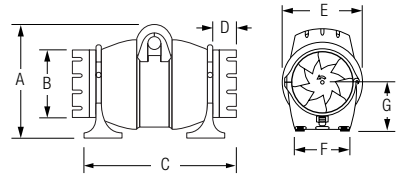
Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.



Inline Fans - Mixed Flow

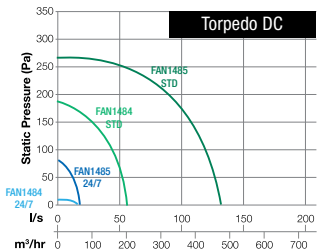
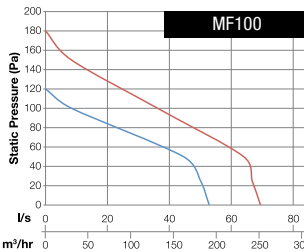
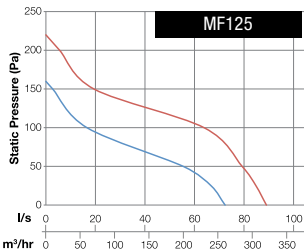
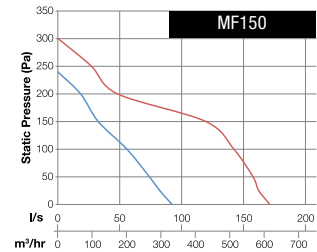
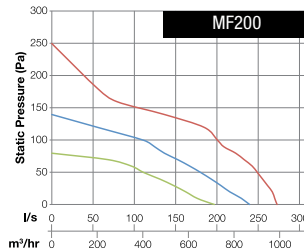
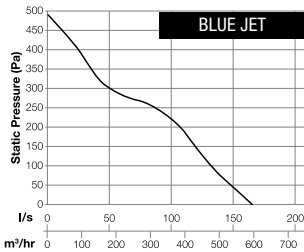
Dimensions (mm)

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

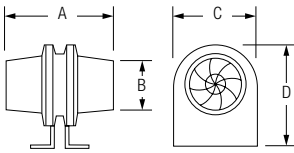
Momentum DC	Duct (mm)	Modes	Max. Fan Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Specific Fan Power (W/l/s)	Sound dB(A)	Switching	Product Code	
					(l/s)	(m³/hr)					
	100	Standard	6-7	72	22-33	80-120	0.21-0.27	30-38	Standard / Timer	FAN1482	
		Continuous	6	42	22	80	0.27	30			
	150	Standard	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



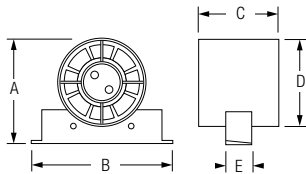
Inline Fans - Axial

Dimensions (mm)

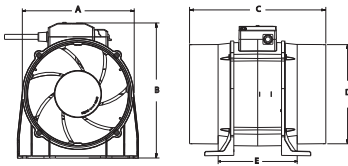
Model	A	B	C	D	E
Hyper150 EC	200	143	170	185	-
ID150	187	153	109	150	27
ID125	150	155	99	118	27
ID100	130	155	90	100	27
ECO150	187	153	109	150	27
FAN1482	103	154	176	96	106.2
FAN1483	150	189.9	200	145.6	131.2



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.

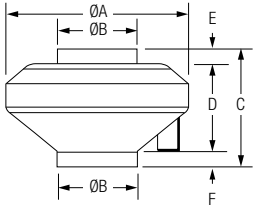
Switching Options

Standard Remote switch (not supplied).



Dimensions (mm)

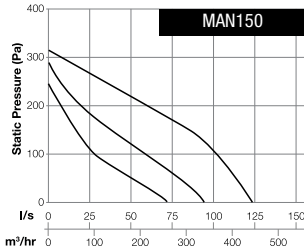
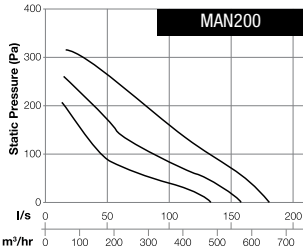
Model	ØA	ØB	C	D	E	F
MAN200	340	200	279	154	50	75
MAN150	340	150	279	154	50	75



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
	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

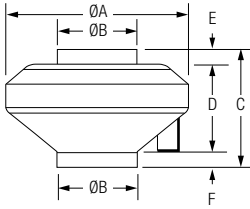
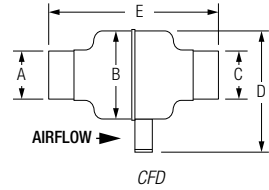
Standard Remote switch (not supplied).

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

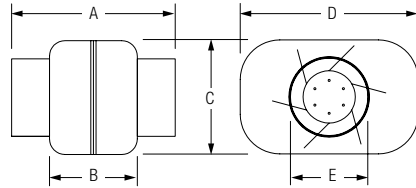


Dimensions (mm)

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	-



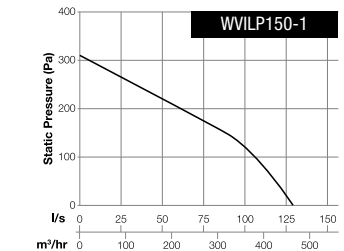
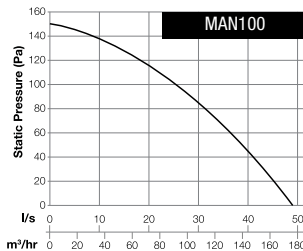
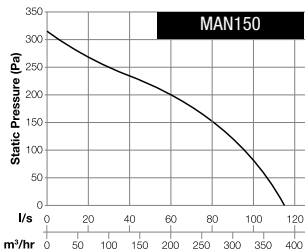
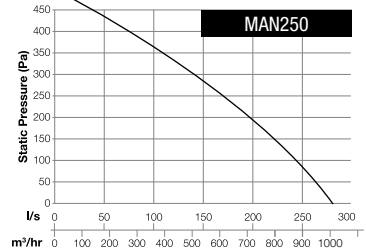
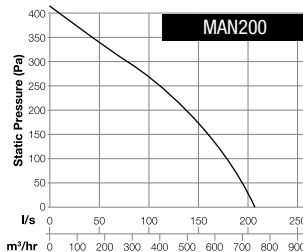
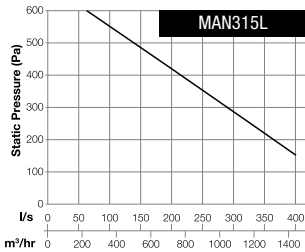
MAN



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

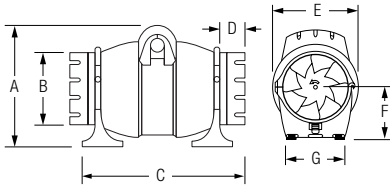
- Fascias are a stylish super low profile slim line design available in white or black
- 10W LED light panel fascia options include driver with quick connection 12V plug and pre-fitted 240V AC supply lead and plug
- Fascias are easy to install, remove and clean



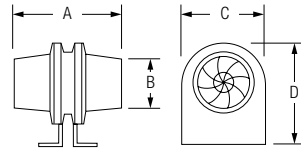
Inline Extraction Kits - CONTOUR Fascias

Dimensions (mm)

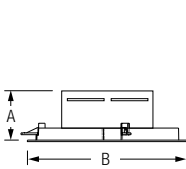
Model	A	B	C	D	E	F	G
FAN7366	209	147	360	55	195	130	115
FAN7044	200	143	170	185		-	
Adapter Plate	75	265			-		
Ceiling Plenum	196-167 (adjustable)	265	190	103		-	
Round Fascia	272				-		
Square Fascia	272	272			-		



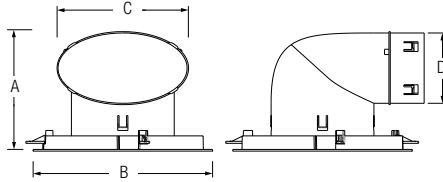
FAN7366



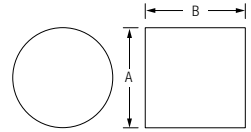
FAN7044



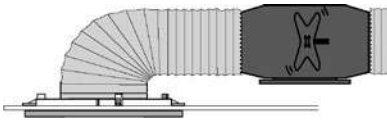
Adapter Plate



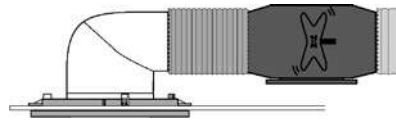
Ceiling Plenum



Fascias



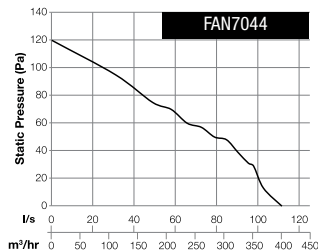
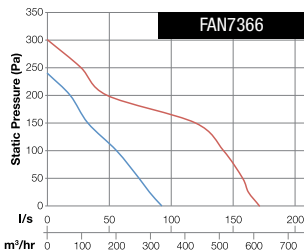
Adapter Plate Installation



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).

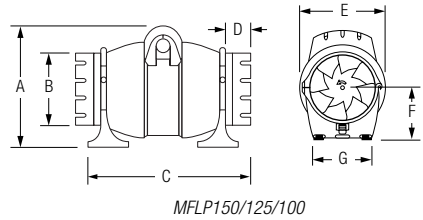
Timer Remote switch (not supplied). Fan continues operating for preset time after switching off.



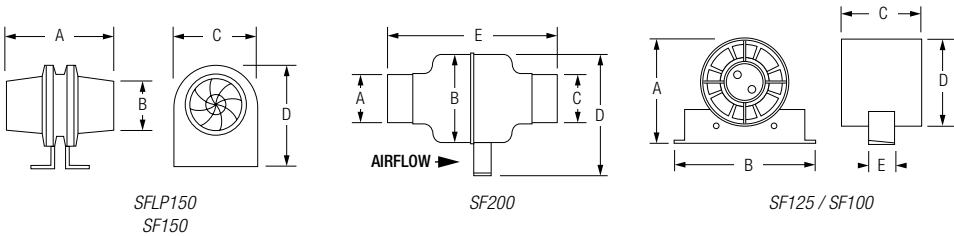
Inline Extraction Fan Kits without Lights

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	-	-

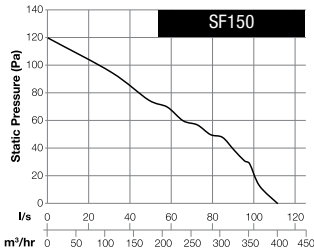
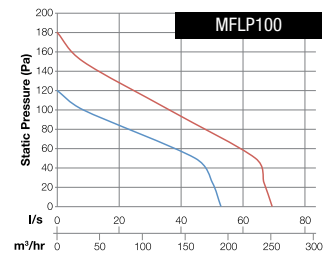
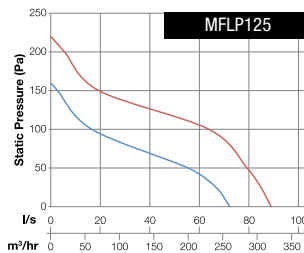
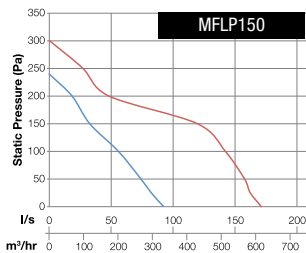


Note: Grille cut-out size is a nominal diameter for a circular cut-out.



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	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	-

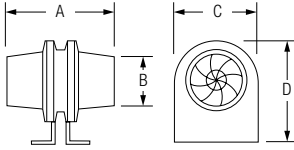


Inline Extraction Fan Kits with LED

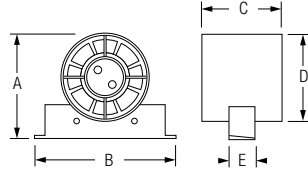
Dimensions (mm)

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

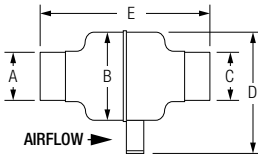
Note: Diffuser cut-out size is a nominal diameter for a circular cut-out.



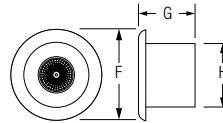
EL150



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

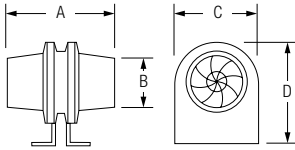


Inline Extraction Fan Kits with Halogen Lamp

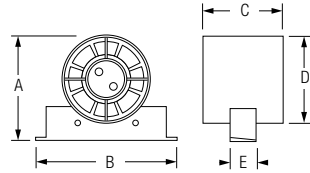
Dimensions (mm)

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

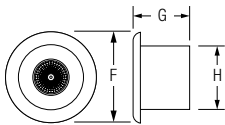
Note: Diffuser cut-out size is a nominal diameter for a circular cut-out.



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).

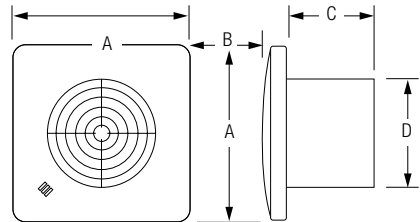
Timer Remote switch (not supplied). Fan continues operating for preset time after switching off. Timers are 2-30 minute adjustable and require permanent and switched phase.

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

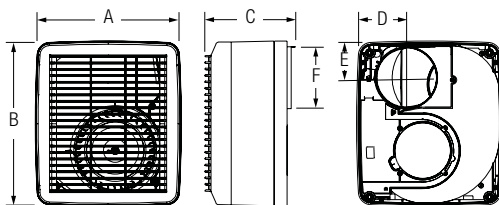
CUCINA is a powerful 2 boost speed centrifugal extraction fan with a washable metal grease filter. The installation selectable speeds are suitable for kitchens (high speed) or laundries (medium). The fan is G4 and Healthy Homes compliant for kitchen extract ventilation levels (when installed in through 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)	(m ³ /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

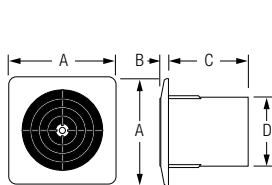


Wall/Ceiling Fans - SELV and Auto Shutter

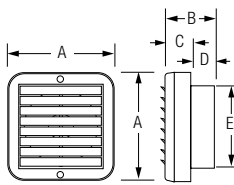
Dimensions (mm)

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	-

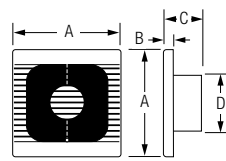
Please note: Fan cut-out size is a nominal diameter.



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

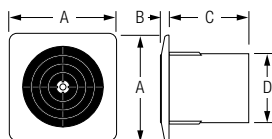
Accessories

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

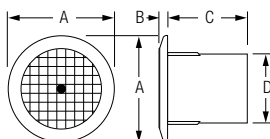
Dimensions (mm)

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	-

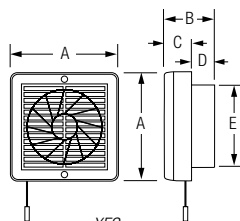
Please note: Fan cut-out size is a nominal diameter.



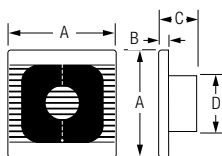
XFLP S



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

Mould Reduction features disabled, with standard wall switching enabled.

10min Run On Timer

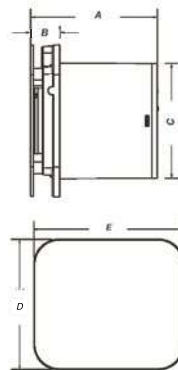
Continues to operate for 10 minutes after wall switch is turned off.

Continuous

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.

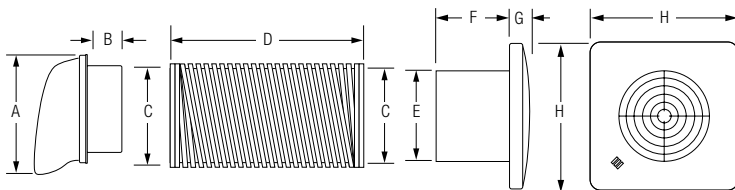
Timers are 2-30 minute adjustable and require permanent and switched phase.

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

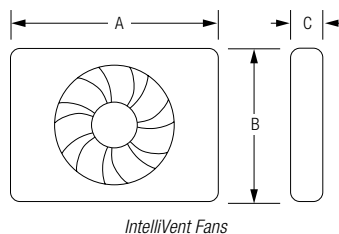
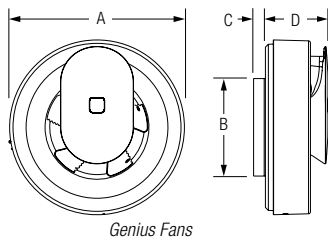
Model	Description			Order Code
INTELLIVENT HUMIDITY INTELLIVENT TEMPERATURE		Through Wall and Backdraught Kit	Ø 100 x 310mm (using 98mm adapter)	DCT4149
			Ø 125 x 310mm (using 118mm adapter)	DCT4150
		Cover Plate - White	202 x 152mm	DCT4151
		Internal Through Wall Kit	Ø 100 x 100mm (using 98mm adapter)	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

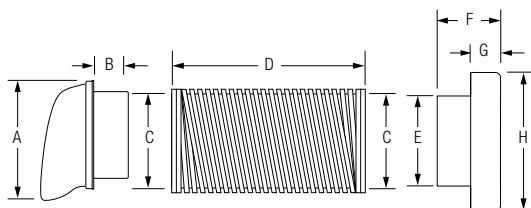
Fascia	Model	Duct	Round	Square		
			White	White	Satin Silver	Chrome
	XFLP	150mm	FAN0750	FAN0749	FAN2071	FAN0598
		125mm	FAN0748	FAN0747	FAN2068	FAN0755



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

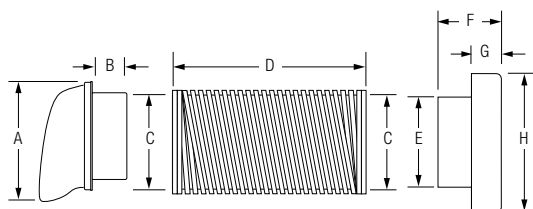
Fascia	Model	Duct	Round	Square		
			White	White	Satin Silver	Chrome
	XFLP	150mm	FAN0750	FAN0749	FAN2071	FAN0598
		125mm	FAN0748	FAN0747	FAN2068	FAN0755



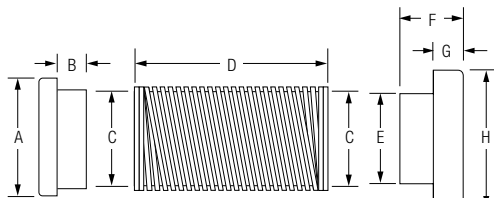
Through Wall Fan Kits - Standard

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 Timer

Integral part of fan.

Standard/Auto

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

Standard/Pull Cord

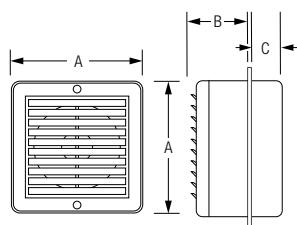
Remote switch (not supplied) and manual operation of shutters by pull cord



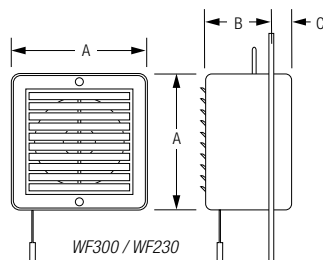
Window Fans - SELV and Auto Shutter

Dimensions (mm)

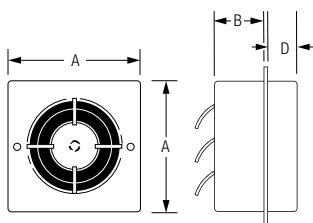
Model	Cut-Out Size	A	B	C	D
WF300	310-345	362	4-32	112	29
WF230	255-270	286	4-32	112	25
WF150	165-190	203	120	23	-
WF100	115-155	163	120	30	-
COM300	310-345	362	170	145	25
COM230	255-270	286	154	125	25



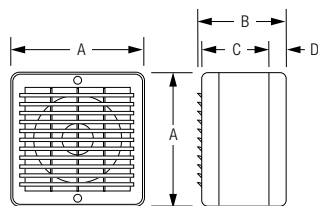
WF150



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).

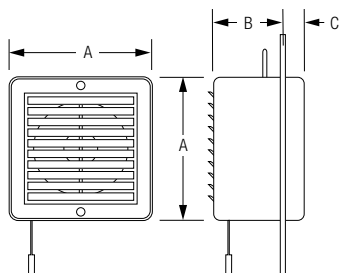
Pull Cord Integral part of fan.



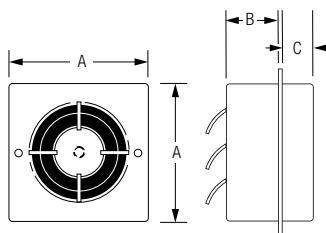
Window Fans - Standard

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

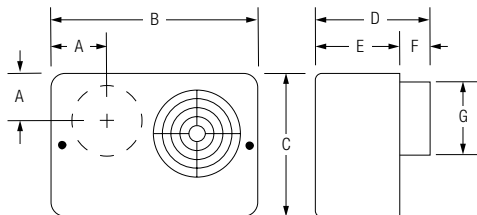
Switching Options: Standard - Remote switch (not supplied).



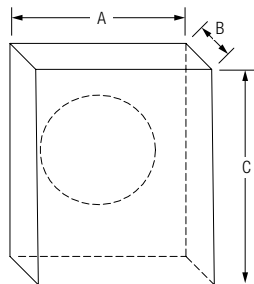
Wall Fans - Internal and External

Dimensions (mm)

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



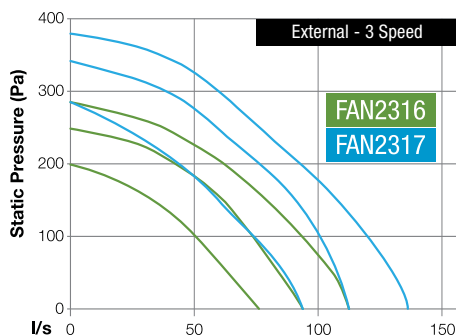
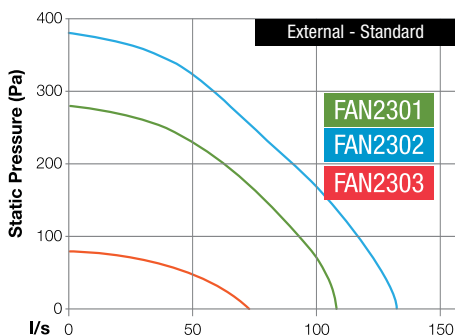
CF200



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.

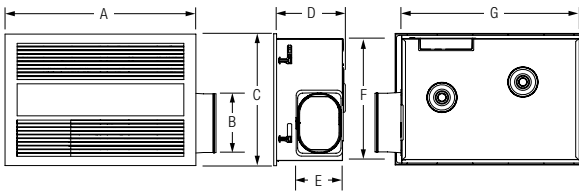
Low Profile	Duct (mm)	Fan Type	Total Watts (W)	Max. Fan Pressure (Pa)	Free Air Fan Performance		Heating	Fascia	Order Code
					(l/s)	(m³/hr)			
	150	2 x Centrifugal	2115	145	106	380	1 X 2000W PTC	White	FAN7020
								Black	FAN7021
	150	Centrifugal	1100	146	69	248	1 x 1000W Halogen	White	FAN6577
	150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

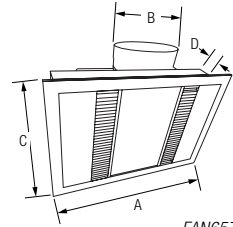


Dimensions (mm)

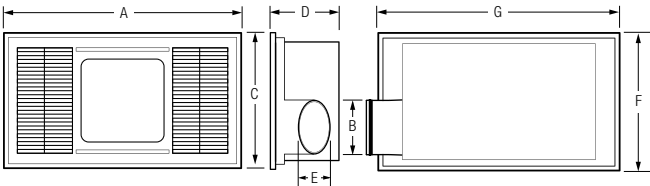
Model	Cut-Out Size	A	B	C	D	E	F	G
FAN7020 FAN7021	523 x 345	537	165	370	192	120	340	500
FAN6577	470 x 320	350	150	200	500	-		
FAN5876	470 x 320	350	150	200	500	-		
FAN7291	590 x 320	630	133	350	145	95	313	585



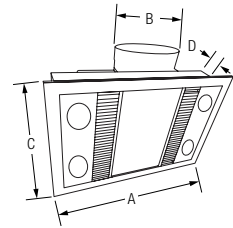
FAN7020 FAN7021



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

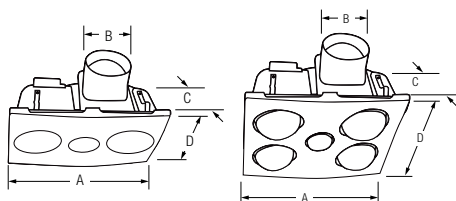


Heat-Fan-Light Systems / Heat-Light Systems

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)

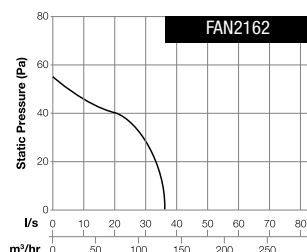
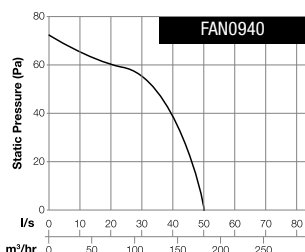
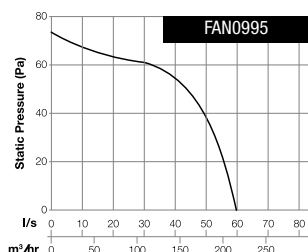
Model	Cut-Out Size	A	B	C	D
HEA2W-B	380x 202	443	150	220	268
HEA4W-B	320 x 320	395	150	220	395
FAN6882 FAN6883	320 x 320	370	125	210	370
FAN1282	320 x 320	410	125	210	370
FAN6880 FAN6881	375 x 202	419	125	198	244
FAN1281	375 x 198	425	125	200	230
FAN0995	300 x 300	338	125	170	338
FAN0940	390 x 220	435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

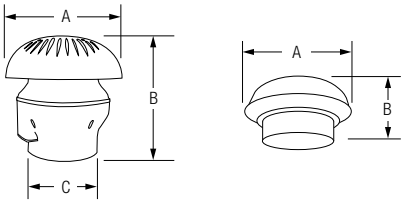
Accessories

Model	Filter Ring
FAN7306	DCT2254



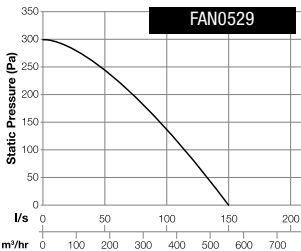
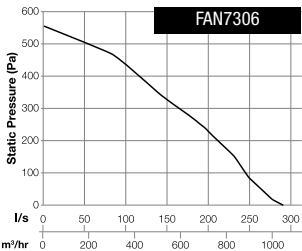
Dimensions (mm)

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

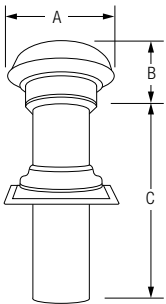


Accessories

Model	Cowl	Filter Ring
FAN7307 FAN2123	DCT2241	DCT2254

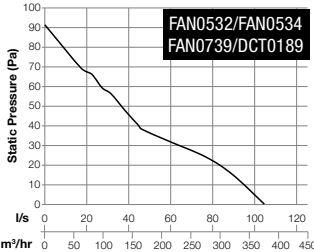
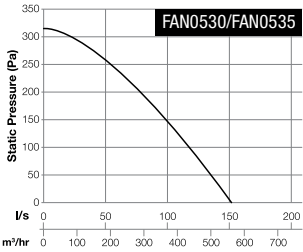
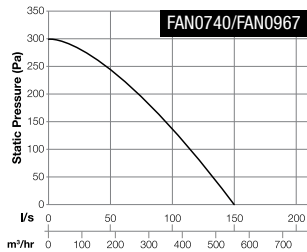
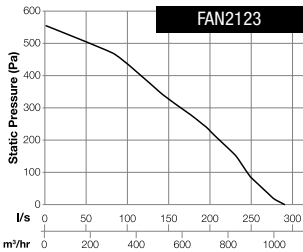
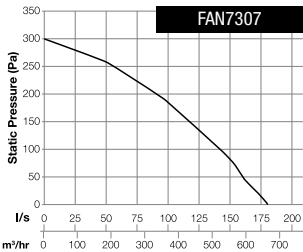
Dimensions (mm)

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

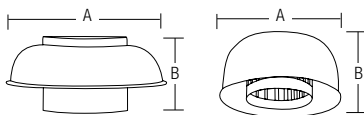
Roof Cows

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

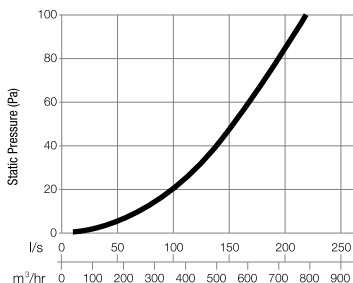
- Added exhaust aperture area and deep vent coverage
- Recommended where high winds in exposed locations may drive rain into the vent
- Also recommended for use in high airflow air intake systems to prevent rain being sucked into the system

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.



homestar



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



BRANZ Appraised
Appraisal No.1152 (2021)



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)

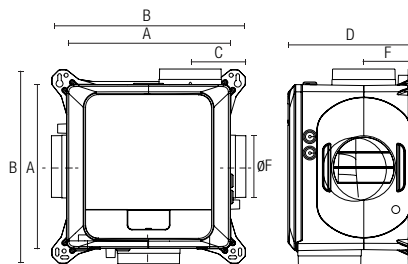
- Continuous "trickle" extract ventilation from three rooms
- Automated boost speeds activated via humidity sensing and control
- Four speed centrifugal fan
- 123 l/s (443 m³/hr) at 200 Pa
- Market leading lo-carbon energy efficiency
- On-board digital controls for speedy installation
- Proportional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

Dimensions (mm)

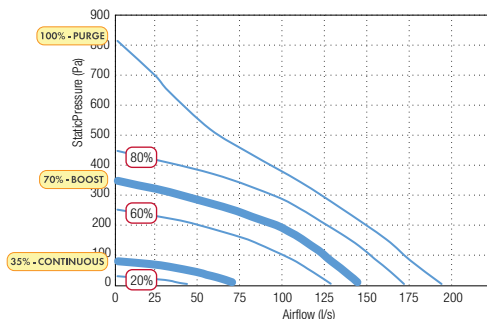
Ceiling Extract Cut-Out Size	A	B	C	D	E	ØF
123mm	330	390	111	250	96	125

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

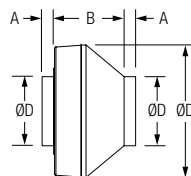
These Alaskan K fans are designed for installation in ducts. All the Alaskan K fans have minimum 25mm long spigot connections. The fans have backward-curved blades and external rotor motors. 2 year warranty.

Alaskan 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.

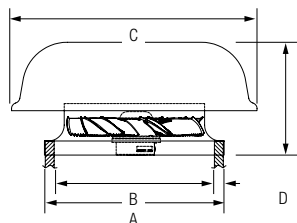
Alaskon BRA	Fan Speed (RPM)	230V/50Hz/1 Φ		Sound dB(A)	Induct Sound Power Level (dB re 10 ⁻¹² Watts)								Model	Order Code
		Motor Input (kW)	Full Load Current (A)		63	125	250	500	1k	2k	4k	8k		
	1390	69	0.53	40	62	59	61	60	58	56	54	43	BRA2541	FAN3751
	1250	75	0.32	38	66	64	59	55	52	50	46	38	BRA3041	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
- Sickie 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							

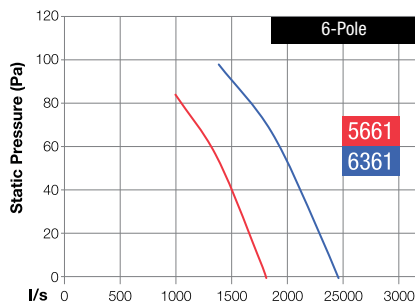
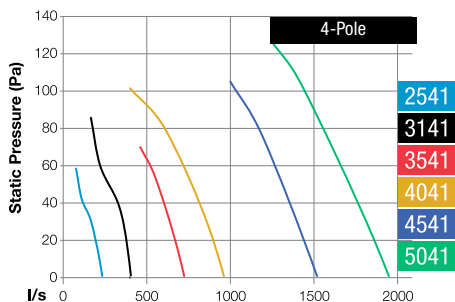


Plate Mounted Axial Extract Fans

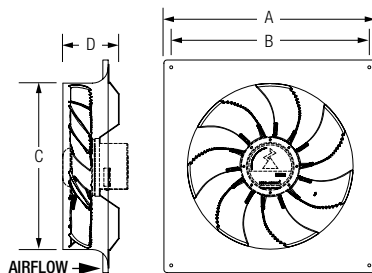
These fans are for general purpose commercial applications. They are suitable for air extraction situations where air volumes are moderate and pressures are low. The motorised impellers are efficient, smooth running and have excellent low sound characteristics. Speed can be controlled by electronic or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

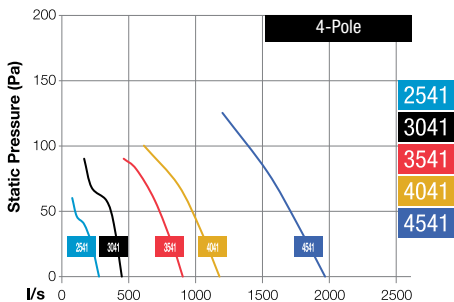
Dimensions (mm)

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

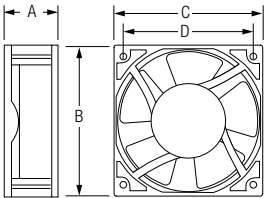
Accessory

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				

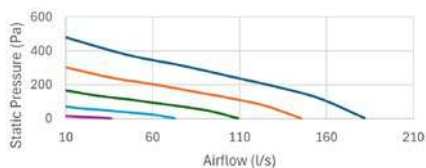
General Information

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	

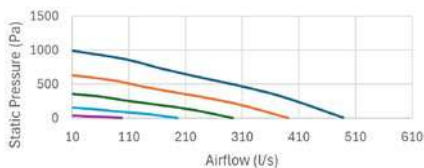


VHR EC Heat Recovery Units

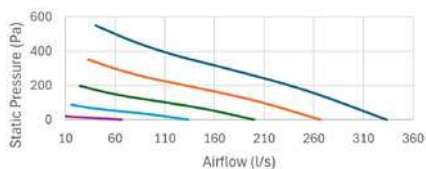
VHR04-EC



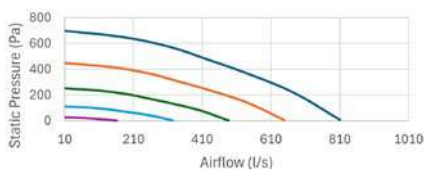
VHR16-EC



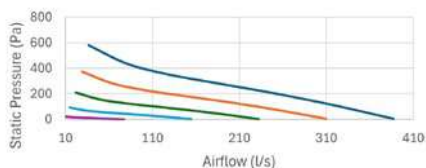
VHR09-EC



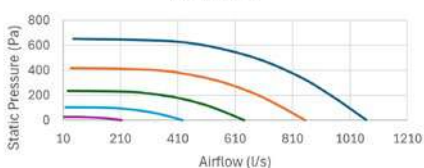
VHR29-EC



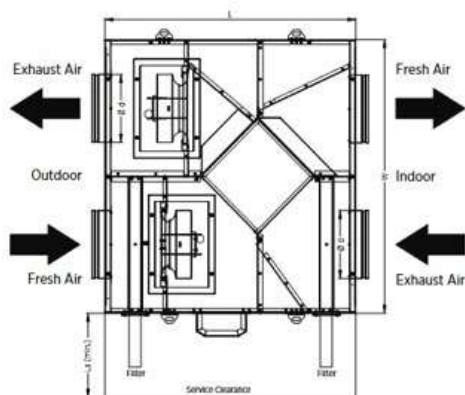
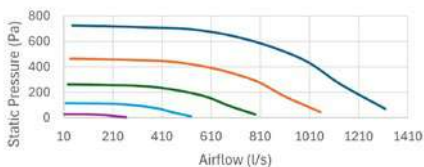
VHR11-EC



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

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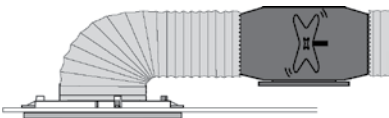
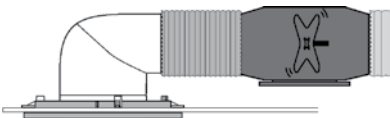
Configurable Systems

Contour Fascia and Duct Connection

Grilles, Diffusers
and Ducting



Description	Colour	Order Code
Adaptor Unit - 150mm	White	DCT4500
Ceiling Plenum - 150mm	White	DCT4501



Fascia Selections

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

- Stylish slimline design
- Super low profile
- Available in white or black
- 10W LED Light panel options including a driver with quick connection 12V plug and pre-fitted 240V supply lead and plug
- Choice of 150mm duct connecting ceiling plenum with 90° moulded plastic elbow outlet and back-flow preventer for unimpeded airflow, OR adaptor unit
- Fascias are easy to install, remove and clean
- 5 year warranty

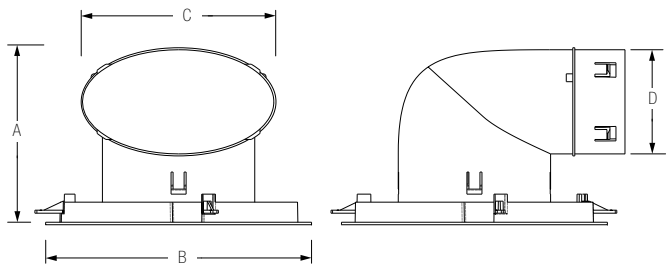
Technical - LED Fascia

Model	LED Fascia	
	Round	Square
Supply	220-240V AC, 50Hz	
Wattage	11W	12W
Light (lm)	932 / 1054 / 1046	1112 / 1197 / 1224
LED Colour	3000K / 4000K / 6000K	
IP Rating	IP44	

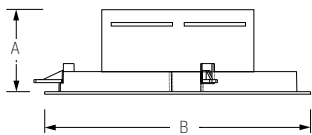


Dimensions (mm)

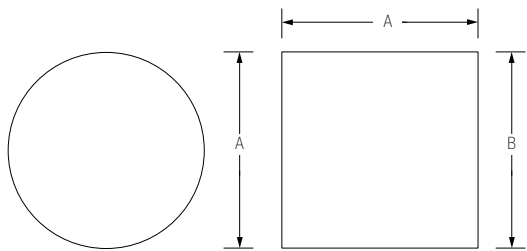
Type	Cut-Out Size W x H	A	B	C	D
Ceiling Plenum	238	196-167 (adjustable)	265	190	103
Adaptor	238	75	265	-	-
Round Fascia	-	272	-	-	-
Square Fascia	-	272	272	-	-



Ceiling Plenum



Adaptor



Fascias



MANROSE®
DESIGNER SERIES

PURO

FILTERED PASSIVE VENT KIT

FILTERED FRESH AIR SUPPLY for a better indoor environment



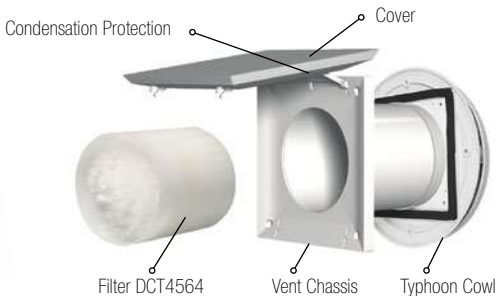
DCT4565



- Filtered air inlet for improved indoor air quality
- Effective filtration of viruses, bacteria and pollen
- Internationally patented filter from Sweden
- Pure air circulation to improve air quality
- Fresh air in - stale, humid air out through bathroom & kitchen extraction
- Puro inlets provide fresh filtered air from high on bedroom and living area walls
- Filtered particles captured in Puro's unique dual layer, electrostatically charged fibres

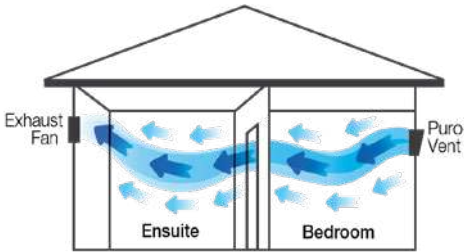


Puro Filtered Passive Through Wall & Cowl Kit



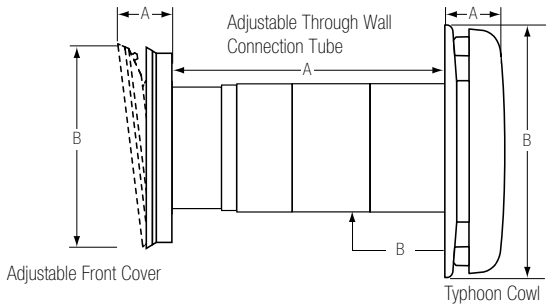
Description	Duct (mm)	Colour	Order Code
Puro Filtered Passive Through Wall & Cowl Kit	100	White	DCT4565
Replacement Filter	Ø 94mm	White	DCT4564

- Filtered air inlet for improved indoor air quality
- Effective filtration of viruses, bacteria and pollen
- Internationally patented filter from Sweden
- Pure air circulation to improve air quality
- Fresh air in - stale, humid air out through bathroom & kitchen extraction
- Puro inlets provide fresh filtered air from high on bedroom and living area walls
- Filtered particles captured in Puro's unique dual layer, electrostatically charged fibres



Dimensions (mm)

Description	A	B
Adjustable Front Cover	20.5-42 (adjustable)	160
Through Wall Connection Tube	100-230 (adjustable)	Ø 102
Typhoon Cowl	50	Ø 180
Cut-Out Size	Ø 105	



MANROSE®
DESIGNER SERIES

CALMA

ACOUSTIC PASSIVE VENTILATION KIT



PASSIVE FRESH AIR SUPPLY



Fresh air delivered by proprietary Swedish acoustic damping system

DCT0101

- Supply air ventilator primarily for installation in bedrooms and living rooms
- Fresh make-up air drawn in by extraction fans generally in Bathrooms and Kitchens
- Ideal as part of a continuous extract ventilation system
- Made in Sweden, supported by third-party acoustic test report data*
- Adjustable opening valve with 8 opening level positions



Fresh air drawn in to refresh home by continuous slow extraction from wet-areas
- either by centralised, or unitary fan systems.

*Refer to acoustic report listed under DCT0101 on simx.co.nz



Calma Acoustic Passive Ventilation Kit



Internal Vent



External Grille



The ventilator consists of an internal vent, fitted with a valve and insect filter, a noise reduction tube, as well as an outer fixed louvre grille.

Description	Duct (mm)	Colour	Order Code
Calma Acoustic Passive Ventilation	100	White	DCT0101
Alternative External Typhoon Dome Cowl (order separately)	-	White	DCT4572

- Fresh air drawn in to refresh home by continuous slow extraction from wet-areas - either by centralised or unitary fan systems.
- Supply air ventilator primarily for installation in bedrooms and living rooms
- Fresh make-up air drawn in by extraction fans generally in bathrooms and kitchens
- Ideal as part of a continuous extract ventilation system
- Made in Sweden, supported by third-party acoustic test report data*
- Adjustable opening valve with 8 opening level positions



Grilles, Diffusers and Ducting



Control Lever with 8 set notches

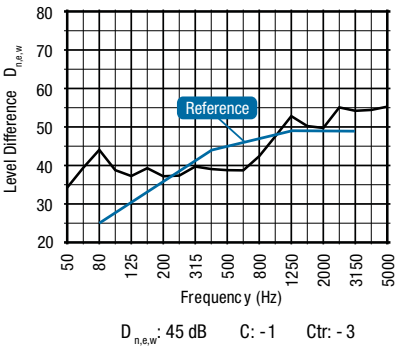


Fully Opened

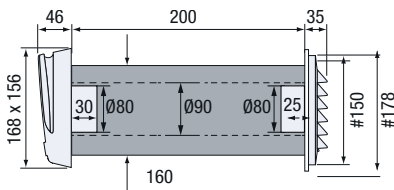


Fully Closed

Noise Data



Dimensions (mm)



Distribution Pattern

The vent can manage up to 8 l/s with no draught.

Grey field: Air velocity above 0.15 m/s

Temperature, cooling chamber: -16°C

Temperature, room: 18.4°C

Relative humidity: 40% RH

Flow: 8 l/s

Heating system: Not on

Test Condensation Protection

Testing of Calma's condensation protection ability to prevent condensation surges:

Temperature, cooling chamber: -16°C

Temperature, room: 18.4°C

Relative humidity: 40% RH

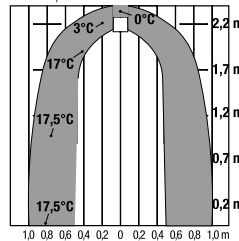
Flow: 8 l/s

Heating system: Not on

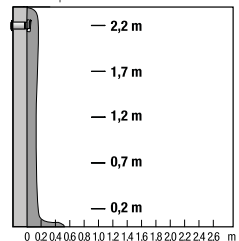
Time: 3 hours

Result: No precipitation

Airflow profile from front



Airflow profile from side



MANROSE®
DESIGNER SERIES

ARIA

SETTABLE PASSIVE VENTILATION KIT



PASSIVE FRESH AIR SUPPLY



DCT0102

**Passive fresh air inlet system
with adjustable and minimum
open area settings**

- Supply air ventilator primarily for installation in bedrooms and living rooms
- Fresh make-up air drawn in by extraction fans generally in Bathrooms, Laundries and Kitchens
- Ideal as part of a continuous extract ventilation system
- Made in Sweden



Fresh air drawn in to refresh home by continuous slow extraction from wet-areas
- either by centralised, or unitary fan systems.



Aria Settable Passive Ventilation Kit



Internal Vent

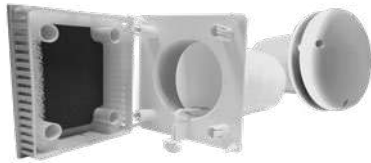


External Grille

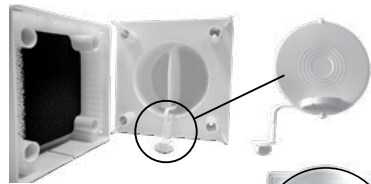
Description	Duct (mm)	Colour	Order Code
Aria Settable Passive Ventilation	100	White	DCT0102
Replacement External Typhoon Dome Cowl (order separately)	-	White	DCT4572

Grilles, Diffusers and Ducting

- Supply air ventilator primarily for installation in bedrooms and living rooms
- Fresh make-up air drawn in by extraction fans generally in bathrooms, laundries and kitchens
- Ideal as part of a continuous extract ventilation system
- Manually settable opening levels
- Made in Sweden



The ventilator consists of an internal vent, fitted with a variable opening valve and an insect filter, rigid wall-duct sections and outer weatherproof dome cowl.



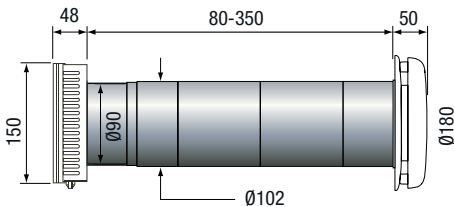
Optionally, the control valve can be completely removed, or re-inserted by springing the duct tube from the valve pivot posts.



Knock-out Rings

Exterior Moisture Control Dam

Dimensions (mm)



Grilles/Cowls/Domes

Wall/Ceiling Grilles - Matte Black

Grilles, Diffusers
and Ducting



Description	Duct (mm)	Fascia	Order Code
Low Profile	150	Round	DCT4401
		Square	DCT4259
Standard	150	Round	DCT4257
Flat Face	150	Square	DCT4371
Fixed Louvre	150	Square	DCT4373
	125	Square	DCT4429
	100	Square	DCT4428

- Low profile design improves airflow in extraction applications
 - Twist lock fascia for easy cleaning
 - Longer spigot for easy duct connection and gib fixing clips included
- Fixed louvre design is a standard grille with some weather protection
 - Removable inserts for easy cleaning

Dimensions (mm)

Type	Duct	Cut-Out Size	Face	Spigot Diameter	Spigot Length
Low Profile Round	150	165	Ø 200	150	65
Low Profile Square	150	165	191 x 191	150	65
Standard Round	150	157	Ø 200	150	65
Flat Face Square	150	157	191 x 191	150	65
Fixed Louvre	150	157	174 x 174	152	32
	125	127	162 x 162	122	25
	100	105	140 x 140	100	35



Wall/Ceiling Grilles - Gloss Black



Description	Duct (mm)	Fascia	Order Code
Low Profile	150	Square	DCT4314
Standard	150	Round	DCT4315
Fixed Louvre	150	Square	DCT4319

Grilles, Diffusers
and Ducting

- Low profile design improves airflow in extraction applications
 - Twist lock fascia for easy cleaning
 - Longer spigot for easy duct connection and gib fixing clips included
- Fixed louvre design is a standard grille with some weather protection
 - Removable inserts for easy cleaning

Dimensions (mm)

Type	Duct	Cut-Out Size	Face	Spigot Diameter	Spigot Length
Low Profile Square	150	165	191 x 191	150	65
Standard Round	150	157	Ø 200	150	65
Fixed Louvre	150	157	174 x 174	152	32

Wall/Ceiling Grilles - Pre-Primed



Description	Duct (mm)	Fascia	Order Code
Fixed Louvre	150	Square	DCT4360
	125	Square	DCT4431
	100	Square	DCT4430

- Fixed Louvre design is a standard grille with some weather protection
 - Removable inserts for easy cleaning

Dimensions (mm)

Type	Duct	Cut-Out Size	Face	Spigot Diameter	Spigot Length
Fixed Louvre	150	157	174 x 174	152	32
	125	127	162 x 162	122	25
	100	105	140 x 140	100	35



Grilles/Cowls/Domes

Wall/Ceiling Grilles

Grilles, Diffusers
and Ducting



Description	Duct (mm)	Fascia	Colour	Order Code
EasyFit	150	Round	White	DCT1550
			Black	DCT1553
Low Profile	150	Round	White	DCT1067
		Square	White	DCT2225
	125	Round	White	DCT1090
		Square	White	DCT2224
	100	Round	White	DCT1089
		Square	White	DCT2223
Standard	150	Round	White	DCT2187
	125	Round	White	DCT2186
	100	Round	White	DCT2185
Flat Face	150	Square	White	DCT2236
			Silver	DCT2237
Fixed Louvre	300	Square	White	DCT1979
	230/250	Square	White	DCT0073
	200	Square	White	DCT0340
	150	Round	Silver (304 Stainless Steel)	V150BAL40E
			White	DCT0063
		Square	Grey	DCT0062
			Silver (304 Stainless Steel)	V150BAL40W
	125	Square	White	DCT0041
	100	Square	White	DCT0025
	100	Square	White	DCT0375
Eggcrate	150	Square	White	DCT0473
	125	Square	White	DCT0472
	100	Square	White	DCT0375

- EasyFit is designed to extract or supply air with an adjustable cone diffuser
 - Guided airflow with adjustable cone diffuser
 - Quick & easy smart-fitting wings
 - Push lock and twist to unlock fascia for cleaning
- Low profile design improves airflow in extraction applications
 - Twist lock fascia for easy cleaning
 - Longer spigot for easy duct connection and gib fixing clips included
- Fixed louvre design is a standard grille with some weather protection
 - Removable inserts for easy cleaning



Low Profile Accessories

Description	Duct (mm)	Satin Silver	Chrome		Gold	White	
		Square	Round	Square	Square	Round	Square
Fascias	150	FAN2071	-	FAN0598	-	FAN0750	FAN0749
	125	FAN2068	FAN0757	FAN0755	FAN0754	FAN0748	FAN0747
Spigot	150	-	-	-	-	FAN0656	-
	125	-	-	-	-	DCT1074	-

Grilles, Diffusers
and Ducting

Dimensions (mm)

Type	Duct	Cut-Out Size	Face	Spigot Diameter	Spigot Length
EasyFit	150	195	Ø 212	143	76
Low Profile Round	150	165	Ø 200	150	65
	125	135	Ø170	120	65
	100	115	Ø140	98	49
Low Profile Square	150	165	191 x 191	150	65
	125	135	161 x 161	120	65
	100	115	140 x 140	98	49
Standard Round	150	157	Ø200	150	65
	125	125	Ø170	125	65
	100	105	Ø140	98	49
Flat Face Square	150	157	191 x 191	150	65
Fixed Louvre	300	295	350 x 350	285	50
	230/250	240	285 x 285	230	29
	200	240	285 x 285	199	67
	150	157	174 x 174	152	32
	125	127	162 x 162	122	25
	100	105	140 x 140	100	35
Fixed Louvre Stainless Steel - Round	150	150	Ø 210	150	52
Fixed Louvre Stainless Steel - Square	150	150	203 x 203mm	150	52
Eggcrate	150	157	175 x 175	152	34
	125	127	162 x 162	122	24
	100	105	140 x 140	100	34



Grilles/Cowls/Domes

Weatherproof Cowls

Grilles, Diffusers
and Ducting



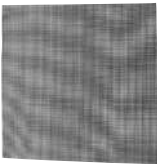
Description	Duct (mm)	Mesh Option	Colour	Order Code
General Purpose Stainless Steel 304* <i>* This product listing does not imply that 304 stainless steel is recommended for marine environments</i>	200	Mesh only	Stainless Steel	DCT4350
	150	Mesh and Flap	Stainless Steel	DCT3616
		Mesh only	Stainless Steel	DCT3611
	125	Mesh and Flap	Stainless Steel	DCT3615
		Mesh only	Stainless Steel	DCT3618
	100	Mesh and Flap	Stainless Steel	DCT3614
		Mesh only	Stainless Steel	DCT3617
Plastic	150	Chateau with Monofilm Backdraught Shutters	Matte White	DCT0304
			Matte Black	DCT0305
		Chateau with Monofilm Backdraught Shutters (Hang-sell version)	Matte White	DCT0304H
			Matte Black	DCT0305H
		Mesh and Flap	White	DCT1031
			Gloss Black	DCT4316
			Matte Black	DCT4261
			Pre-Primed	DCT4299
		(Comes with aluminium fixed louvre)	White	DCT1995
	125	Chateau with Monofilm Backdraught Shutters	Matte White	DCT0302
			Matte Black	DCT0303
		Chateau with Monofilm Backdraught Shutters (Hang-sell version)	Matte White	DCT0302H
			Matte Black	DCT0303H
		Mesh and Flap	White	DCT1030
			Matte Black	DCT4399
			Pre-Primed	DCT4324
	100	Mesh and Flap	White	DCT0018
			Matte Black	DCT4400
			Pre-Primed	DCT4323
			Brown	DCT0019
		Typhoon - Circular	Round White	DCT4572

- High quality stainless steel finish with stainless steel wire mesh
- Designed for use where adverse weather conditions are experienced



Optional Inserts

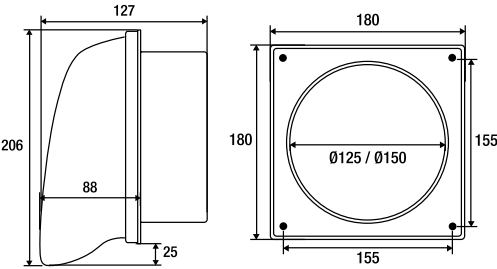
Duct (mm)	Description	Order Code
200-250	for 200mm and 250mm Grilles	DCT0373
150	for 150mm Grilles	DCT0207
125	for 125mm Grilles	DCT0208
100	for 100mm Grilles	DCT0371
125 & 150	Insect Mesh for Chateau Cowls	DCT0307
150	Bird Mesh	DCT2263
150	Aluminium Fixed Louvre	DCT2599



Dimensions (mm)

Description	Duct	Face Size W x H	Spigot		Cut-Out Size
			Diameter	Length	
Stainless Steel	200	252 x 252	Ø 196	80	Ø 215
	150	180 x 180	Ø 145	62	Ø 160
	125	180 x 180	Ø 120	52	Ø 140
	100	150 x 150	Ø 97	52	Ø 115
Plastic	150 - Chateau	180 x 210	Ø 150	40	Ø 165
	150	175 x 175	Ø 152	35	Ø 165
	125 - Chateau	180 x 210	Ø 125	40	Ø 140
	125	175 x 175	Ø 123	27	Ø 140
	100	140 x 140	Ø 99	35	Ø 115
	Typhoon - 100	Ø 180	Ø 100	60	Ø 105

Chateau Dimensions (mm)



Grilles/Cowls/Domes

Weatherproof Domes

Grilles, Diffusers
and Ducting



Description	Duct (mm)	Colour	Order Code
Stainless Steel 304	200	Stainless Steel	DCT4616
	150	Stainless Steel	DCT2159
	125	Stainless Steel	DCT2158
	100	Stainless Steel	DCT2157

- High quality stainless steel dome cowl for a modern stylish look
- Designed for exhaust and supply ventilation
- Generally mounted on an external wall, however they can be mounted internally
- Insect mesh included
- Product does not have a backdraught shutter

Dimensions (mm)

Description	Duct	Face Size	Spigot		Cut-Out Size
			Diameter	Length	
Stainless Steel	200	Ø 290	Ø 195	75	Ø 200
	150	Ø 200	Ø 145	62	Ø 155
	125	Ø 180	Ø 120	52	Ø 140
	100	Ø 140	Ø 97	52	Ø 115



Gravity Shutters

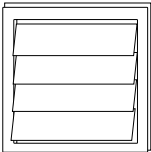


Description	Duct (mm)	Fascia	Colour	Order Code
Stainless Steel 304	150	Square	Stainless Steel	DCT2147
	125	Square	Stainless Steel	DCT2146
	100	Square	Stainless Steel	DCT2145
Plastic	230/250	Square	White	DCT2204
	150	Square	White	DCT0066
			Gloss Black	DCT4320
			Grey	DCT0061
	125	Square	White	DCT0044
			Grey	DCT0042
	100	Square	White	DCT0029
			Grey	DCT0028

Grilles, Diffusers and Ducting

Dimensions (mm)

Type	Duct	Face W x H	Spigot Diameter	Spigot Length	Cut-Out Size
Stainless Steel	150	180 x 180	145	62	160
	125	180 x 180	120	52	140
	100	150 x 150	97	52	115
Plastic	300	350 x 350	285	50	295
	230/250	275 x 275	230	50	240
	150	174 x 174	152	32	157
	125	162 x 162	122	25	127
	100	140 x 140	100	35	105



Multi-Spigot Grilles



Description	Spigot Size (mm)	Fascia	Colour	Order Code
Gravity Shutter	100-125	Square	White	DCT0121



Grilles/Cowls/Domes

Weatherproof Louvre Grilles with Plenum

Grilles, Diffusers
and Ducting

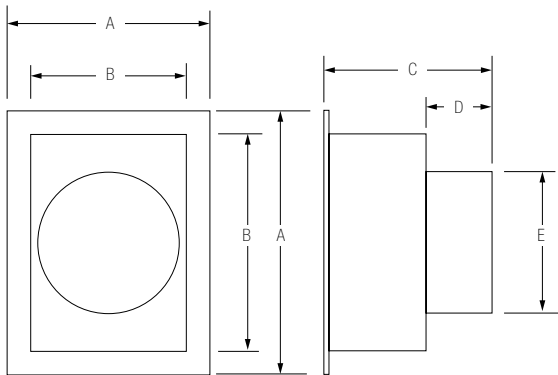


Description	Face Size W x H (mm)	Neck Size W x H (mm)	Finish	Order Code
Aluminium with Plenum	280 x 168	225 x 110	Quality Anodised	DCT3709
	280 x 215	230 x 165	Quality Anodised	DCT4069
	250 x 250	200 x 200	Quality Anodised	DCT4070

- Designed for both intake and return air applications
- Wide blade spacings enable improved airflow with reduced pressure drops and noise levels
- Bird mesh included

Dimensions (mm)

Model	A Face Size W x H	B Cut-Out Size W x H	C Overall Depth	D Spigot Length	E Spigot Dia.
DCT3709	280 x 168	225 x 110	180	70	Oval (180 wide to fit 150 duct)
DCT4069	280 x 215	230 x 165	180	70	Ø 150
DCT4070	250 x 250	200 x 200	180	70	Ø 150



Weatherproof Louvre Grilles

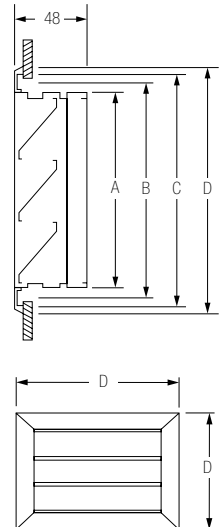


Description	Face Size W x H (mm)	Neck Size W x H (mm)	Finish	Order Code
Aluminium	220 x 220	160 x 160	White	DCT2603
	200 x 150	190 x 150	White	DCT3538
	200 x 200	150 x 150		DCT4147
	210 x 210	160 x 160	White	DCT2579
	240 x 200	182 x 142	Natural Anodised	DCT3638
	300 x 300	240 x 240		DCT4303
	350 x 350	295 x 295	Natural Anodised	DCT3637
	390 x 390	330 x 330	Natural Anodised	DCT1404
	455 x 455	395 x 395	Natural Anodised	DCT1405
	500 x 500	440 x 440	Natural Anodised	DCT3383
	660 x 660	600 x 600	Natural Anodised	DCT3382
Neck Adaptors (Galvanised Steel)		170 x 170 : Ø 150	-	DCT1434
		210 x 210 : Ø 200		DCT1435
		290 x 290 : Ø 250		DCT1436
		330 x 330 : Ø 300		DCT1437
		410 x 410 : Ø 350		DCT1438

- Designed for external ventilation
- Special sizes subject to availability
- Bird mesh attached

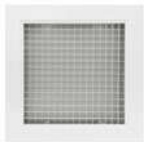
Dimensions (mm)

Model	A	B	C	D
	Neck Size W x H	Neck Adaptor Size W x H	Cut-Out Size W x H	Face Size W x H
DCT2603	160 x 160	170 x 170	180 x 180	220 x 220
DCT3538	140 x 90	150 x 100	160 x 110	200 x 150
DCT4147	140 x 140	150 x 150	160 x 160	200 x 200
DCT2579	150 x 150	160 x 160	170 x 170	210 x 210
DCT3638	182 x 142	192 x 152	202 x 162	240 x 200
DCT4303	240 x 240	245 x 245	255 x 255	300 x 300
DCT3637	295 x 295	300 x 300	310 x 310	350 x 350
DCT1404	330 x 330	320 x 320	330 x 330	390 x 390
DCT1405	395 x 395	405 x 405	415 x 415	455 x 455
DCT3383	440 x 440	450 x 450	460 x 460	500 x 500
DCT3382	600 x 600	610 x 610	620 x 620	660 x 660



Eggcrate Return Grilles

Grilles, Diffusers
and Ducting

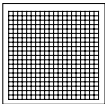


Description	Neck Size W x H (mm)	Face Size W x H (mm)	Order Code
Fixed Core	150 x 150 *	210 x 210	DCT1989
	225 x 225	275 x 275	DCT2002
	300 x 300	348 x 348	DCT2003
	360 x 360	420 x 420	DCT2004
	438 x 438	490 x 490	DCT3757
with Filter	540 x 540 **	595 x 595	DCT2005
	300 x 300	340 x 340	DCT0962
	360 x 360	407 x 407	DCT1257
	550 x 550 **	595 x 595	DCT0966
Replacement Filter	550 x 1150	1040 x 1040	DCT1113
	300 x 300	348 x 348	DCT1025
	360 x 360	420 x 420	DCT4351
	550 x 550	595 x 595	DCT1026
Face Only	1400 x 1000	595 x 1200	DCT1061
	225 x 225	278 x 278	DCT0759
	300 x 300	348 x 348	DCT0760
	360 x 360	425 x 425	DCT0797
	375 x 550	422 x 600	DCT0798

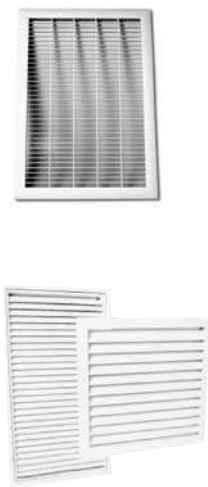
* DCT1970 (157 x 157) Opposed Blade Damper (O.B.D) to suit (see page 153)

** 595 x 595mm "lay in" T-rail grille.

- Manufactured in high quality aluminium extrusion profiles
- Flush face finish powder coated white
- Poly neck adaptors (see page 156)
- Special sizes subject to availability
- FILTER models have hinged removable filters and the filter media is G2 rated
- FACE ONLY models manufactured from high impact polystyrene and resistant to scratching and fading. Aluminium eggcrate biscuits powder coated white. Quick fix fixing clips, no tools required.



Louvre Return Grilles



Description		Face Size W x H (mm)	Neck Size W x H (mm)	Order Code
Uni-Louvre with Fixing Flange	no G2 Filter	428 x 603	375 x 550	DCT0729
	with G2 Filter			DCT0805
Louvre	Fixed Core	200 x 150	188 x 146	DCT3540
		200 x 200	190 x 190	DCT3489
		300 x 300	290 x 290	DCT3490
		350 x 200	340 x 190	DCT3635
		400 x 350	-	DCT1382
		400 x 500		DCT1383
		400 x 600		DCT1384
		400 x 900		DCT1385
		500 x 400		DCT1386
		595 x 595	540 x 540	DCT3491
	Removable Core	400 x 350	-	DCT1377
		400 x 500		DCT1378
		400 x 600		DCT1379
		400 x 900		DCT1380
		500 x 400		DCT1381

Grilles, Diffusers
and Ducting

- Uni-Louvre grilles are manufactured from V-Zero fire rated ABS plastic AS/NZ 1530.3
- Louvre grilles are manufactured using high quality aluminium, and are powder coated white
- Replacement filter cloth DCT3250

Ceiling Mounted Grilles



Model	Neck Size W x H (mm)	Face Size W x H (mm)	Order Code
Removable Core Eggcrate Grilles	140 x 140	180 x 180	DCT3566
	190 x 190	230 x 230	DCT3636

- Resistant to scratching and fading
- Manufactured from aluminium and powder coated white as standard



Grilles/Cowls/Domes

Door Relief Air Grilles

Grilles, Diffusers
and Ducting



Cut-Out Size W x H (mm)	Order Code
300 x 300	DCT3486
450 x 150	DCT1387
450 x 200	DCT1388
450 x 250	DCT1389
450 x 300	DCT1390
450 x 450	DCT1391
500 x 300	DCT3487
600 x 150	DCT1392
600 x 200	DCT1393
600 x 250	DCT1394
600 x 300	DCT1395
600 x 350	DCT1396
600 x 400	DCT1397
600 x 450	DCT1398
600 x 600	DCT1399

Door Grilles



Description	Size W x H x D (mm)	Order Code
Internal Door Ventilation Grille	455 x 90 x 33	FAN0159

- This door grille allows make-up air into the room.



Wall/Ceiling Plate Grilles



Description	Plate Size W x H (mm)	Colour	Order Code
Fixed Louvre Vent	245 x 80	White	DCT2194
		Chrome	DCT2195
	245 x 160	White	DCT2196
		White	DCT2198
Adjustable Vent	245 x 80	White	DCT2188
	245 x 245	White	DCT2192

Grilles, Diffusers
and Ducting

- Manufactured from PVC in either white or chrome.
- Designed for use when make-up air is required.
- Fixed louvre provides maximum airflow.
- Adjustable vent can be fully closed off when not required.

Wall/Ceiling Grille Face Plates



Duct (mm)	Grille Type	Colour	Order Code
150	Fixed Louvre	White	DCT0352
230	Fixed Louvre	White	DCT0354

- For situations where no spigot is required.



Roof Cowl

Roof Cowl

Grilles, Diffusers
and Ducting

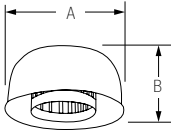
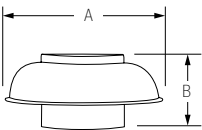


Tube (mm Ø)	Description	Order Code
150	General Purpose	DCT0708
	General Purpose Black	DCT0800
	Heavy Duty	DCT0709
	Heavy Duty Black	DCT0801

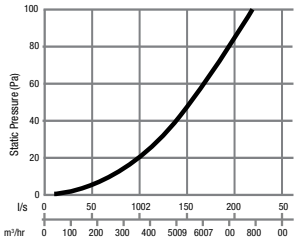
- Added exhaust aperture area and deep vent coverage
- Recommended where high winds in exposed locations may drive rain into the vent
- Also recommended for high-airflow air intake systems to prevent rain being sucked into the system.

Dimensions (mm)

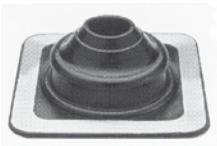
Description	A	B
General Purpose	275	125
Heavy Duty	275	140



Technical



EPDM Flashing

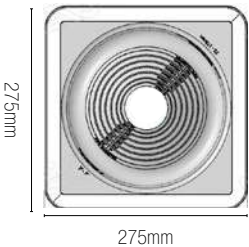


Size (mm)	Material	Minimum Roof Pitch	Maximum Roof Pitch	Fire Rating	Order Code
150	EDPM / ALU	10°	40°	N/A	DCT0180

- Durable, waterproof flashing for pipes and flues through profiled metal roofs
- Suitable for a 150mm HDPE tube, using a soaker flashing
- Designed for roof pitches between 10° and 40°
- Install diagonally at 45° and ensure compatibility with the roof coating

PIPE DIAMETER

No. Ring	Ømm
1 ST	95-117
2 ND	117-140
3 RD	140-152
4 TH	152-165
5 TH	165-178
6 TH	179-191
7 TH	191-197



Roof Cowl Kits



Tube (mm Ø)	Description	Order 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 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

- 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	Order Code
Reducer - 150 to 125	DCT2066
Reducer - 150 to 100	DCT2122
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

Diffusers

Ceiling Diffusers - Round

Grilles, Diffusers
and Ducting

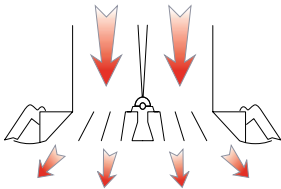


Type	Duct (mm)	Supply	Extract	Colour	Order Code
Unijet	250	Yes	-	White	DCT2783
	200	Yes		White	DCT4140
	150	Yes		White	DCT4139
Cone	300	Yes	Yes	White	DCT1475
	250	Yes	Yes	White	DCT1474
	200	Yes	Yes	White	DCT1473
	150	Yes	Yes	White	DCT1472
Eggcrate	200	Yes	Yes	White	DCT2595
Eggcrate (with damper)	200	Yes	Yes	White	DCT2609
	150	Yes	Yes	White	DCT2608
Stainless Steel	200	-	Yes	Stainless	DCT3026
	150		Yes	Stainless	DCT2141
	125		Yes	Stainless	DCT2140
	100		Yes	Stainless	DCT2139
Low Profile	150	Yes	-	White	DCT2208
Eco	200	Yes	Yes	White	DCT0068
	150	Yes	Yes	White	DCT0058
	125	Yes	Yes	White	DCT0174
	100	Yes	Yes	White	DCT0020

General Information

UNIJET Ceiling Diffusers

Diffusers have been designed not to just ‘dump’ air straight down like other similar diffusers, but to push supply air into the room as shown. Unijet diffusers disperse the air over a greater area because their louvres are at different angles. This gives a more even temperature over a greater area.



Cone Ceiling Diffusers

When used to supply ventilation, the air will be pushed down into the room. These diffusers are used in heat transfer systems and an adjustable screw in the centre cone ensures a balanced airflow.

Stainless Steel Ceiling Diffusers

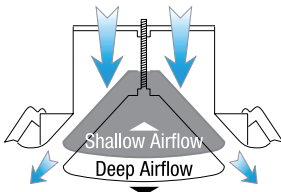
Designed for internal extraction where a quality finish is required.

Low Profile Ceiling Diffusers

High quality finish. These diffusers are included in the SmartVent home ventilation systems.

Eco Ceiling Diffusers

Cone centres are designed to suit the reverse cycle systems. Cone centres allow adjustable control of the airflow by moving the centre up or down. This is achieved by a screwing technique. Clockwise decreases and shallows the airflow while anti-clockwise increases and deepens the airflow. A fixing flange, which requires screws, is included.



Dimensions (mm)

Type	Duct	Face	Spigot Diameter	Spigot Length	Cut-Out Size
Unijet	250	Ø 335	Ø 246	92	300
	200	Ø 285	Ø 190	92	250
	150	Ø 234	Ø 145	70	200
Cone	300	Ø 435	Ø 300	102	405
	250	Ø 389	Ø 250	102	355
	200	Ø 317	Ø 200	95	282
	150	Ø 266	Ø 150	95	232
Eggcrate	200	Ø 290	Ø 200	95	260
	150	Ø 240	Ø 150	95	215
Stainless Steel	150	Ø 220	Ø 145	62	150
	125	Ø 172	Ø 120	52	130
	100	Ø 140	Ø 97	52	105
Low Profile	150	Ø 220	Ø 150	80	195
Eco	200	Ø 235	Ø 198	50	198
	150	Ø 186	Ø 148	50	148
	125	Ø 169	Ø 125	47	123
	100	Ø 149	Ø 99	47	98



Unijet



Cone



Eggcrate



Stainless Steel



Low Profile



Eco

Information

Model	Housing	Damper Blade	Fixing Clips (spring loaded)	Duct Tabs (positive lock)	Scratch Resistant	Fade Resistant
Unijet	ABS plastic (V-Zero fire rated) AS/NZ 1530 Part 3	Adjustable "set and forget" (tool supplied)	Yes	Yes	Yes	Yes
Cone	ABS plastic	Manual	Yes	Yes	Yes	Yes
Eggcrate	ABS plastic	Manual	Yes	Yes	Yes	Yes
Stainless Steel	Stainless Steel 304	Manual	Yes	Yes	Yes	Yes
Low Profile	ABS plastic	Manual	Yes	Yes	Yes	Yes
Eco	ABS plastic	Manual	Yes	Yes	Yes	Yes

Ceiling Diffusers - Square



Neck Size (mm)	Blade	Colour	Order Code
225 x 225	Fixed	White	DCT1022
	Moving	White	DCT0762
300 x 300	Fixed	White	DCT1019
	Moving	White	DCT0495
360 x 360	Fixed	White	DCT1023
	Moving	White	DCT0761
375 x 550	Fixed	White	DCT1024



Diffusers

SW-2T Swirl Diffusers

Grilles, Diffusers
and Ducting

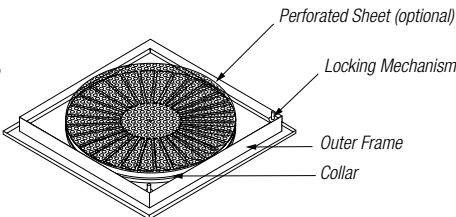
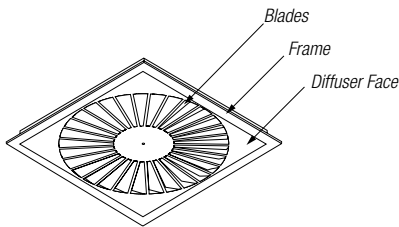


Duct (mm)	Blades	Description	Order Code
250	29	Side Entry Box	DCT2634
		Top Entry Box	DCT2614
300	29	Side Entry Box	DCT2635
		Top Entry Box	DCT2613
350	29	Side Entry	DCT2636
Plate only			DCT2615

SW-2T series is a swirl diffuser with fixed radially arranged air control blades. This unique type of slot provides high induction "vortex" air flow, projecting horizontally from the face of the diffuser. This swirling air flow produces a wider air distribution, with no stationary air jet, resulting in excellent uniformity of temperature in air conditioned spaces.

SW-2T is suited to areas of high heat load where large quantities of cool air must be rapidly mixed with room air and/or areas which require high air change in a short time.
The SW-2T series can also be used as a return and exhaust type device.

- Diffuser face can be opened without using any tools
- Volume control damper is adjustable without removing ceiling panel
- Swirl air pattern provides high induction ratio
- High coanda effect reduces direct-throw of air on occupants
- Standard sizes available for T-bar ceiling on metric or imperial size

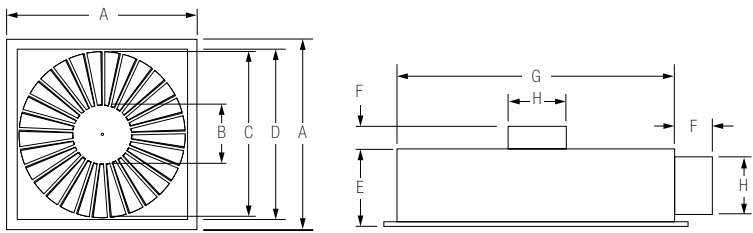


Housing	Volume Control
1.0mm White powder-coated galvanised steel	Adjustable damper



Dimensions (mm)

Duct	A	B	C	D	E	F	G	H
250	595	190	513	535	210	60	580	250
300	595	190	513	535	230	60	580	300
350	595	190	513	535	230	60	580	350



Technical

Duct (mm)	Collar Neck Vel. (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
	Vel. Pressure (Pa)	2	3	4	6	8	10	13	16	19	23
250	Throw (m)	0.9 - 1.8	1.2 - 2.4	1.5 - 2.7	1.8 - 3.0	2.1 - 3.4	2.4 - 3.7	2.7 - 4.0	2.7 - 4.0	3.0 - 4.3	3.0 - 4.3
	Tot. Press (Pa)	6	11	17	29	39	49	61	76	91	108
	Flow (l/s)	74	99	124	149	171	196	220	245	270	294
	NR (dB(A))	-	-	21	28	34	36	40	42	44	46
300	Throw (m)	1.2 - 2.4	1.5 - 3.0	1.8 - 3.4	2.4 - 4.0	2.7 - 4.3	3.0 - 4.6	3.4 - 4.6	3.7 - 4.9	3.7 - 5.2	3.9 - 5.5
	Tot. Press (Pa)	13	23	35	51	68	90	113	141	170	214
	Flow (l/s)	107	143	179	215	247	282	318	353	388	424
	NR (dB(A))	-	24	30	38	41	44	47	49	51	54



Diffusers

One Piece - Plaque Diffusers

Grilles, Diffusers
and Ducting

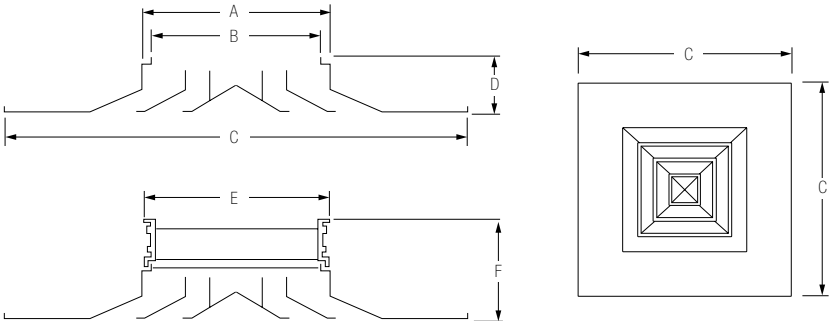


Neck Size (mm)		Order Code
225 x 225	595 x 595mm "lay in" T-rail diffuser	DCT2012
300 x 300	595 x 595mm "lay in" T-rail diffuser	DCT2013
360 x 360	595 x 595mm "lay in" T-rail diffuser	DCT2014

- One piece pressed aluminium, powder coated white
- Removable core, no joints, smooth airflow
- Side entry cushion boxes and poly neck adaptors (*see pages 155 and 156*)

Dimensions (mm)

Neck Size	A	B	C	D	E	F	G	H
225 x 225	220	207	595	45	212	85	225	225
300 x 300	294	278	595	45	285	85	300	300
360 x 360	369	355	595	45	360	85	360	360



CD2000 One Piece - 4 Way Diffusers



Neck Size (mm)		Order Code
225 x 225		DCT0792
300 x 300		DCT0468
360 x 360		DCT0793
435 x 435		DCT0794
595 x 595	595 x 595mm "lay in" T-rail diffuser	DCT0794

- Manufactured from V-Zero fire rated ABS plastic. AS/NZ 1530.3
- Resistant to scratching and fading
- Minimises problems associated with cold bridging in high humidity areas
- Spring loaded fixing clips
- Side entry cushion boxes and poly neck adaptors (*see pages 155 and 156*)
- Opposed blade damper available for order

Technical

Neck Size (mm)	Neck Vel (m/s)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5
225 x 225	Throw (m)	-	0.8	1.7	3.8	5.7	7.4	8.9	10.2	11.4	12.3	13.1	13.7
	PD (Pa)	-	10	18	27	38	51	66	83	101	121	143	166
	Flow (l/s)	-	66	88	110	132	154	176	198	221	243	265	287
	NR (dB(A))	-	< 8	< 15	20	24	29	33	38	41	45	48	50
300 x 300	Throw (m)	-	1.7	4.4	6.9	9.1	11.0	12.6	13.9	15.0	15.8	16.4	16.9
	PD (Pa)	-	10	18	27	38	51	66	83	101	121	143	166
	Flow (l/s)	-	118	157	196	235	274	314	353	392	431	470	510
	NR (dB(A))	-	< 11	< 18	23	27	31	36	40	44	47	50	53
360 x 360	Throw (m)	1.5	4.8	8.2	11.2	13.7	15.8	17.4	18.7	19.6	20.3	20.8	21.0
	PD (Pa)	5	10	18	27	38	51	66	83	101	121	143	166
	Flow (l/s)	126	189	252	315	378	441	504	567	630	693	756	819
	NR (dB(A))	1	13	20	25	29	34	38	42	46	49	52	56
595 x 595	Throw (m)	3.8	8.2	12.3	15.7	18.5	20.7	22.4	23.7	24.5	25.1	25.4	25.5
	PD (Pa)	5	10	18	27	38	51	66	83	101	121	143	166
	Flow (l/s)	185	277	370	462	555	647	740	832	925	1017	1109	1202
	NR (dB(A))	6	15	22	27	31	36	40	44	48	51	54	57



Diffusers

One Piece - 4 Way Diffusers

Grilles, Diffusers
and Ducting



Neck Size (mm)		Order Code
150 x 150		DCT2006
225 x 225		DCT2007
300 x 300		DCT2008
375 x 375		DCT2009
450 x 450	595 x 595mm "lay in" T-rail diffuser	DCT2010

- One piece pressed aluminium, powder coated white
- Removable core, no joints, smooth airflow
- Easily removable internal core assembly for ease of installation
- Negligible resistance to airflow
- Side entry cushion boxes and poly neck adaptors (*see pages 155 and 156*)

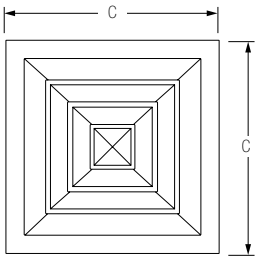
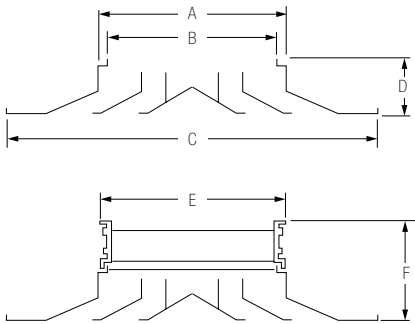
Technical

Neck Size (mm)	Neck Vel (m/s)	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7
150 x 150	Throw (m)	-	0.8	1.2	1.4	2.9	4.4	5.6	6.6	7.6	8.5	9.4	10.2
	PD (Pa)	-	13	19	27	37	47	59	72	86	102	119	136
	Flow (l/s)	-	36	46	55	64	73	82	91	100	109	118	128
	NR (dB(A))	-	11	15	19	22	24	27	29	32	36	38	41
225 x 225	Throw (m)	0.8	2.0	4.9	7.0	8.7	10.2	11.6	12.9	14.2	15.5	16.8	18.1
	PD (Pa)	7	13	19	27	37	47	59	72	86	102	119	136
	Flow (l/s)	66	88	110	132	154	176	198	221	243	265	287	309
	NR (dB(A))	9	15	19	23	26	29	33	37	40	43	46	48
300 x 300	Throw (m)	1.8	5.6	8.0	9.9	11.5	13.1	14.7	16.3	18.0	19.7	21.4	23.2
	PD (Pa)	7	13	19	27	37	47	59	72	86	102	119	136
	Flow (l/s)	122	162	203	244	284	325	366	406	447	487	528	569
	NR (dB(A))	12	18	22	26	29	34	38	42	45	48	51	53
360 x 360	Throw (m)	4.5	7.5	9.6	11.3	13.0	14.7	16.5	18.4	20.4	22.5	24.7	27.0
	PD (Pa)	7	13	19	27	37	47	59	72	86	102	119	136
	Flow (l/s)	194	259	324	389	454	518	583	648	713	778	842	907
	NR (dB(A))	14	20	24	28	33	38	42	46	49	52	55	57
595 x 595	Throw (m)	6.4	8.7	10.4	12.0	13.8	15.7	17.8	20.0	22.3	24.8	27.4	30.0
	PD (Pa)	7	13	19	27	37	47	59	72	86	102	119	136
	Flow (l/s)	290	387	484	581	678	774	871	968	1065	1162	1258	1355
	NR (dB(A))	16	22	26	31	37	41	45	49	52	55	58	61



Dimensions (mm)

Neck Size	A	B	C	D	E	F	G	H
150 x 150	144	131	290	45	137	85	150	150
225 x 225	220	207	365	45	212	85	225	225
300 x 300	294	278	440	45	285	85	300	300
360 x 360	369	355	515	45	360	85	360	360
450 x 450	444	430	595	45	435	85	450	450



Diffusers

Double Deflection Wall Diffusers



Type	Neck Size (mm)	Order Code
Fixed Core	300 x 100 *	DCT2020
	350 x 150 *	DCT2021
	400 x 100	DCT2022
	400 x 150	DCT2023
	400 x 200	DCT2024
	500 x 100	DCT2025
	500 x 150	DCT2026
	500 x 200	DCT2027
	500 x 300	DCT2028
	600 x 150	DCT2029
	600 x 200	DCT2030
	600 x 300	DCT2031
	800 x 150	DCT2032
	800 x 200	DCT2033
	800 x 300	DCT2034
	800 x 400	DCT2035
Removable Core	300 x 100 *	DCT1372
	300 x 150	DCT4137
	350 x 100 *	DCT1373
	400 x 150	DCT1374
	400 x 200	DCT1375
	500 x 200	DCT4135
	600 x 300	DCT4133

- Manufactured in high quality aluminium extrusion profiles, powder coated white
- Designed with nylon bushes for efficient, smooth operation
- Deflection blades are adjustable individually
- Standard 20mm blade spacing
- Opposed blade dampers and removable core are available on request
- Special sizes subject to availability

* Suits poly floor boots (see page 133)

Please enquire about any options not listed above that you may wish to order

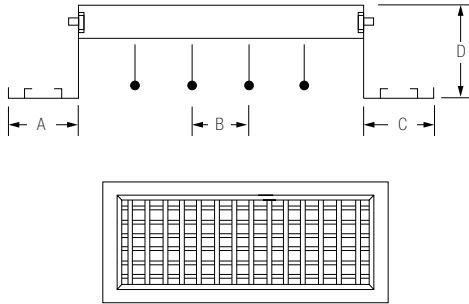


Technical

Neck Size W x D (mm)	Face Vel (m/s)	1.5	2	2.5	3	3.5	4	4.5	5
	Static Pressure (Pa)	9	16	26	37	50	62	83	102
300 x 100	Flow (l/s)	38	51	63	75	90	102	114	129
	Flow (m³/hr)	138	185	228	272	325	371	411	466
	NR (dB(A))	<15	15	23	26	30	35	41	45
300 x 150 400 x 100	Flow (l/s)	56	75	94	114	133	149	168	189
	Flow (m³/hr)	202	272	342	411	479	541	607	684
	NR (dB(A))	<15	15	24	28	30	35	41	46
500 x 100	Flow (l/s)	66	88	111	132	155	178	200	223
	Flow (m³/hr)	238	318	403	476	561	643	723	806
	NR (dB(A))	<15	15	22	28	30	35	40	46
400 x 150	Flow (l/s)	77	102	128	153	178	202	230	256
	Flow (m³/hr)	277	367	462	553	644	731	831	927
	NR (dB(A))	<15	16	24	27	30	35	40	46
400 x 200 500 x 150	Flow (l/s)	86	128	142	169	197	225	255	284
	Flow (m³/hr)	309	462	515	612	714	813	921	1029
	NR (dB(A))	<15	16	23	27	31	35	40	46
500 x 200 600 x 150	Flow (l/s)	113	150	188	226	263	301	338	376
	Flow (m³/hr)	408	544	680	816	952	1088	1224	1360
	NR (dB(A))	<15	17	23	27	31	35	40	46
600 x 200 800 x 150	Flow (l/s)	169	226	282	348	395	451	508	573
	Flow (m³/hr)	612	816	1020	1250	1425	1632	1836	2074
	NR (dB(A))	<15	20	23	27	31	35	40	47
500 x 300 600 x 300 800 x 200	Flow (l/s)	226	301	376	451	526	602	677	752
	Flow (m³/hr)	816	1088	1360	1632	1904	2176	2448	2720
	NR (dB(A))	16	21	24	28	32	37	41	48

Dimensions (mm)

A	B	C	D
25	20	25	45



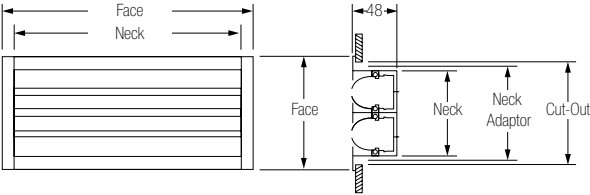
Diffusers

Slot Diffusers

Grilles, Diffusers
and Ducting



Diffuser Only					
Slots	Face Size L x W (mm)	Neck Size L x W (mm)	Neck Adaptor Size L x W (mm)	Cut-Out Size L x W (mm)	Order Code
1	637 x 85	600 x 48	610 x 58	615 x 63	DCT2685
	937 x 85	900 x 48	910 x 58	915 x 63	DCT3548
	1237 x 85	1200 x 48	1210 x 58	1215 x 63	DCT2686
2	637 x 130	600 x 93	610 x 103	615 x 118	DCT2653
	935 x 123	907 x 85	910 x 85	898 x 90	DCT3549
	1237 x 130	1200 x 93	1210 x 103	1215 x 118	DCT2655
	1537 x 130	1500 x 93	1510 x 103	1515 x 118	DCT2688
	1837 x 130	1800 x 93	1810 x 103	1815 x 118	DCT2689
3	1237 x 175	1200 x 138	1210 x 148	1215 x 153	DCT2687
	1837 x 175	1800 x 138	1810 x 148	1815 x 153	DCT2690



Plenum Only			
Slots	Size W x H x D (mm)	Duct Size (mm)	Order Code
1	600 x 230 x 68	150	DCT2677
	900 x 230 68	200	DCT3546
	1200 x 230 x 68	150	DCT2679
2	600 x 230 x 113	150	DCT2678
	273 x 273 x 93	200	DCT3547
	1200 x 230 x 113	200	DCT2680
		300	DCT2654
	1500 x 230 x 113	250	DCT2682
3	1800 x 230 x 113	250	DCT2683
	1200 x 230 x 158	250	DCT2681
	1800 x 230 x 158	300	DCT2684

- The SLLS linear ceiling diffuser can be used in T-bar ceiling suspension system and other ceiling types as well
- The diffuser incorporates curved blade pattern controllers for adjustment of air distribution
- Approximately 38% free area when blades are fully open

Information

Housing	Finish	Controller Vane Finish	Slots
Extruded aluminium A6063	Baked white powder coated	Black anodised	1-6



Technical

Slots	Duct (mm)	Length (mm)								
1	150	600	Static Pressure (Pa)	4	8	14	23	33	45	58
			Throw (m)	1.8-3.4	2.7-4.0	3.4-4.6	3.7-5.2	0.4-5.5	4.3-6.1	4.6-6.4
			Flow (l/s)	14	21	28	36	43	50	57
			Flow (m³/hr)	51	77	102	128	153	179	204
			NR (dB(A))			26	31	35	38	42
		1200	Static Pressure (Pa)	3	8	14	21	31	42	55
			Throw (m)	0.6-2.7	2.7-4.0	2.7-4.6	3.7-5.2	0.4-5.5	4.3-6.1	4.6-6.4
			Flow (l/s)	21	32	43	53	64	75	85
			Flow (m³/hr)	77	116	153	192	230	269	306
			NR (dB(A))			25	30	35	38	41
2	150	600	Static Pressure (Pa)	3	7	12	20	28	39	52
			Throw (m)	0.9-3.7	2.1-5.8	0.4-7.9	5.2-10.1	6.1-11.9	0.7-12.8	8.2-13.7
			Flow (l/s)	19	30	40	51	61	72	83
			Flow (m³/hr)	68	107	145	184	221	260	298
			NR (dB(A))			24	29	34	37	41
	200	1200	Static Pressure (Pa)	5	9	14	21	29	39	49
			Throw (m)	1.5-4.0	2.7-5.2	3.7-6.1	4.3-6.7	5.2-7.3	8.5-7.6	5.8-8.2
			Flow (l/s)	43	59	76	92	109	125	142
			Flow (m³/hr)	153	213	272	332	391	451	510
			NR (dB(A))			24	29	33	36	39
3	250	1200	Static Pressure (Pa)	4	7	12	18	26	35	45
			Throw (m)	2.4-5.5	0.4-7.0	5.2-7.9	6.1-8.8	6.7-9.4	7.3-10.4	7.9-11.0
			Flow (l/s)	71	102	132	163	194	224	255
			Flow (m³/hr)	255	366	476	587	697	808	918
			NR (dB(A))			24	29	33	37	40

Grilles, Diffusers
and Ducting



Floor Registers

Floor Registers

Grilles, Diffusers
and Ducting



Standard



Kick Rail

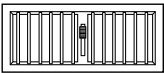


Description	Type	Neck Size W x H (mm)	Colour	Order Code
Side Flow	Poly	300 x 100	Beige	DCT0914
			White	DCT0247
			Chocolate	DCT1137
		350 x 150	Slate Grey	DCT0249
			Beige	DCT0713
			White	DCT1052
			Black	DCT0248
	Metal - Standard	300 x 100	Beige	DCT2213
		350 x 150	Beige	DCT2214
Front Flow	Metal - Kick Rail	300 x 50	White	DCT2209
		350 x 50	White	DCT2211
	Poly	300 x 100	Chocolate	DCT0983
			Beige	DCT0752
		350 x 150	Slate Grey	DCT0754
			White	DCT1059
			Chocolate	DCT0960

- Manufactured from V2 fire rated high impact polycarbonate
- Positive shut-off, resistant to scratching and fading
- Powder-coated metal
- Improved air flow control

Dimensions (mm)

Description	Size	Face Size	Neck Size	Spigot Length
Floor Register	300 x 100	345 x 140	298 x 98	50
	350 x 150	392 x 190	348 x 148	63
Kick Rail	300 x 50	345 x 100	300 x 51	40
	350 x 50	395 x 100	348 x 51	46



Floor Boots



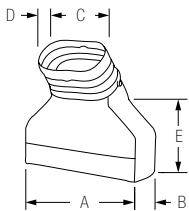
Description	Size W x H : Ø (mm)	Recommended Airflow (approx. l/s)	Order Code
Poly	300 x 100 : Ø 150	65	DCT0714
	350 x 150 : Ø 200	90	DCT0715
	350 x 150 : Ø 250	140	DCT0716
Metal	300 x 50 : Ø 150	65	DCT2215
	300 x 100 : Ø 150	65	DCT1449
	350 x 50 : Ø 150	65	DCT2216

Grilles, Diffusers
and Ducting

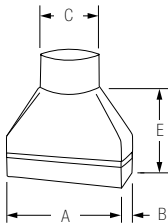
- Poly boot manufactured from high density polyethylene
- Metal boot manufactured from galvanised steel
- UV stabilised
- Robust, heavy duty with smooth internal lines
- Complete with collar and damper
- Positive lock duct tabs, nail holes pre-punched

Dimensions (mm)

Description	Size (mm)	Neck Size A x B (mm)	Spigot Size C x D (mm)	Boot Length E (mm)
Poly	300 x 100 : Ø 150	300 x 100	180 x 90	220
	350 x 150 : Ø 200	355 x 150	250 x 110	250
	350 x 150 : Ø 250	355 x 150	340 x 110	250
Metal	300 x 50 : Ø 150	300 x 50	Ø 150	250
	300 x 100 : Ø 150	300 x 100	Ø 150	250
	350 x 50 : Ø 150	350 x 50	Ø 150	250



Poly

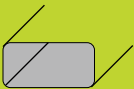


Metal



MANROSE®

LOW PROFILE FLAT CHANNEL DUCTING SYSTEMS



DCT0013

110mm x 54mm (equivalent to 100mm Ø)

- Suitable for applications requiring low extraction rates (i.e. laundries and toilets).
- 5940mm² cross-section provides efficient ducting for short, straight runs connecting to a 100mm round spigot.



DCT0519

204mm x 60mm (equivalent to 125mm Ø)

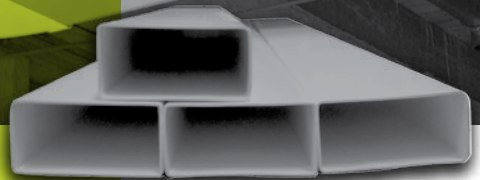
- Suitable for ducting of range hoods with 100mm, 125mm or 150mm round exhaust spigots.
- 12240mm² cross-section increases efficiency.



DCT1443

220mm x 90mm (equivalent to 150mm Ø)

- Suitable for high performance extraction or supply.
- 19800mm² cross-section makes it highly efficient and higher extraction rates are achieved.



The Manrose range of low profile modular ducting systems include the most comprehensive range of flat channel ducting, connectors, reducers and accessories, offering you reliable ducting solutions to every application. Designed with significant advantages over conventional round and flexible systems, low profile ducting is easily concealed when installed along the top of wall units. It can also be fitted in ceiling voids and cavity walls, providing versatility whilst remaining unobtrusive. All Manrose system parts and channels are made from flame-retardant material.

System Profiles Channel

Low profile ducting is easily concealed when installed along the top of wall units. It can also be fitted into ceiling and wall cavities, providing versatility whilst remaining unobtrusive. All system components are made from flame retardant material. Maximum temperature 60°C.

110mm x 54mm

(equivalent to 100mm Ø)



- Suitable for applications requiring low extraction rates (i.e. laundries and toilets)
- 5940mm² cross-section provides efficient ducting for short, straight runs connecting to a 100mm round spigot

204mm x 60mm

(equivalent to 125mm Ø)



- Suitable for ducting of range hoods with 100mm, 125mm or 150mm round exhaust spigots
- 12240mm² cross section increases efficiency

220mm x 90mm

(equivalent to 150mm Ø)



- Suitable for high performance extraction or supply
- 19800mm² cross section makes it highly efficient and higher extraction rates are achieved

Duct (M)



Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)								Order Code
		10 (l/s)	12 (l/s)	25 (l/s)	40 (l/s)	50 (l/s)	60 (l/s)	120 (l/s)	180 (l/s)	
110 x 54	110 x 54 x 1500	1.5	2.4	9.1	19.8	25.9	32	-	-	DCT0013
204 x 60	204 x 60 x 1500	<1	<1	1.5	4.5	5.9	78	-	-	DCT0519
220 x 90	220 x 90 x 1500	-	-	-	-	-	1.4	4.9	10.2	DCT1443

Connectors (F to F)



Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)								Order Code
		10 (l/s)	12 (l/s)	25 (l/s)	40 (l/s)	50 (l/s)	60 (l/s)	120 (l/s)	180 (l/s)	
110 x 54	114 x 54 x 100	<1	<1	1.4	3.4	4.8	6.4	-	-	DCT0014
204 x 60	212 x 64 x 100	<1	<1	<1	<1	1.2	1.5	-	-	DCT0520
220 x 90	224 x 95 x 52	-	-	-	-	-	<1	<1	<1	DCT1442



Low Profile Flat Channel Ducting

Horizontal T-Pieces (F to F)

Grilles, Diffusers and Ducting

Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)								Order Code
		10 (l/s)	12 (l/s)	25 (l/s)	40 (l/s)	50 (l/s)	60 (l/s)	120 (l/s)	180 (l/s)	
110 x 54	143 x 60 x 174	(installation dependent)						-		DCT1479
204 x 60	245 x 65 x 279							-		DCT1114
220 x 90	280 x 95 x 250	-						(installation dependent)		DCT3126

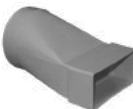
Horizontal and Vertical Bends (F to F)






Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)								Order Code
		10 (l/s)	12 (l/s)	25 (l/s)	40 (l/s)	50 (l/s)	60 (l/s)	120 (l/s)	180 (l/s)	
Horizontal 90° Bends										
110 x 54	152 x 60 x 152	2.6	9.9	38	93	124	162	-		DCT0125
204 x 60	260 x 65 x 260	1.4	1.7	8.4	18	25	34	-		DCT0524
220 x 90	250 x 95 x 250	-					9	36	80	DCT1448
Horizontal 45° Bends										
220 x 90	240 x 95 x 200	-					5	20	46	DCT2701
Vertical 90° Bends										
110 x 54	115 x 95 x 95	3.3	15.5	36	138	190	253	-		DCT0126
204 x 60	210 x 115 x 115	1.1	2.5	5.2	24	33.6	45	-		DCT0525
220 x 90	224 x 117 x 120	-					7	28	66	DCT1447
Vertical 45° Bends										
220 x 90	225 x 110 x 115	-					6	27	65	DCT2700

Round to Rectangular Adaptors

Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)								Order Code
		10 (l/s)	12 (l/s)	25 (l/s)	40 (l/s)	50 (l/s)	60 (l/s)	120 (l/s)	180 (l/s)	
Short Adaptors										
Ø 100 (M) : 110 x 54 (F)	110 x 60 x 105	3	4.3	20	43	62	88	-		DCT0127
Ø 100 (M) : 110 x 54 (M)	110 x 60 x 105	3	4.3	20	43	62	88	-		DCT0131
Long Adaptors										
Ø 100 (M) : 110 x 54 (F)	115 x 100 x 180	2.9	4.2	19.8	42	60	86	-		DCT1482
Ø 125 (F) : 204 x 60 (F)	213 x 140 x 213	<1	<1	2.8	6.7	9	11.5	-		DCT0526
Ø 150 (F) : 220 x 90 (F)	225 x 160 x 203	-					3.7	14.1	30.7	DCT1446



Low Profile Flat Channel Ducting

Reducers



Description	Order Code
110 x 54 : 204 x 60	DCT0136
204 x 60 : 220 x 90	DCT1452

Designed to fit 204 x 60mm flat channel or airbrick

Grilles, Diffusers
and Ducting

Elbow Bends

(with rotating offset spigot)



Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)								Order Code
		10 (l/s)	12 (l/s)	25 (l/s)	40 (l/s)	50 (l/s)	60 (l/s)	120 (l/s)	180 (l/s)	
100mm										
Ø 100 (M) : 110 x 54 (F)	115 x 90 x 140	5.6	8	33	74.5	101	137	-	-	DCT0124
Ø 100 (F) : 110 x 54 (F)	115 x 90 x 140	5.6	8	33	74.5	101	137	-	-	DCT0015
Ø 100 (M) : 204 x 60 (F)	215 x 80 x 195	2.9	7.1	28	68.1	92.2	118	-	-	DCT0521
Ø 100 (M) : 220 x 90 (F)	226 x 118 x 240	-					5.3	20.4	44.8	DCT1444
125mm										
Ø 125 (M) : 204 x 60 (F)	215 x 80 x 195	3.1	5.9	25	62.2	86	111	-	-	DCT0522
Ø 125 (M) : 220 x 90 (F)	226 x 118 x 240	-					3.6	14.9	34.4	DCT1440
150mm										
Ø 150 (M) : 204 x 60 (F)	215 x 80 x 195	2.8	4.9	21	41	53	67	-	-	DCT0523
Ø 150 (M) : 220 x 90 (F)	226 x 118 x 240	-					9	34	75	DCT1441

Adjustable Bend - Horizontal



Duct (mm)	Order Code
204 x 60	DCT1480



Low Profile Flat Channel Ducting

Airbrick Inserts

Grilles, Diffusers
and Ducting



Description	Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)								Order Code
			10 (l/s)	12 (l/s)	25 (l/s)	40 (l/s)	50 (l/s)	60 (l/s)	120 (l/s)	180 (l/s)	
Horizontal	204 x 60	210 x 65 x 85	3.2	7.8	20.9	96	128	176	-	-	DCT0137
Vertical	204 x 60	65 x 210 x 85	3.2	7.8	20.9	96	128	176	-	-	DCT1414

Horizontal: 110 x 54 duct connection requires reducer DCT0136
 204 x 60 duct connection requires duct connector DCT0520
 Vertical: Comes with duct connector DCT0520

Double Airbrick



Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)			Order Code
		60 (l/s)	120 (l/s)	180 (l/s)	
220 x 90	245 x 145 x 80	37.4	74.8	112.2	DCT1450

Double Airbrick Adaptor



Duct (mm)	Dimensions W x H x D (mm)	Flow Rate Resistance (Pa)			Order Code
		60 (l/s)	120 (l/s)	180 (l/s)	
220 x 90	226 x 132 x 52	10.4	37	81.5	DCT1451

Double Airbrick Adaptor to Round Duct

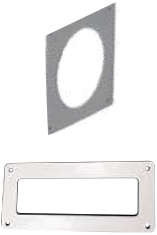


Duct (mm)	Dimensions W x H x D (mm)	Order Code
100/125/150	235 x 140	DCT1453



Low Profile Flat Channel Ducting

Wall/Ceiling Plates



Size (mm)	Dimensions W x H (mm)	Order Code
Round		
Ø 104	155 x 155	DCT0148
Ø 130	170 x 170	DCT0149
Ø 160	200 x 200	DCT0150
Rectangular		
110 x 54	154 x 154	DCT0016
204 x 60	264 x 119	DCT0528

Grilles, Diffusers and Ducting

External Tube Grille



Dimensions	Order Code
Ø 100	DCT2206

Designed to fit directly into round solid tube, for systems ducted straight through an external wall.

External Louvre Grilles



Dimensions	Order Code
Ø 100	DCT2200
Ø 125	DCT2201
Ø 150	DCT2202

Duct Clips



Duct (mm)	Clips Required	Order Code
Horizontal		
110 x 54	1	DCT0134
204 x 60	1	DCT0527
Vertical		
220 x 90	2	DCT1445



Flexible Ducting - Unilok FR1

Grilles, Diffusers
and Ducting

Diameter (mm)	Length (m)	Nude Order Code	Thermally Insulated		
			R0.6 (40mm) Order Code	R1.0 (70mm) Order Code	R1.5 (100mm) Order Code



100	3	DCT1133	-		
	6	DCT1198	-		
125	3	DCT1134	DCT1469		
	6	DCT1143	DCT1204		
150	3	DCT0561	DCT0583	DCT0817	DCT3038
	6	DCT0562	DCT0584	DCT0818	-
200	3	DCT0563	DCT0585	DCT0819	DCT3039
	6	DCT0564	DCT0586	DCT0820	-
250	3	DCT0565	DCT0587	DCT0821	DCT3040
	6	DCT0566	DCT0588	DCT0822	-
300	3	DCT0567	DCT0589	DCT0823	DCT3041
	6	DCT0568	DCT0590	DCT0824	-
350	3	DCT0569	DCT0591	DCT0825	DCT3042
	6	DCT0570	DCT0592	DCT0826	-
400	3	DCT0571	DCT0593	DCT0827	DCT3043
	6	DCT0572	DCT0594	DCT0828	
450	3	DCT0573	DCT0595	DCT0829	
	6	DCT0574	DCT0596		
500	3	DCT0575	DCT0597		
	6	DCT0576			
550	3	DCT0577			

UNILOK FR1 thermally insulated fire retardant ducting is a flexible duct manufactured "tough" for consumer and installer peace of mind. Unlike other types of flexible duct, UNILOK FR1 has an outer steel rib that ensures the product's integrity and correct diameter, even in the tightest bends. Due to its steel rib, it is not prone to glue failure or fatigue (sagging or ovalisation) from vibration with age like plastic ribbed or non-ribbed glued duct.

- Complies with AS4254
- Duct core: A UV resilient fire retardant 100µm black low density polyethylene material mechanically locked into an outer metal helix with a copper coated spring steel wire
- Duct sleeve: Fire retardant 75µm black low density UV-stabilised polyethylene
- Temperature range: Maximum: +80°C, Minimum: -10°C



Flexible Ducting - Unilok FR1

Diameter (mm)	Length (m)	Thermally and Acoustically Insulated		
		R0.6 (40mm)	R1.0 (70mm)	R1.5 (100mm)
		Order Code	Order Code	Order Code



125	3	-	DCT1176	-
150	3	DCT0633	DCT0833	DCT3032
	6	DCT0634	DCT0834	-
200	3	DCT0635	DCT0835	DCT3033
	6	DCT0636	DCT0836	-
250	3	DCT0637	DCT0837	DCT3034
	6	DCT0638	DCT0838	-
300	3	DCT0639	DCT0839	DCT3035
	6	DCT0640	DCT0840	-
350	3	DCT0641	DCT0841	DCT3036
	6	DCT0642	DCT0842	-
400	3	DCT0643	DCT0843	DCT3037
	6	DCT0644	DCT0844	-
450	3	DCT0645	DCT0845	-
500	3	DCT0647	DCT0846	-

UNILOK FR1 thermally and acoustically insulated fire retardant ducting is a flexible duct manufactured "tough" for consumer and installer peace of mind. UNILOK FR1 acoustic ducting is also manufactured "whisper quiet". Unlike other types of flexible duct, UNILOK FR1 has an outer steel rib that ensures the product's integrity and correct diameter, even in the tightest bends. Due to its steel rib, it is not prone to glue failure or fatigue (sagging or ovalisation) from vibration with age like plastic ribbed or non-ribbed glued duct.

- Complies with AS4254
- Designed for low noise air transfer
- Duct core: A UV resilient fire retardant 100µm black low density polyethylene perforated material mechanically locked into an outer metal helix with a copper coated spring steel wire.
- Duct sleeve: Fire retardant 75µm black low density UV-stabilised polyethylene
- Temperature range: Maximum: +80°C, Minimum: -10°C

Insertion Loss, dB Octave Band Centre Frequency: Nominal 3m Length

Acoustic Ducting Sample	125	250	500	1000	2000	4000	8000
150mm UNILOK FR1 R0.6 AI	35.5	39.2	36.0	30.3	29.8	31.5	22.5
300mm UNILOK FR1 R0.6 AI	33.3	35.9	27.3	31.0	28.1	17.0	12.2
400mm UNILOK FR1 R0.6 AI	36.1	30.0	20.6	27.2	26.0	12.7	10.5



Flexible Ducting - ComFlex Premium

Grilles, Diffusers
and Ducting

Diameter (mm)	Length (m)	Nude	Thermally Insulated
			R0.6 (40mm)
		Order Code	Order Code



100	3	DCT0215	DCT0452
	6	DCT0104	
125	3	DCT0216	
	6	DCT0160	
150	3	DCT0217	DCT0427
	6	DCT0107	DCT0428
200	3	DCT0218	DCT0429
	6	DCT0109	DCT0430
250	3	DCT0219	DCT0431
	6	DCT0421	DCT0432
300	3	DCT0111	DCT0433
	6	DCT0422	DCT0434
350	3	DCT0112	DCT0435
	6	DCT0423	DCT0436
400	3	DCT0113	DCT0437
	6	DCT0424	DCT0438

- Complies with AS 4254.1-2021 and AS/NZS 1530.3:1999
- Duct core: Polyester film core with aluminium foil laminated onto both sides
- This composite film is then permanently bonded onto a corrosion resistant, spring steel wire helix
- Duct sleeve: Fire retardant 75µm black low density UV-stabilised polyethylene
- Duct insulation: Polyester R0.6 nominal
- Temperature range: Nude Core - Maximum: +150°C, Minimum: -30°C
- Colour: Silver with black sleeve

Note: No glued/adhesive duct should be installed in a compressed or ovalised state for fear of long-term failure.

TEST COMPLIANCE

Nude Flexible Ducting Test Results	AS 1530 Part 3	Passed
	UL 181 Burning	Passed
	UL 181 Burning	Passed
	UL 181 High & Low Temperature	Passed
	UL 181 Puncture	Passed
	UL 181 Static Load	Passed
	UL 181 Impact	Passed
	UL 181 Pressure	Passed
	UL 181 Collapse	Passed
	UL 181 Tension	Passed



Flexible Ducting - ComFlex

Diameter (mm)	Length (m)	Nude	Nude (Boxed)	Thermally Insulated
		Order Code	Order Code	R0.6 (40mm) Order Code



Grilles, Diffusers
and Ducting

100	1	-	DCT0357	-
	3	DCT0367	DCT0328	
	6	DCT0409	-	
125	1	-	DCT0358	DCT2612
	3	DCT0368	DCT0329	
	6	DCT0410	-	
150	1	-	DCT0359	-
	3	DCT0369	DCT0330	DCT0088
	6	DCT0411	-	DCT0399
200	3	DCT0377	DCT0331	DCT0089
	6	DCT0412	-	DCT0343
250	3	DCT0370	DCT0332	DCT0400
	6	DCT0413	-	DCT0344
300	3	DCT0380		DCT0401
	6	DCT0414		DCT0402
350	3	DCT0415		DCT0403
	6	DCT0416		DCT0404
400	3	DCT0417		DCT0405
	6	DCT0418		DCT0406

- Duct core: Aluminium foil laminated onto polyester film
- Duct sleeve: Fire retardant 75µm black low density UV-stabilised polyethylene
- Temperature range: Maximum: +150°C, Minimum: -30°C
- Colour: Silver with black sleeve

Note:

1. No glued/adhesive duct should be installed in a compressed or ovalised state for fear of long term failure
2. Products with the "order code" shown are generally ex. stock lines - other products are available to order
3. Should you have an ongoing requirement for an item that is not a standard stock line - PLEASE discuss with us and we will review stocking the item for you.



Flexible Ducting - PVC

Diameter (mm)	Length (m)	PVC
		Order Code



100	1	DCT0936
	3	DCT0336
125	1	DCT0937
	4	DCT0337
150	1	DCT0938
	5	DCT0338

PVC flexible duct is a product that is extremely versatile in the ventilation industry. It doesn't rot, is non-collapsing. It has an operating temperature of +6° to +50° and is available in a range of sizes from 100mm to 150mm.

- Duct core: spiral wire reinforced PVC film construction
- Non-collapsing/non-rotting
- Vapour-proof
- Fire retardant
- Temperature range: maximum: +50°C ; minimum: 6°C



Semi-Rigid Ducting - SemiDuct

Diameter (mm)	Length (m)	Aluduct	
		Nude	Insulated R0.6*
		Order Code	Order Code



100	1.5	DCT0333	-
	3	DCT0114	
125	1.5	DCT0334	
	3	DCT0115	
150	1.5	DCT0335	DCT2590
	3	DCT0116	
200	3	DCT0117	DCT2589
250	3	DCT0118	DCT2591
300	3	DCT0119	DCT3695
350	3	DCT0120	DCT3696
400	3	DCT0477	-

SEMI DUCT is also known as semi-rigid aluminium ducting, a lightweight, flexible but strong corrugated aluminium duct. It is spiral wound with a unique interlocked and knotted continuous seam. It is self supporting over longer lengths and generally only needs fittings or mechanical supports, fixings, or similar.

- Duct core: pure aluminium spiral wound with a unique interlocked and knurled continuous seam
- Holds shape, self-supporting
- Temperature range: maximum: +250°C, minimum: -30°C
- Colour: silver

* Sold in kit set form - some assembly required.



Duct Fittings

PVC Tubes

Grilles, Diffusers
and Ducting



Duct (mm)	Length (m)	Finish	Order Code
100	1	Grey	DCT1424
125	1	Grey	DCT1425
	2	Grey	DCT0235
150	1	Grey	DCT1426
	2.5	Grey	DCT3527
	0.5	Grey	DCT1620

Galvanised Steel Tubes



Duct (mm)	Length (m)	Finish	Order Code
100	0.9	Galvanised	DCT0151
		White	DCT0145
125	0.9	Galvanised	DCT0152
		White	DCT0146
	1.2	Galvanised	DCT0953
150	0.9	Galvanised	DCT0153
		White	DCT0147
	1.2	Galvanised	DCT0954

PVC Bends



Duct (mm)	Bend	Order Code
100	90°	DCT3770
	45°	DCT3775
125	90°	DCT3771
150	90°	DCT3772



Reducers

Duct (mm)	PVC	Poly	Insulated	Metal
	Order Code	Order Code	Order Code	Order Code
				
125-100	DCT2067	-	-	-
150-100	DCT2122			-
150-125	DCT2066			-
200-125	-			DCT0084
200-150	DCT0085	DCT0486	DCT0901	-
225-150	-	-	-	DCT0078
250-150	DCT0442			DCT0162
250-200	-	DCT0487	DCT0902	-
300-250		DCT0488	DCT0903	-
315-300		-	-	DCT2996
350-300		DCT0489	DCT0904	-
400-350		DCT0490	DCT0905	
450-300		-	DCT0916	
500-450			DCT4237	

- Poly - High Density Polyethylene (HDPE)
- Heavy duty, robust, positive lock duct tabs

Duct Joiners/Spigots/Fitting Joiners

Duct (mm)	PVC Joiners	Metal Joiners - Long	Metal Joiners - Short
	Order Code	Order Code	Order Code
			
100	DCT0159	-	-
125	DCT0234		DCT0037
150	DCT3528		DCT0059
200	-	DCT0723	DCT0071
250		DCT0724	DCT0339
300		DCT0725	-
350		DCT0726	
400		DCT0770	
450		DCT0771	
500		DCT0772	
		-	DCT1157

- Heavy duty, robust, positive lock duct tabs.

Please enquire about any options not listed above that you may wish to order



Duct Fittings

Cable Ties



Duct (mm)	Length (mm)	Order Code
100	450	FAN0274
125	550	FAN0281
150	800	FAN0282

Duct Straps



Description	Width (mm)	Length (m)	Order Code
Plastic (with clips)	12	3	DCT2299
Woven	25	50	DCT0808

Duct Tape



Width (mm)	Length (m)	Colour	Order Code
48	5	Grey	DCT0173
	30	Grey	DCT0807
		Black	DCT4142
	108	Silver UL181	DCT3232

Hanging Duct Straps



Width (mm)	Order Code
Orange Velcro	DCT3979
Silver Duct Saddle	DCT4330
Flexiright Duct Elbow	DCT4331

Kwik Uncoated Galvanised Wire Rope



Size Dia (mm)	Length (m)	Order Code
1.6	1	DCT4333
2.3	1	DCT4334
3.2	1	DCT4336
4.8	1	DCT4337

Kwik Uncoated Galvanised Wire Rope Clamps

Kwik Uncoated Galvanised Rope	Order Code
1.6mm & 2.3mm	DCT4332
3.2mm & 4.8mm	DCT4335

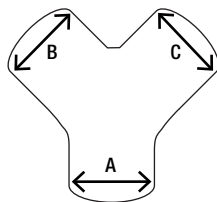


Inline Backdraught Shutters



Duct (mm)	PVC	Metal
	Order Code	Order Code
100	FAN0213	-
125	DCT0036	-
150	DCT0511	DCT2692
200	-	DCT2092
315	DCT2337	-

Y Branch



Duct (mm) A-B-C	PVC	Poly	Insulated	Metal
	Order Code	Order Code	Order Code	Order Code
100-100-100	DCT2182	-	-	-
125-125-125	DCT2183			-
150-100-100	-			DCT0079
150-125-125	-			DCT0707
150-150-150	DCT2184	DCT1233	DCT4346	-
200-150-150	-	DCT0379	DCT0865	
200-200-200		-	DCT0955	
250-200-200		DCT0471	DCT0866	
300-250-250		DCT0717	DCT0868	
300-300-300	-	DCT0494	DCT0869	
350-250-250		DCT1433	DCT1034	
350-300-300		DCT0718	DCT0870	
350-350-350		DCT0776	DCT0871	
400-300-300	-	DCT0777	DCT0872	
400-350-300		DCT0813	DCT0873	
400-350-350		DCT0778	DCT0874	
400-400-350	-	DCT1116	DCT1128	

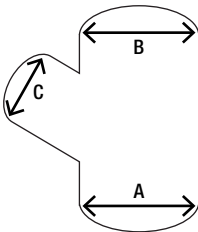
- Manufactured from HDPE
- UV stabilised
- Heavy duty, robust
- Smooth internal lines
- No sharp edges
- Positive lock duct tabs
- Insulation meets AS1530 Part 3
- Insulation material LDPE, thickness 5mm



Duct Fittings

Branch Take Off (BTO)

Grilles, Diffusers
and Ducting



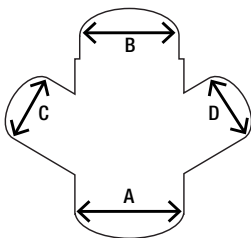
Duct (mm) A-B-C	Poly	Insulated	Metal
	Order Code	Order Code	Order Code
125-125-125	-	-	DCT0075
150-150-100	-	-	DCT0080
150-150-150	DCT0091	DCT0875	
200-150-150	DCT0719	DCT0876	
200-200-150	DCT0460	DCT0877	
200-200-200	DCT0461	DCT0878	
250-150-150	DCT1063	DCT0967	
250-200-150	DCT1064	-	
250-200-200	DCT0462	DCT0879	
250-250-150	DCT0463	DCT0880	
250-250-200	DCT0720	DCT0881	
250-250-250	DCT0464	DCT0882	
300-200-200	DCT1129	DCT1130	
300-250-200	DCT0721	DCT0883	
300-250-250	DCT0730	DCT0884	
300-300-200	DCT0978	DCT1094	
300-300-250	DCT0979	DCT1015	
300-300-300	DCT0491	DCT0885	
350-250-250	DCT0465	DCT0886	
350-300-200	DCT0915	DCT0945	
350-300-300	DCT0493	DCT0887	
350-350-200	DCT4432	DCT4433	

- Manufactured from HDPE
- UV stabilised
- Heavy duty, robust
- Smooth internal lines
- No sharp edges
- Positive lock duct tabs
- Insulation meets AS1530 Part 3
- Insulation material LDPE, thickness 5mm

Please enquire about any options not listed above that you may wish to order



Double Branch Take Off (DBTO)



Duct (mm) A-B-C-D	Poly	Insulated
	Order Code	Order Code
150-100-100-100	-	-
200-150-150-150	DCT0090	DCT0889
250-150-150-150	DCT0467	DCT0890
250-200-150-150	DCT0480	DCT0891
250-200-200-200	DCT1422	DCT0973
300-200-200-200	DCT0481	DCT0893
300-250-200-200	DCT0482	DCT0894
300-250-250-250	DCT0722	DCT0895
300-300-200-200	DCT0483	DCT0896
350-250-200-200	DCT0470	DCT0897
350-250-250-250	DCT0469	DCT0898
350-300-200-200	DCT2060	-
350-300-250-250	DCT0484	DCT0899
350-350-200-200	DCT0485	DCT0900

- Manufactured from HDPE
- UV stabilised
- Heavy duty, robust
- Smooth internal lines
- No sharp edges
- Positive lock duct tabs
- Insulation meets AS1530 Part 3
- Insulation material LDPE, thickness 5mm

Please enquire about any options not listed above that you may wish to order



Duct Fittings

Duct Silencers



Duct (Ø mm)	Tube Size (Ø mm)	Length (mm)	Order Code
125	225	600	DCT2617
150	260	600	DCT2090
		900	DCT3112
200	315	600	DCT2630
		900	DCT3113
250	355	600	DCT3114
		900	DCT3115
315	450	600	DCT3116
		900	DCT3117

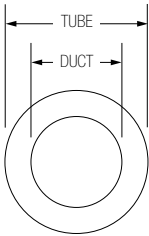
- Easily fitted for circular ducts
- Effectively reduces noise in the duct
- More than one silencer can be used together in installations, where noise reduction is a particularly strong requirement
- Other sizes available on request

Technical

Easily fitted silencer for circular ducts, fitted with a connection that complies with the spiral duct standard. The silencer effectively reduces noise in the duct. Two silencers can be used together in installations where noise reduction is a particularly strong requirement.

For the most effective noise reduction, the silencer should be fitted immediately behind the fan or bend. The silencer should be used together with an insulated fan where there is a requirement for noise reduction both in the duct and in the surroundings as a whole.

Noise suppression dB (mid-frequency Hz)								
LDC	63	125	250	500	1k	2k	4k	8k
100-300	2	2	6	14	21	25	20	11
100-600	4	3	11	24	36	49	34	17
100-900	5	4	15	34	50	50	48	23
100-1200	6	5	19	45	50	50	50	29
125-600	3	3	9	23	30	40	22	14
125-900	4	4	12	33	45	50	30	17
125-1200	5	5	15	43	50	50	38	21
150-600	-	3	7	20	27	31	16	11
160-600	2	3	7	19	27	29	14	11
160-900	2	4	10	28	42	43	20	15
200-600	2	3	7	16	21	23	9	8
200-900	2	4	8	24	32	34	13	10
250-600	3	2	7	13	17	16	8	6
250-900	3	4	8	20	26	23	10	8
315-600	0	2	6	11	14	9	4	5
315-900	1	3	7	16	22	12	6	7
355-900	-	3	6	13	18	10	6	7
400-900	1	3	5	10	13	7	5	6



Opposed Blade Dampers

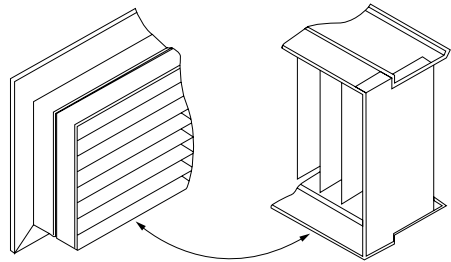
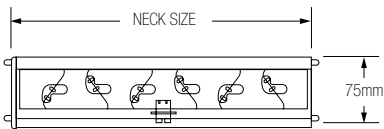


Neck Size W x H (mm)	Order Code
150 x 150	DCT2015
157 x 157	DCT1970
300 x 300	DCT2017
300 x 150	DCT4138
360 x 360	DCT2018
450 x 450	DCT2019
500 x 200	DCT4136
600 x 300	DCT4134

Grilles, Diffusers
and Ducting

- Manufactured in high quality aluminium extrusion profiles
- Designed with nylon bearings for efficient, smooth operation
- Clips onto one piece 4-way aluminium diffusers
- Powder coated black
- Opposed blade damper design to ensure regulation of airflow
- Screw type opening mechanism
- Special sizes are subject to availability

Technical



Duct Fittings

T-Branch Damper

Grilles, Diffusers
and Ducting



Duct (mm)	Order Code
150	DCT1495
200	DCT1500

- Standard 240V Drive Open, Drive Close (D.O.D.C) motor attached
- Manufactured from ABS plastic
- Single damper motor and paddle control to direct airflow into or from selected branch
- Designed for both dual supply air and extract air applications
- Smooth aesthetic lines

Motorised Barrel Damper



Duct (mm)	Order Code
150	DCT1168
200	DCT1123
250	DCT1124
300	DCT1125
350	DCT1126
400	DCT1127

- Standard 240V Drive Open, Drive Close (D.O.D.C) motor attached
- Other voltages available upon request
- Manufactured from HDPE
- Braced for strength with 2 x 6mm steel rod rings
- 100% positive shut off and positive lock duct tabs
- Insulation meets AS1530 Part 3

Manual Barrel Damper



Duct (mm)	Order Code
150	DCT0787
200	DCT0706
250	DCT0788
300	DCT2706

- Manufactured from HDPE
- Complete with hand quadrant
- Braced for strength with 2 x 6mm steel rod rings
- Positive lock duct tabs
- Insulation meets AS1530 Part 3

Note: Nude combination fittings will be supplied in component form. We do NOT assemble.

Please enquire about any options not listed above that you may wish to order.



Cushion Boxes

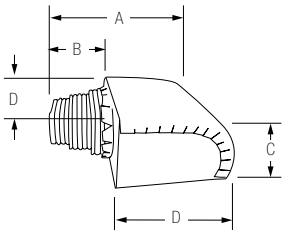
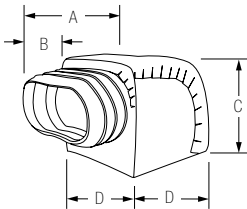


Model	Size (mm)	Order Code
Nude	225 x 225 : Ø 150	DCT0993
	225 x 225 : Ø 200	DCT0992
	300 x 300 : Ø 250	DCT0971
	300 x 300 : Ø 300	DCT0994
Nude Stepped	450/435 x 450/435 : Ø 300/Ø 250/Ø 200 *	DCT1356
Insulated	225 x 225 : Ø 150	DCT1004
	225 x 225 : Ø 200	DCT1003
	300 x 300 : Ø 200	DCT1006
	300 x 300 : Ø 250	DCT0972
	375 x 375 : Ø 300	DCT0996
	550 x 375 : Ø 350	DCT2986
Insulated Stepped	450/435 x 450/435 : Ø 300/Ø 250/Ø 200 *	DCT1417

* Cut to suit size required.

Dimensions (mm)

Model	Size	A	B	C	D	Spigot Size
Nude and Insulated	225 x 225 : Ø 150	310	90	196	226	115 x 180
	225 x 225 : Ø 200	310	90	196	226	115 x 226
	300 x 300 : Ø 200	395	90	200	304	110 x 226
	300 x 300 : Ø 250	395	90	200	304	110 x 330
Nude and Insulated Stepped	450/435 x 450/435 : Ø 200	540	90	250	450	125 x 235
	450/435 x 450/435 : Ø 250	540	90	250	450	145 x 300
	450/435 x 450/435 : Ø 300	540	90	250	450	190 x 350



Duct Fittings

Neck Adaptors

Grilles, Diffusers
and Ducting

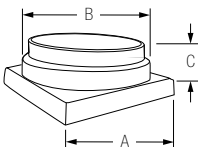
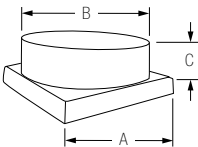


Description	Size (mm)	Spigot Size (Ø mm)	Order Code
Neck Adaptor - No Damper	225 x 225	150	DCT0681
		200	DCT0545
	300 x 300	250	DCT0497
		300	DCT0509
	375 x 375	250	DCT0547
		300	DCT0549
		350	DCT0553
		400	DCT0555
Neck Adaptor - With Damper	225 x 225	150	DCT0683
		200	DCT0741
	300 x 300	300	DCT0499
		375 x 375	250
	300		DCT0559
	350	DCT0661	
Neck Adaptor - With Stepped Spigot - No Damper	450 x 450	300/350	DCT1406
		400/450	DCT1407
	550 x 550	300/350	DCT1408
		400/450	DCT1409
		500/550	DCT1410
		Spigot Converter	
250 to 200	DCT0965		

- Poly Adaptor "snaps on" to plastic diffusers, no tools or fixing required
- Manufactured from high impact polystyrene, positive lock duct tabs
- Poly neck adaptors to suit UniVents, CD2000 and some aluminium diffusers

Dimensions (mm)

Model	Size	A	B	C
		Neck Size	Spigot Diameter	Spigot Length
Neck Adaptor	225 x 225 : Ø 150	214	Ø 146	70
	225 x 225 : Ø 200	214	Ø 198	70
	300 x 300 : Ø 250	287	Ø 248	70
	300 x 300 : Ø 300	287	Ø 298	70
	375 x 375 : Ø 250	360	Ø 248	70
	375 x 375 : Ø 300	360	Ø 298	70
	375 x 375 : Ø 350	360	Ø 348	70
	375 x 375 : Ø 400	360	Ø 398	70
Neck Adaptor Stepped Spigot	450 x 450 : Ø 300/350	448	Ø 295/Ø 345	60/60
	450 x 450 : Ø 400/450	448	Ø 395/Ø 445	60/60
	550 x 550 : Ø 300/350	550	Ø 295/Ø 345	60/60
	550 x 550 : Ø 400/450	550	Ø 395/Ø 445	60/60
	550 x 550 : Ø 500/550	550	Ø 495/Ø 545	60/60



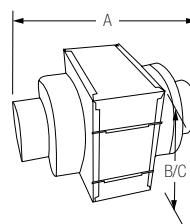
Inline Filters



Filter	Duct (mm)	Housing	Order Code
F7	150	Metal	DCT4612
	200	Metal	DCT4558
G4	150	Metal	DCT2073
	200	Metal	DCT0009
HEPA/Carbon	150	Metal	DCT2281
	200	Metal	DCT2282
F7/Carbon	150	Metal	DCT2279
	200	Metal	DCT2280

Dimensions (mm)

Model	A	B	C
F7 Inline Filter	430	300	300



Replacement Inline Filter Cartridges

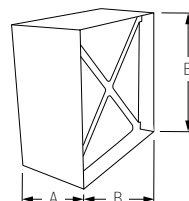


Filter	Cartridge Size (mm)	Order Code
F7	300 x 300	DCT2093
G4	225 x 225	DCT2221
	300 x 300	DCT2222
HEPA/Carbon	300 x 300	DCT2278
F7/Carbon	300 x 300	DCT2277

High grade F7 filters capture up to 90% of 0.4 micron particles.

Dimensions (mm)

Model	A	B
F7 Inline Filter Cartridge	150	300



Sock Filter - G4



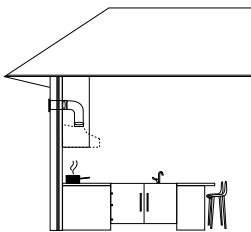
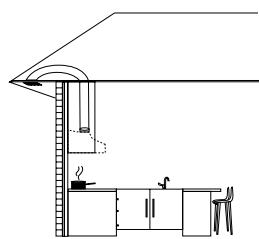
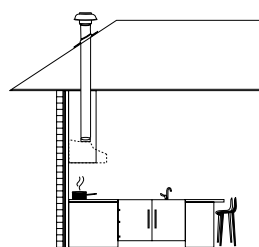
Description	Duct (mm)	Order Code
Sock Filter	150	DCT1411
Sock Filter Frame	150	DCT1412

G4 grade sock filters capture up to 90% of particles larger than 5 microns.



Ducting Kits

Rangehood Ducting Kits

Through Wall	Duct (mm)	Description	Grille	Order Code
 	125	Rear Vent	Gravity Grille	DCT1162
	150	Top and Rear Vent	Weatherproof Cowl	DCT2592
Through Soffit	Duct (mm)	Description	Grille	Order Code
 	150	Flexible Duct	Fixed Grille	DCT1161
		Galvanised Tube	Fixed Grille	DCT1259
		Semi Rigid	Eggcrate Grille	DCT2323
Through Roof	Duct (mm)	Description	Order Code	
  	150	Iron Roof	DCT2324	
		Tiled Roof	DCT2325	
Round Rangehood Adaptor	Description			Order Code
	Rectangular 330 x 150 to 125 round rangehood adaptor			DCT1360

- Semi-rigid ducting is used in our systems to reduce the rangehood system noise and increase air flow performance
- Fully complies with AS/NZS 60335.2.80
- For added weather protection use the weatherproof cowl as included in DCT2592
- All through soffit systems include 3 metres of aluminium duct and the galvanised tube system also includes 900mm of solid tube



Through-Wall Ducting Kit



Type	Duct (mm)	Description	Order Code
Through Wall	150	Chateau Through Wall Rigid Kit - White	DCT1543
		Chateau Through Wall Rigid Kit - Black	DCT1544
	125	Chateau Through Wall Rigid Kit - White	DCT1541
		Chateau Through Wall Rigid Kit - Black	DCT1542
	150	Chateau Through Wall Semi-Rigid Kit - White	DCT0310
		Chateau Through Wall Semi-Rigid Kit - Black	DCT0311
	125	Chateau Through Wall Semi-Rigid Kit - White	DCT0308
		Chateau Through Wall Semi-Rigid Kit - Black	DCT0309

- 375mm Rigid PVC ducting - easily cut to length via hacksaw
- Chateau Cowl includes integrated monofilm backdraught shutter
- More effective than traditional ducting at maintaining watertightness in homes with a ventilation cavity

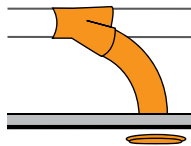
Dryer Ducting Kit



Type	Duct (mm)	Description	Order Code
Through Wall	100	Rear Vent	DCT1263

- This ducting kit is designed for inverted and wall mounted dryers
- Freestanding dryers on the floor will require extra rectangular ducting and connector (Order Code: DCT0013 & DCT0014)
- This ducting kits suits dryers with a 100mm outlet. The square to round elbow will fit snugly onto most 100mm dryer outlets.
- 3m flexible aluminium Aluduct (-30°C to 150°C)
- 0.75m flat channel duct
- 2 x rectangular to round 90° elbow bends
- 100mm white eggcrate grille
- All fixings and fittings included

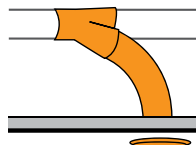
HeatTrans Extension Kit



Type	Duct (mm)	Description	Order Code
Extension Kit	150	HeatTrans	DCT2101

- Designed to extend your heat transfer systems to additional rooms
- 1 x Y-branch
- 1 x 3 metres - 150mm acoustic insulated ducting
- 1 x adjustable round diffuser
- All fixing and fittings included

SmartVent Extension Kit



Type	Duct (mm)	Description	Order Code
Extension Kit	150	SummerVent	DCT2276

- Designed to extend your home ventilation systems to additional rooms
- 1 x Y-branch
- 1 x 3 metres - 150mm acoustic insulated ducting
- 1 x adjustable round diffuser
- All fixing and fittings included



Ducting Kits

Inline Heat-Fan-Light System Ducting Kits

Grilles, Diffusers
and Ducting



Type	Duct (mm)	Description	Order Code
220mm Outlet Fan	150	Through Soffit	DCT0167
		Through Roof	DCT0170
	200	Through Soffit	DCT0168
	250	Through Soffit	DCT0169
250mm Outlet Fan	150	Through Roof	DCT0444
	200	Through Soffit	DCT0445
	250	Through Soffit	DCT0072

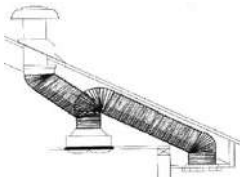
Through Soffit Kits include:

- Adaptor to fit to the rear of the fan, 3 metres of flexible ducting and an exterior louvre grille

Through Roof Kits include:

- Adaptor to fit to the rear of the fan, 1.5 metres of flexible ducting, 0.5 metres of 150mm high density polyethylene (HDPE) tubing, a tube fastening bracket, an aluminium cowl and roof flashing plus approved fastenings

Suitable for a range of fans



Open Back Fan Ducting Kits

300mm Cowl	Duct (mm)	Description	Order Code
	150	Through Roof	DCT0202
	250	Through Soffit	DCT0200
340mm Cowl	Duct (mm)	Description	Order Code
	150	Through Roof	DCT0205
		Through Soffit	DCT0204
	250	Through Soffit	DCT0203

300mm and 340mm kits are suitable for a range of fans

Through Soffit Kits include

- Adaptor to fit to the rear of the fan, 3 metres of flexible ducting and an exterior louvre grille

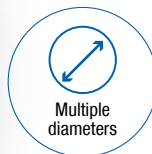
Through Roof Kits include

- Adaptor to fit to the rear of the fan, 1.5 metres of flexible ducting, 0.5 metres of 150mm high density polyethylene (HDPE) tubing, a tube fastening bracket, an aluminium cowl and roof flashing, plus approved fastenings.



Vent-Axia® Uniflex^{plus} +

A semi-rigid air distribution system,
designed for quick and easy
installation.



**Vent-Axia UniflexPlus is an indent range,
please contact us with your project details today!**

Contact SmartVent design team to get a ventilation design
design@smartvent.co.nz



AIR DISTRIBUTION SYSTEM

UniflexPlus is a patented air distribution system for ventilation which can be used in homes, apartments and small buildings. Suitable for both air supply and exhaust.

It is available in two diameters (69mm and 90mm) and with three spigots sizes (Ø125mm, Ø160mm and Ø180mm) so that it is a flexible solution for every situation.



RV Adjustable Valve



- One valve for air supply and extraction: suitable for up to 75m³/h.
- Easy to adjust: 26 lockable positions for setting the air volume.
- Excellent performance: the lowest noise and pressure drop values.
- Same appearance for each volume of air: external dimension stay the same irrespective of the selected setting.
- Low turbulence airflows: prevents accumulation of dirt around the valve.



Distribution Boxes – Side Connection

9 x Ø69mm	Description	Order Code
	Small distribution box 9 x Ø69mm side connection + 220 x 80mm	VKS699228X80
	Small distribution box 9 x Ø69mm side connection + HØ125mm	VKS699H125
	Small distribution box 9 x Ø69mm side connection + VØ125mm	VKS699V125
15 x Ø69mm	Description	Order Code
	Large distribution box 15 x Ø69mm side connection + 220 x 80mm	VK6915220X80
	Large distribution box 15 x Ø69mm side connection + HØ125mm	VK6915H125
	Large distribution box 15 x Ø69mm side connection + VØ125mm	VK6915V125
3 x Ø90mm	Description	Order Code
	Small distribution box 3 x Ø90mm side connection + 220 x 80mm	VKS903220X80
	Small distribution box 3 x Ø90mm side connection + HØ125mm	VKS903H125
	Small distribution box 3 x Ø90mm side connection + VØ125mm	VKS903V125



Distribution Boxes – Side Connection

5 x Ø90mm	Description	Order Code
	Large distribution box 5 x Ø90mm side connection + 220 x 80mm	VK905220X80
	Large distribution box 5 x Ø90mm side connection + HØ125mm	VK905H125
	Large distribution box 5 x Ø90mm side connection + VØ125mm	VK905V125
6 x Ø90mm	Description	Order Code
	Small distribution box 6 x Ø90mm side connection + 220 x 80mm	VKS90622X80
	Small distribution box 6 x Ø90mm side connection + HØ125mm	VKS906H125
	Small distribution box 6 x Ø90mm side connection + VØ125mm	VKS906V125
10 x Ø90mm	Description	Order Code
	Large distribution box 10 x Ø90mm side connection + 220 x 80mm	VK9010220X80
	Large distribution box 10 x Ø90mm side connection + HØ125mm	VK9010H125
	Large distribution box 10 x Ø90mm side connection + VØ125mm	VK9010V125



Distribution Boxes – Side Connection with Spigot

12 x Ø69mm	Description	Order Code
	Small distribution box 12 x Ø69mm side connection with spigot Ø125mm	VTVGSG6912V125
	Small distribution box 12 x Ø69mm side connection with spigot Ø160mm	VTVGSG6912V160
	Small distribution box 12 x Ø69mm side connection with spigot Ø180mm	VTVGSG6912V180
18 x Ø69mm	Description	Order Code
	Large distribution box 18 x Ø69mm side connection with spigot Ø160mm	VTVGSG6918V160
	Large distribution box 18 x Ø69mm side connection with spigot Ø180mm	VTVGSG6918V180
4 x Ø90mm	Description	Order Code
	Small distribution box 4 x Ø90mm side connection with spigot Ø125mm	VTVGSG904V125
	Small distribution box 4 x Ø90mm side connection with spigot Ø160mm	VTVGSG904V160
	Small distribution box 4 x Ø90mm side connection with spigot Ø180mm	VTVGSG904V180

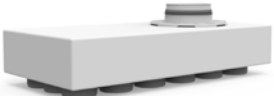


Distribution Boxes – Side Connection with Spigot

Grilles, Diffusers and Ducting	6 x Ø90mm	Description	Order Code
		Large distribution box 6 x Ø90mm side connection with spigot Ø125mm	VTVG906V125
		Large distribution box 6 x Ø90mm side connection with spigot Ø160mm	VTVG906V160
		Large distribution box 6 x Ø90mm side connection with spigot Ø180mm	VTVG906V180
	8 x Ø90mm	Description	Order Code
		Small distribution box 8 x Ø90mm side connection with spigot Ø125mm	VTVGS908V125
		Small distribution box 8 x Ø90mm side connection with spigot Ø160mm	VTVGS908V160
		Small distribution box 8 x Ø90mm side connection with spigot Ø180mm	VTVGS908V180
	12 x Ø90mm	Description	Order Code
		Large distribution box 12 x Ø90mm side connection with spigot Ø125mm	VTVG9012V125
		Large distribution box 12 x Ø90mm side connection with spigot Ø160mm	VTVG9012V160
		Large distribution box 12 x Ø90mm side connection with spigot Ø180mm	VTVG9012V180
Accessories		Description	Order Code
		Spigot for VTVG(s) 125mm Uniflexplus+ Grey PPh	VA125TVG
		Spigot for VTVG(s) 160mm Uniflexplus+ Grey PPh	VA160TVG
		Spigot for VTVG(s) 180mm Uniflexplus+ Grey PPh	VA180TVG
		180mm Blindcover Uniflexplus+ Grey PPh	VBDTGV180



Distribution Boxes – Bottom Connection with Spigot

Duct	Description	Order Code
 18 x Ø69mm	Distribution box 18 x Ø69mm bottom connection with spigot Ø160mm	VHVB06918160
	Distribution box 18 x Ø69mm bottom connection with spigot Ø180mm	VHVB06918180
 4 x Ø90mm	Distribution box 4 x Ø90mm bottom connection with spigot Ø160mm	VHVB0904160
 8 x Ø90mm	Distribution box 8 x Ø90mm bottom connection with spigot Ø125mm	VHVB0908125
	Distribution box 8 x Ø90mm bottom connection with spigot Ø160mm	VHVB0908160
	Distribution box 8 x Ø90mm bottom connection with spigot Ø180mm	VHVB0908180

Distribution Boxes with Silencer

Ø160mm	Description	Order Code
	Small distribution box with silencer 12 x 69mm	VUNFDS6912160
	Large distribution box with silencer 18 x 69mm	VUNFDD6918160
Ø180mm	Description	Order Code
	Small distribution box with silencer 12 x 69mm	VUNFDS6912180
	Large distribution box with silencer 18 x 69mm	VUNFDD6918180



Insulated Wall Collectors – Back Connection

3 x Ø69mm	Description	Order Code
	Insulated wall collector back connection 3 x Ø69mm - 200 x 100mm excl. grille	VGMCAG693200X100
	Insulated wall collector back connection 3 x Ø69mm - 300 x 150mm excl. grille	VGMCAG693300X150
1 x Ø90mm	Description	Order Code
	Insulated wall collector back connection 1 x Ø90mm - 200 x 100mm excl. grille	VGMCAG901200X100
	Insulated wall collector back connection 1 x Ø90mm - 300 x 150mm excl. grille	VGMCAG901300X150
2 x Ø90mm	Description	Order Code
	Insulated wall collector back connection 2 x Ø90mm - 200 x 100mm excl. grille	VGMCAG902200X100
	Insulated wall collector back connection 2 x Ø90mm - 300 x 150mm excl. grille	VGMCAG902300X150

Insulated Wall Collectors – Top Connection

3 x Ø69mm	Description	Order Code
	Insulated wall collector top connection 3 x Ø69mm - 200 x 100mm excl. grille	VGMCBG693200X100
	Insulated wall collector top connection 3 x Ø69mm - 300 x 150mm excl. grille	VGMCBG693300X150
1 x Ø90mm	Description	Order Code
	Insulated wall collector top connection 1 x Ø90mm - 200 x 100mm excl. grille	VGMCBG901200X100
	Insulated wall collector top connection 1 x Ø90mm - 300 x 150mm excl. grille	VGMCBG901300X150
2 x Ø90mm	Description	Order Code
	Insulated wall collector top connection 2 x Ø90mm - 200 x 100mm excl. grille	VGMCBG902200X100
	Insulated wall collector top connection 2 x Ø90mm - 300 x 150mm excl. grille	VGMCBG902300X150



Wall Collectors - Back Connection (Excl. Grille)

Model	3 x Ø69mm	1 x Ø90mm	2 x Ø90mm
			
Order Code	VMCA693	VMCA901	VMCA902

Wall Collectors - Top Connection (Excl. Grille)

Model	3 x Ø69mm	1 x Ø90mm	2 x Ø90mm
			
Order Code	VMCB693	VMCB901	VMCB902

Ceiling - Wall Collectors (Excl. Grille)

Model	3 x Ø69mm	1 x Ø90mm	2 x Ø90mm
			
Order Code	VPCB693	VPCB901	VPCB902



Valve Collectors

Grilles, Diffusers
and Ducting

3 x Ø69mm	Description	Order Code
	Valve collector 3 x Ø69mm, Ø125mm H=70mm, 90°	WC70CH693125
	Valve collector 3 x Ø69mm, Ø125mm H=250mm, 90° with sleeve	WCH250693125
	Valve collector 3 x Ø69mm, Ø125 H=250mm, 90° with sleeve (long)	WCHL250693125
1 x Ø90mm	Description	Order Code
	Valve collector 1 x Ø90mm, Ø125mm H=70mm, 90°	WC70CH901125
	Valve collector 1 x Ø90mm, Ø125mm H=250mm, 90° with sleeve	WCH250901125
	Valve collector 1 x Ø90mm, Ø125mm H=250mm, 90° with sleeve (long)	WCHL250901125
2 x Ø90mm	Description	Order Code
	Valve collector 2 x Ø90mm, Ø125mm H=70mm, 90°	WC70CH902125
	Valve collector 2 x Ø90mm, Ø125mm H=250mm, 90° with sleeve	WCH250902125
	Valve collector 2 x Ø90mm, Ø125mm H=250mm, 90° with sleeve (long)	WCHL250902125

Accessories			
	Mounting material for Valve Collector to be mounted on the ceiling		Connection sleeve Ø125mm, H=250mm
	VABVC		WH250125



Wall / Valve Collectors

Model	3 x Ø69mm	1 x Ø90mm	2 x Ø90mm
			
Order Code	VWC693	VWC901	VWC902

Floor Collectors (Excl. Grille)

Model	3 x Ø69mm	1 x Ø90mm	2 x Ø90mm
			
Order Code	VBC693	VBC901	VBC902

Flexible Ducts

Model	Ø69-54mm, L=50m	Ø90-78mm, L=50m	Bend 90° for flexible duct Ø90mm (Incl.2 gaskets)	Insulation for Ø90, L=13 x 2m
				
Order Code	VFS69	VFS90	VKB90-90	VIS090

Coupler + Rubber Gasket

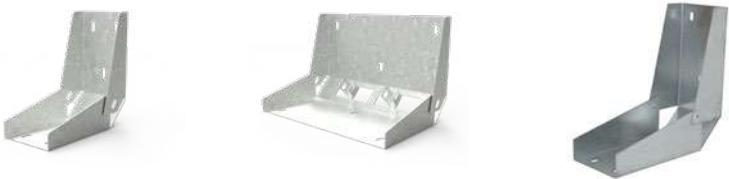
Model	Ø69mm	Ø90mm with 2 Rubber Gaskets
		
Order Code	VKS69	VKS90



Reduction Pieces

Model	Ø125mm, 3 x Ø69mm	Ø125mm, 1 x Ø90mm	Ø125mm, 2 x Ø90mm	3 x Ø69 to 220 x 80mm
				
Order Code	VOS125693	VOS125901	VOS125902	VADP22080693

Duct Guides

Model	90° - 1x duct Ø69mm	90° - 3x duct Ø69mm	90° - 1x duct Ø90mm
			
Order Code	VSG169	VSG369	VSG190

Adjustable Grilles with Slit

Size	300 x 100mm			
	Brushed	Polished	White	White Round Holes
				
Order Code	VRVBS300X100	VRVPS300X100	VRVWS300X100	VRVWR300X100

Grilles

Size	200 x 100mm			300 x 150mm	559 x 57mm
	Adjustable Deflectors	Perforated	Fixed Deflectors	Perforated	PCB
					
Order Code	VANOA200X100	VANOG200X100	VANOL200X100	VANOG300X150	VTVR559X57



Adjustable Valves

Model	Ø125mm			Large Ø125mm	Square, Ø125mm
					
Order Code	RV125	RV125Z (Black)	RV1257 (7pcs)	RVG125	RW125
Accessories				Order Code	
				Collar for adjustable valve	RVK
				Blocker for adjustable valve	RVB

Adaptors

Model	Ø125mm, straight	Ø125mm, 90°
		
Order Code	VADP125H	VADP125V

Duct Knives

Model	Ø69mm	Ø90mm
		
Order Code	VAKM69	VAKM90

Mounting Brackets

Model	Ø69mm	Ø90mm
		
Order Code	VBB69123	VBB901





SmartVent

Home Ventilation System



**POSITIVE PRESSURE SYSTEMS
HEAT & ENERGY RECOVERY SYSTEMS**

HOME VENTILATION SYSTEMS

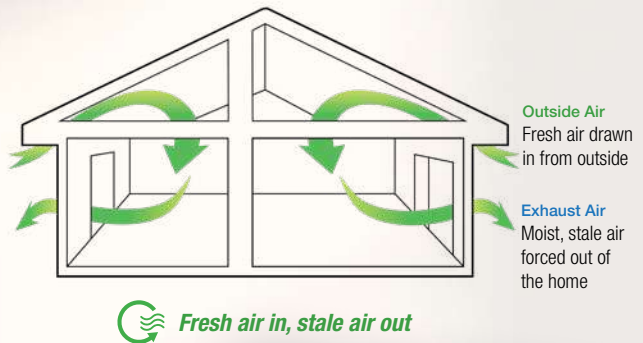
smartvent.co.nz

SmartVent is a Simx owned brand.

POSITIVE PRESSURE SYSTEMS

Positive Pressure Systems are ideal for managing moisture and humidity within your home. These systems draw in fresh air from the roof cavity or outside and filter it before distributing the clean air around your home via the ducting network and ceiling diffusers. The air movement forces the moist, stale air that causes condensation, mould and mildew out.

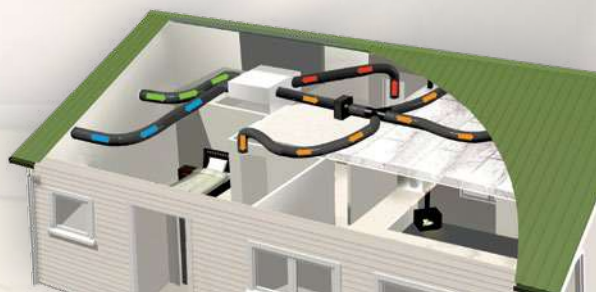
In winter especially, good air circulation and home heating are essential for maintaining indoor air quality. A home ventilation system from SmartVent will take care of air circulation; helping reduce the excess damp, moisture-filled air and improve the overall air quality inside your home, making it much healthier for you and your family. It is a good investment for the well-being of your family and the overall health of your home.



HEAT & ENERGY RECOVERY SYSTEMS

A Heat Recovery System is designed to bring fresh air into your home at a comfortable temperature. These systems recover heat or cooling energy from extracted room air as the heat recovery core transfers the heat from the outgoing air to the incoming air, assisting with maintaining a warm or cool home.

In winter, it is much more important that ventilation systems not only perform their basic function of managing moist, stale air, but do so in a way that complements the costly efforts made to warm your home. System performance is best measured by the efficiency of the core. SmartVent has a wide range of Heat & Energy Recovery Systems, from highly efficient centralised systems using concealed ducting, to decentralised through wall systems for either single rooms or an entire building.





Do you want to become an Accredited Installer?

1 *Grow*

Ask about opportunities for your business

2 *Learn*

Attend our ventilation training sessions

3 *Be Rewarded*

Register your installs to earn rewards

Grow

Talk to your local Simx Reps about how you can invest in a transformational market segment:

- We're building tighter, more well insulated homes that perform better but they don't have enough ventilation – be part of the change.
- Plus, make the most of what you do by pairing ventilation with other solutions, including air conditioning and heat pumps.

Learn

To become an installer, you'll need to complete the following training:

Installation (In-person) | Ventilation 101 (Online) | Product (Online)

Be Rewarded



Exclusive Rewards Programme

Register your installs to qualify for rewards



Finance

Close more SmartVent deals by using our Q Card finance offers



Promotions

Get access to exclusive Accredited Installer promotions



Leads

Take advantage of our national marketing to get ventilation system leads*

*Leads may vary. Subject to accreditation terms and conditions



Learn how you can grow your business and unlock benefits.
smartvent.co.nz/become-accredited

P 09 259 1660 | E sales@simx.co.nz

Check out our FREE
Ventilation Design Service
on page 206
design@smartvent.co.nz



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ACCESSORIES



Positive Pressure Systems

Home Ventilation
Systems

SmartVent
lite+



Investment Protection

Cost-effective solution including an integral humidity guard against moisture, mould & mildew

SmartVent
positive3



Control Condensation

Integral humidity guard against moisture, mould & mildew with multiple comfort add-on options

SmartVent
positive advance



Control Your Climate

Comprehensive humidity control for protection against moisture, mould & mildew with multiple comfort add-on options

Systems	Lite+	Positive3	Positive Advance
Core Type			
Supply Rooms (Fresh air in)	1 - 12	2 - 12	2 - 12
Extract Rooms (Stale air out)			
Moisture Control	Dry Rooms	Dry Rooms	Dry Rooms
Quicker Payback (Heat/Energy Recovery)			
Cheaper to Run (EC Fan)		✓	✓
Heat Retention (Insulated Ducting)		✓	✓
Quieter (Acoustic Insulated Ducting)		✓	✓
Comfort Add-ons		Optional	Optional
Free-cooling (Flexi Air Source)		Optional	Optional
Heat Transfer		Optional	Optional
Air Tempering		Optional (Tempering Heater)	Optional (Tempering Heater)
Core Bypass			
Controls & Sensors	3.5" Monochrome Touchscreen	3.5" Monochrome Touchscreen	6.8" Colour Touchscreen
App Control (SmartLife)		✓	✓
Controller Ease of Use	Basic	Basic	Enhanced
Humidity & Temperature Sensing	✓ x2	✓ x2 wireless	✓ x4 wireless
Rental Lock	✓	✓	
Scheduling	Daily	Daily	Weekly



Heat & Energy Recovery Systems

SmartVent tempra



Ventilate Your Room
Single room heat recovery

SmartVent fresh



**Flexible Ventilation
for every space**
Decentralised Heat Recovery
Ventilation System

SmartVent synergy3



Control Indoor Climate
Reduce moisture, mould
& mildew with multiple
comfort add-on options

SmartVent balance



Combat Condensation
Reduce moisture, mould
& mildew while maximising
energy efficiency

Econiq From Vent-Axia



All-in-one Solution
Reliable, highly efficient, quiet
and easy to operate ducted
ventilation system

Home Ventilation
Systems

Tempra	Fresh	Synergy3	Balance	Econiq
Counterflow Heat Recovery	Ceramic Heat Recovery	Crossflow Energy Recovery	Counterflow Heat Recovery	Counterflow Heat Recovery
Modular	Modular	3 - 6	3 - 6+	3 - 8+
Simultaneous	Push-Pull	1 - 2	1 - 3+	1 - 4+
Wet & Dry Rooms	Dry Rooms	Dry Rooms	Wet & Dry Rooms	Wet & Dry Rooms
✓ (Up to 80%)	✓ (Up to 82%)	✓ (Up to 75%)	✓ (Up to 90%)	👑 ✓ (Up to 93%)
	✓		✓	✓
	✓	✓	✓	✓
	👑 ✓ <12dBA on low	✓	✓	✓
	Built-in	Optional	Built-in	Built-in
	Supply Mode		✓	✓
		Optional	Via Heat Recovery	Via Heat Recovery
✓	✓	✓	✓	✓
	✓		✓	✓
3-speed	Optional	6.8" Colour Touchscreen	Wall Controller	Wall Controller
	✓	✓	Not Required	✓
Basic	Advanced	Enhanced	Intermediate	Advanced
	✓ (+Expandable)	✓ x4 Wireless	✓ (Built-in)	✓ (+Expandable)
			✓	✓
	Weekly	Weekly	Daily	Weekly



SmartVent System Selector

1

**SELECT
VENTILATION
STYLE**

2

**CHOOSE
SYSTEM**

3

**SELECT
PATHWAY BASED
ON SIZE**

		Floor Area	Rooms	Code	Qty	A
 POSITIVE PRESSURE SYSTEMS	Lite+	<100m ²	1	FAN7270 (SV01L+)	-	
			2	FAN7271 (SV02L+)	1x	
			3			
		<280m ²	4	FAN7272 (SV04L+)	-	
			5		1x	
			6		2x	
		<560m ²	6	FAN7273 (SV06L+)	-	
			7		1x	
			8		2x	
			9		3x	
			10		4x	
			11		5x	
			12		6x	
	Positive3	<100m ²	-	-	-	
			2	FAN1111 (SV02P3)	-	
			3		1x	
		<280m ²	4	FAN1112 (SV04P3)	-	
			5		1x	
			6		2x	
		<560m ²	6	FAN1113 (SV06P3)	-	
			7		1x	
			8		2x	
			9		3x	
			10		4x	
			11		5x	
			12		6x	
	Positive Advance	<100m ²	-	-	-	
			2	FAN7520 (SV02AD)	-	
			3		1x	
		<280m ²	4	FAN7521 (SV04AD)	-	
			5		1x	
			6		2x	
		<560m ²	6	FAN7522 (SV06AD)	-	
			7		1x	
			8		2x	
			9		3x	
			10		4x	
			11		5x	
			12		6x	



4

**INCLUDE ROOM
EXTENSIONS**

5

**DO YOU WANT
ONLY OUTSIDE
AIR?**

6

**PICK
ADD-ONS**

Add 3m Kits	Or	Add 6m Kits	Add	Flexi-air source ³⁾	Heat Transfer	Tempering Heater 1kW	Tempering Heater 2kW
-		-	Possible with existing kit componentry				Not Compatible
DCT4276							
-							
DCT4276							
-		-	Possible with existing kit componentry				Not Compatible
DCT4276							
-							
DCT4276							
-	/	DCT2667	1x DCT0319	DCT0299	FAN2027	DCT3478	-
-							
DCT2276							
-							
-	/	DCT2667	Possible with existing kit componentry	DCT2128	FAN2028	DCT3231	DCT3230
DCT2276							
-							
-							
-	/	DCT2667	Possible with existing kit componentry	DCT2135	FAN4438 (2 Branch)	DCT3231 (1 Branch) / DCT3418 (2 Branch)	DCT3230 (1 Branch) / DCT4613 (2 Branch)
DCT2276							
-							
-							
-	/	DCT2667	1x DCT0319	DCT0299	FAN2027	DCT3478	-
-							
DCT2276							
-							
-	/	DCT2667	Possible with existing kit componentry	DCT2128	FAN2028	DCT3231	DCT3230
DCT2276							
-							
-							
-	/	DCT2667	Possible with existing kit componentry	DCT2135 (2 Branch)	FAN2028 (1 Branch) / FAN4438 (2 Branch)	DCT3231 (1 Branch) / DCT3418 (2 Branch)	DCT3230 (1 Branch) / DCT4613 (2 Branch)
DCT2276							
-							
-							

SmartVent Lite+

INVESTMENT PROTECTION

Cost effective solution including an integral humidity guard against moisture, mould and mildew.

OVERVIEW

A basic continuous ventilation solution to protect your investment. Includes nude and acoustic duct, two sensors (one in the roof, one built into wall controller), and a rental lock.

BEST FOR

A set-and-forget solution for landlords to protect their investment properties from internal moisture build-up.

SMARTVENT LITE+ RANGE

What is the size of your home (m ²)?	Number of Rooms	Fans	Model	Order Code*
Up to 100m ²	1	1	SV01L+	FAN7270
	2		SV02L+	FAN7271
	3		SV02L+ with 1 Extension Kit	
Up to 280m ²	4	1	SV04L+	FAN7272
	5		SV04L+ with 1 Extension Kit	
	6		SV04L+ with 2 Extension Kits	
Up to 560m ²	6	2	SV06L+	FAN7273
	7		SV06L+ with 1 Extension Kit	
	8		SV06L+ with 2 Extension Kits	
	9		SV06L+ with 3 Extension Kits	
	10		SV06L+ with 4 Extension Kits	
	11		SV06L+ with 5 Extension Kits	
	12		SV06L+ with 6 Extension Kits	

SPECIFICATIONS

Specifications	SV01L+	SV02L+	SV04L+	SV06L+
Fan Type	AC	AC	AC	AC
Spigot Size	150mm	150mm	200mm	200mm
Fan Speeds	3	3	3	3
Max. Air Flow per Fan @ 0 Pa	152 l/s, 548m ³ /hr	152 l/s, 548m ³ /hr	282 l/s, 1014m ³ /hr	282 l/s, 1014m ³ /hr
Max. Air Flow per Fan @ 150 Pa	98 l/s, 353m ³ /hr	98 l/s, 353m ³ /hr	211 l/s, 760m ³ /hr	211 l/s, 760m ³ /hr
Max. Static Pressure per Fan	336 Pa	336 Pa	441 Pa	441 Pa
Power Supply	220–240V AC 50 Hz	220–240V AC 50 Hz	220–240V AC 50 Hz	220–240V AC 50 Hz
Input Power per Fan	57W	57W	105W	105W
Current (A) per Fan	0.26A	0.26A	0.47A	0.47A
Operating Temp	–25°C to 50°C	–25°C to 50°C	–25°C to 50°C	–25°C to 50°C
Sound Level	47 dB(A)	47 dB(A)	53 dB(A)	53 dB(A)



*Additional room kit required

Features	
Humidity Sensing	 x2
Temperature Sensing	 x2
Low Temperature Protection	
Auto or Manual Operation	 AUTO MAN
Rental Property Lock	
Boost Control	
Filter Change Alert	
Screen Brightness Control	
Scheduler	 DAILY

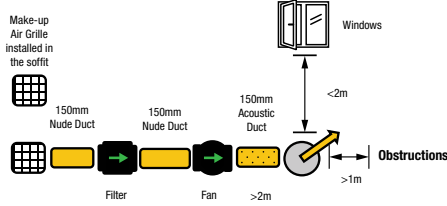
ADD-ONS

Lite+ is not compatible with our range of comfort add-ons. For added comfort and flexibility check out our other options.

Additional Room Kit - 3m	
SV01L+	DCT4276
SV02L+	DCT4276
SV04L+	DCT4276
SV06L+	DCT4276
Filter Replacement	
F7 Standard Filter	DCT2093
F7 HEPA Filter with Carbon	DCT2278
F7 Standard Filter with Carbon	DCT2277

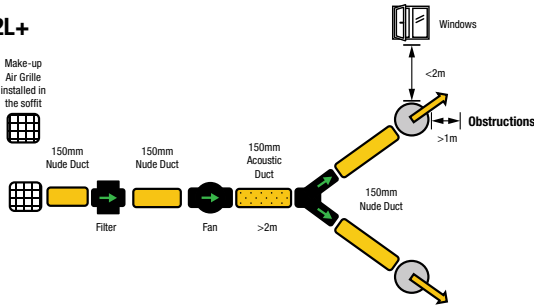


SV01L+



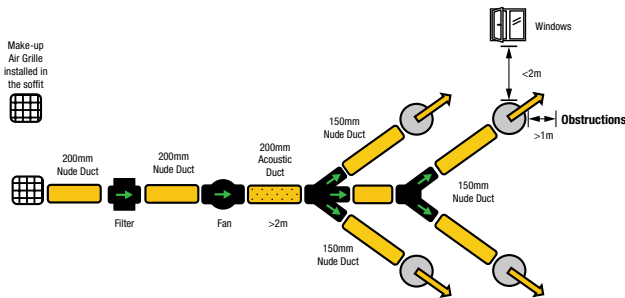
Lite+ Componentry	1 Room
150mm Supply Diffuser	1
150mm Fixed Grille	2
F7 Filter	1
3 Speed AC Fan	1x 150mm
Nude Ducting	1x 150mm x 3m
Acoustic Insulated Ducting	1x 150mm x 3m
Wired Sensor	1
Wall Controller with Cable	-

SV02L+



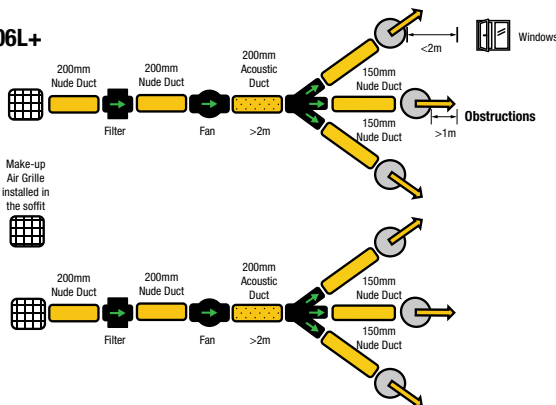
Lite+ Componentry	2 Room
150mm Supply Diffuser	2
150mm Fixed Grille	2
F7 Filter	1
3 Speed AC Fan	1x 150mm
Nude Ducting	1x 150mm x 3m 1x 150mm x 6m
Acoustic Insulated Ducting	1x 150mm x 3m
150/150/150mm Y-Branch	1
Wired Sensor	1
Wall Controller with Cable	-

SV04L+



Lite+ Componentry	4 Room
150mm Supply Diffuser	4
150mm Fixed Grille	1
200mm Fixed Grille	1
F7 Filter	1
3 Speed AC Fan	1x 200mm
Nude Ducting	3x 150mm x 6m 1x 200mm x 3m
Acoustic Insulated Ducting	1x 200mm x 3m
150/150/150mm Y-Branch	1
200/150/150/150mm Double Branch	1
150mm Duct Joiner	1
Wired Sensor	1
Wall Controller with Cable	-

SV06L+



Lite+ Componentry	6 Room
150mm Supply Diffuser	6
200mm Fixed Grille	3
F7 Filter	2
3 Speed AC Fan	2x 200mm
Nude Ducting	4x 150mm x 6m 1x 200mm x 6m
Acoustic Insulated Ducting	1x 200mm x 6m
200/150/150/150mm Double Branch	2
150mm Duct Joiner	2
Wired Sensor	1
Wall Controller with Cable	-

*Distance from obstructions such as



SmartVent Positive3

CONDENSATION CONTROL

Integral humidity guard against moisture, mould and mildew with multiple comfort add-on options.

OVERVIEW

A smart and efficient home ventilation system with insulated and acoustic ducting, wireless app control, three sensors (two wireless, one built into wall controller), rental lock, intuitive dew point control, and efficient EC fans, compatible with comfort add-ons.

BEST FOR

Most homes; providing smart ventilation, customisable options, and great value in one economical package.

SMARTVENT POSITIVE3 RANGE

What is the size of your home (m ²)?	Number of Rooms	Fans	Model	Order Code
Up to 100m ²	2	1	SV02P3	FAN1111
	3		SV02P3 with 1 Extension Kit	
Up to 280m ²	4	1	SV04P3	FAN1112
	5		SV04P3 with 1 Extension Kit	
	6		SV04P3 with 2 Extension Kits	
Up to 560m ²	6	2	SV06P3	FAN1113
	7		SV06P3 with 1 Extension Kit	
	8		SV06P3 with 2 Extension Kits	
	9		SV06P3 with 3 Extension Kits	
	10		SV06P3 with 4 Extension Kits	
	11		SV06P3 with 5 Extension Kits	
	12		SV06P3 with 6 Extension Kits	

Specifications	SV02P3	SV04P3	SV06P3
Fan Type	EC		
Spigot Size	150mm	200mm	200mm
Fan Speeds	Infinitely Variable		
Max. Air Flow per Fan @ 0 Pa	175 l/s, 630m ³ /hr	284 l/s, 1023m ³ /hr	284 l/s, 1023m ³ /hr
Max. Air Flow per Fan @150 Pa	132 l/s, 475m ³ /hr	206 l/s, 742m ³ /hr	206 l/s, 742m ³ /hr
Max. Static Pressure per Fan	568 Pa	461 Pa	461 Pa
Input Power per Fan	67W	85W	85W
Current (A) per Fan	0.29A	0.7A	0.7A
Sound Level	47 dB(A)	53 dB(A)	53 dB(A)



5
YEAR
WARRANTY

Features	
App Control	
WiFi Connect	
Humidity Sensing	x3
Temperature Sensing	x3
Low Temperature Protection	
Auto or Manual Operation	
Rental Property Lock	
Boost Control	
Filter Change Alert	
Screen Brightness Control	
Scheduler	

Filter Replacement	
F7 Standard Filter	DCT2093
F7 HEPA Filter with Carbon	DCT2278
F7 Standard Filter with Carbon	DCT2277

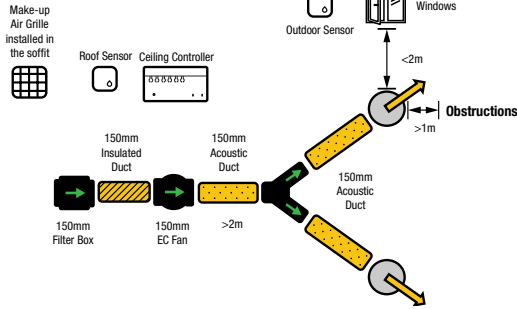
ADD-ONS

	Additional Room Kit - 3m	Additional Room Kit - 6m	Additional Room Kit - Through Wall	Additional Fan Kits	Flexi Air Source (Summer Kit)	Heat Transfer	Tempering Heater Small (1kW)*	Tempering Heater Large (2kW)*	Through Wall Grille
SV02P3	DCT2276	DCT2667	DCT2286	FAN1329	DCT0299	FAN2027	DCT3478	-	DCT2286
SV04P3	DCT2276	DCT2667	DCT2286	FAN1330	DCT2128	FAN2028	DCT3231	DCT3230	DCT2286
SV06P3	DCT2276	DCT2667	DCT2286	FAN1330	DCT2135	FAN4438	DCT3418	DCT4613	DCT2286

*Larger systems for homes above 280m² with two fans will require two tempering heaters (one for each fan)

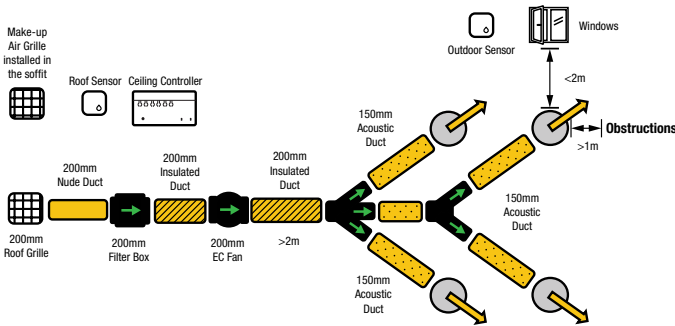


SV02P3



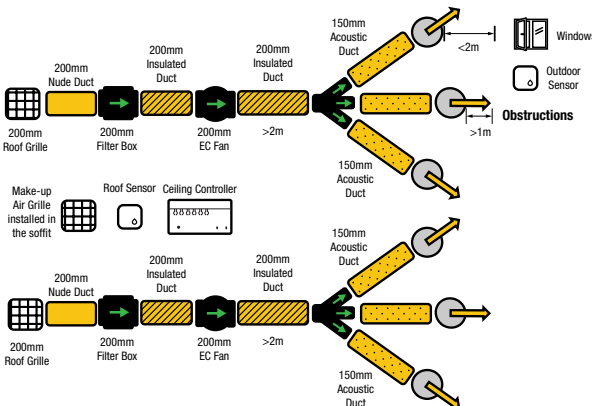
Positive3 Componentry	2 Room
150mm Supply Diffuser	2
150mm Fixed Grille	1
F7 Filter	1
10 Speed EC Fan	1x 150mm
Insulated Ducting	1x 150mm x 3m
Acoustic Insulated Ducting	1x 150mm x 6m
150/150/150mm Y-Branch	1
Wall Controller with Cable	1
Wireless Sensors	2
Wall Controller with Cable	-
Ceiling Controller	1

SV04P3



Positive3 Componentry	4 Room
150mm Supply Diffuser	4
150mm Fixed Grille	1
200mm Fixed Grille	1
F7 Filter	1
10 Speed EC Fan	1x 200mm
Nude Ducting	1x 200mm x 3m
Insulated Ducting	1x 200mm x 3m
Acoustic Insulated Ducting	3x 150mm x 6m
150/150/150mm Y-Branch	1
200/150/150/150mm Double Branch	1
150mm Duct Joiner	1
Wireless Sensors	2
Wall Controller with Cable	-
Ceiling Controller	1

SV06P3



Positive3 Componentry	6 Room
150mm Supply Diffuser	6
200mm Fixed Grille	3
F7 Filter	2
10 Speed EC Fan	2x 200mm
Nude Ducting	1x 200mm x 6m
Insulated Ducting	1x 200mm x 6m
Acoustic Insulated Ducting	4x 150mm x 6m
200/150/150/150mm Double Branch	2
150mm Duct Joiner	2
Wireless Sensors	2
Wall Controller with Cable	-
Ceiling Controller	1

*Distance from obstructions such as



SmartVent Positive Advance

CONTROL YOUR CLIMATE

Comprehensive humidity control for protection against moisture, mould and mildew with multiple comfort add-on options

OVERVIEW

A premium ventilation system with insulated and acoustic duct, wireless app control, four wireless sensors, rental lock, advanced touch screen, intuitive dew point control, efficient and economical EC fans, compatible with comfort add-ons.

BEST FOR

Larger homes that need more flexibility with indoor sensor placement and system add-ons, or situations where you want the controller placed anywhere. It's our most powerful and user-friendly positive pressure system.

SMARTVENT POSITIVE ADVANCE RANGE

What is the size of your home (m ²)?	Number of Rooms	Fans	Model	Order Code
Up to 100m ²	2	1	SV02AD	FAN7520
	3		SV02AD with 1 Extension Kit	
Up to 280m ²	4	1	SV04AD	FAN7521
	5		SV04AD with 1 Extension Kit	
	6		SV04AD with 2 Extension Kits	
Up to 560m ²	6	2	SV06AD	FAN7522
	7		SV06AD with 1 Extension Kit	
	8		SV06AD with 2 Extension Kits	
	9		SV06AD with 3 Extension Kits	
	10		SV06AD with 4 Extension Kits	
	11		SV06AD with 5 Extension Kits	
	12		SV06AD with 6 Extension Kits	

Specifications	SV02AD	SV04AD	SV06AD
Fan Type	EC	EC	EC
Spigot Size	150mm	200mm	200mm
Fan Speeds	Infinitely Variable		
Max. Air Flow per Fan @ 0 Pa	175 l/s, 630m ³ /hr	284 l/s, 1023m ³ /hr	284 l/s, 1023m ³ /hr
Max. Air Flow per Fan @ 150 Pa	132 l/s, 475m ³ /hr	206 l/s, 742m ³ /hr	206 l/s, 742m ³ /hr
Max. Static Pressure per Fan	568 Pa	461 Pa	461 Pa
Input Power per Fan	67W	85W	85W
Current (A) per Fan	0.29A	0.7A	0.7A
Operating Temp	-25°C to 50°C		
Sound Level	47 dB(A)	53 dB(A)	53 dB(A)

ADD-ONS

	Additional Room Kit - 3m	Additional Room Kit - 6m	Additional Room Kit - Through Wall	Additional Fan Kits	Flexi Air Source (Summer Kit)	Heat Transfer	Tempering Heater Small (1kW)*	Tempering Heater Large (2kW)*	Through Wall Grille
SV02AD	DCT2276	DCT2667	DCT2286	FAN5836	DCT0299	FAN2027	DCT3478	-	DCT2286
SV04AD	DCT2276	DCT2667	DCT2286	FAN5836	DCT2128	FAN2028	DCT3231	DCT3230	DCT2286
SV06AD	DCT2276	DCT2667	DCT2286	FAN5836	DCT2135	FAN4438	DCT3418	DCT4613	DCT2286

*Larger systems for homes above 280m² with two fans may require two tempering heaters (one for each fan). See selection page for more options.



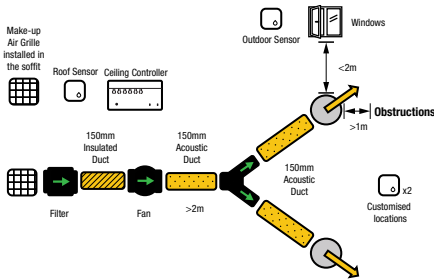
5
YEAR
WARRANTY



Features	
App Control	
WiFi Connect	
Dew Point Control	
Humidity Sensing	x4
Temperature Sensing	x4
Low Temperature Protection	
Auto or Manual Operation	AUTO MAN
Boost Control	
Filter Change Alert	
Screen Brightness Control	
Scheduler	WEEKLY
Filter Replacement	
F7 Standard Filter	DCT2093
F7 HEPA Filter with Carbon	DCT2278
F7 Standard Filter with Carbon	DCT2277

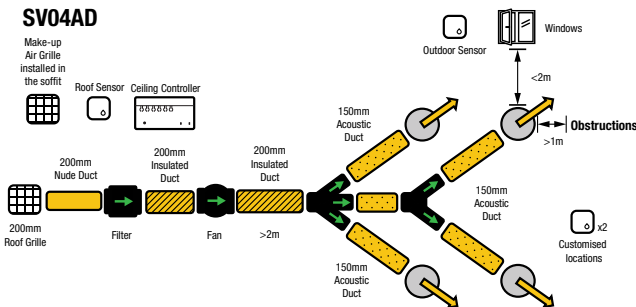


SV02AD



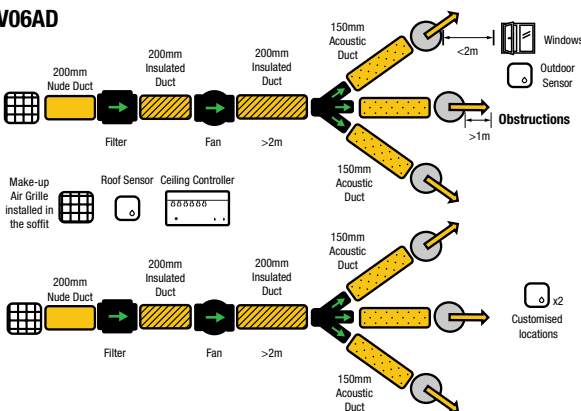
Positive Advance Componentry	2 Room
150mm Supply Diffuser	2
150mm Fixed Grille	1
F7 Filter	1
10 Speed EC Fan	1x 150mm
Insulated Ducting	1x 150mm x 3m
Acoustic Insulated Ducting	1x 150mm x 6m
150/150/150mm Y-Branch	1
Wireless Sensors	4
Wall Controller with Cable	-
Ceiling Controller	1

SV04AD



Positive Advance Componentry	4 Room
150mm Supply Diffuser	4
150mm Fixed Grille	1
200mm Fixed Grille	1
F7 Filter	1
10 Speed EC Fan	1x 200mm
Nude Ducting	1x 200mm x 3m
Insulated Ducting	1x 200mm x 3m
Acoustic Insulated Ducting	3x 150mm x 6m
150/150/150mm Y-Branch	1
200/150/150/150mm Double Branch	1
150mm Duct Joiner	1
Wireless Sensors	4
Wall Controller with Cable	-
Ceiling Controller	1

SV06AD



Positive Advance Componentry	6 Room
150mm Supply Diffuser	6
200mm Fixed Grille	3
F7 Filter	2
10 Speed EC Fan	2x 200mm
Nude Ducting	1x 200mm x 6m
Insulated Ducting	1x 200mm x 6m
Acoustic Insulated Ducting	4x 150mm x 6m
200/150/150/150mm Double Branch	2
150mm Duct Joiner	2
Wireless Sensors	4
Wall Controller with Cable	-
Ceiling Controller	1

*Distance from obstructions such as



Positive Pressure Systems Add-on Kits

Additional Room Kits

3m Duct Kits DCT4276



Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Lite +	FAN7270	FAN7271	FAN7272	FAN7273
Lite 2	FAN6803	FAN6804	FAN6805	FAN6806

DCT4276 Contents	Quantity
150/150/150 Y Branch	1
150mm x 3m Nude Ducting	1
150mm Diffuser White	1
Fixtures and Fittings	-

3m Duct Kits DCT2276



Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Positive Advance	-	FAN7520	FAN7521	FAN7522
Positive 3	FAN1110	FAN1111	FAN1112	FAN1113
Positive +	FAN7280	FAN7281	FAN7282	FAN7283
Positive 2	FAN2023	FAN0939	FAN1057	FAN1064
Positive	SV01P	SV02P	SV03P	SV04P

DCT2276 Contents	Quantity
150/150/150 Y Branch	1
150mm x 3m Acoustic Insulated Ducting R0.6	1
150mm Diffuser White	1
Fixtures and Fittings	-

6m Duct Kits DCT2667



Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Positive Advance	-	FAN7520	FAN7521	FAN7522
Positive 3	FAN1110	FAN1111	FAN1112	FAN1113
Positive +	FAN7280	FAN7281	FAN7282	FAN7283
Positive 2	FAN2023	FAN0939	FAN1057	FAN1064
Positive	SV01P	SV02P	SV03P	SV04P

DCT2667 Contents	Quantity
150/150/150 Y Branch	1
150mm Diffuser White	1
150mm x 6m Acoustic Insulated Ducting R0.6	1
Fixtures and Fittings	-

Through Wall Kits DCT2286



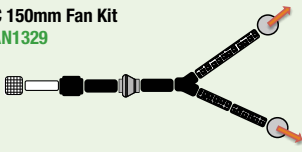
Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Positive Advance	-	FAN7520	FAN7521	FAN7522
Positive 3	FAN1110	FAN1111	FAN1112	FAN1113
Positive +	FAN7280	FAN7281	FAN7282	FAN7283
Positive 2	FAN2023	FAN0939	FAN1057	FAN1064
Positive	SV01P	SV02P	SV03P	SV04P

DCT2286 Contents	Quantity
300 x 100mm Poly Floor/Wall Register Soft White	1
150mm x 3m Acoustic Insulated Ducting R0.6	1
300mm x 100mm:150mm Polyboot	1
150/150/150 Y Branch	1
Fixtures and Fittings	-

Additional Fans

An additional fan kit allows an additional branch with fan, filter and outlet to be fitted to the system. The additional fan kits enable a single controller to operate two systems where long duct runs or between-floor configurations would otherwise require separate systems..

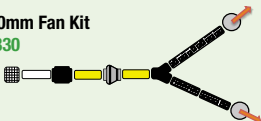
EC 150mm Fan Kit FAN1329



Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Positive Advance	-	FAN7520	FAN7521	FAN7522
Positive 3	FAN1110	FAN1111	FAN1112	FAN1113

FAN1329 Contents	Quantity
150/150/150 Y Branch	1
150mm Diffuser White	2
150mm Duct Joiner	1
150mm EC Fan	1
150mm F7 Filter Cartridge and Assembly	1
150mm Fixed Louvre Grille	2
150mm x 3m Insulated Duct R0.6	1
150mm x 3m Nude Duct	1
150mm x 6m Acoustic Duct R0.6	2

EC 200mm Fan Kit FAN1330



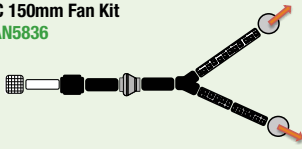
Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Positive Advance	-	FAN7520	FAN7521	FAN7522
Positive 3	FAN1110	FAN1111	FAN1112	FAN1113

FAN1330 Contents	Quantity
150mm Diffuser White	2
150mm Duct Joiner	1
150mm Fixed Louvre Grille	1
150mm x 6m Acoustic Duct R0.6	2
200/150/150 Y Branch	1
200mm EC Fan	1
200mm Filter Cartridge and Assembly	1
200mm Fixed Louvre Grille	1
200mm x 3m Insulated Duct R0.6	1
200mm x 3m Nude Duct	1



Positive Pressure Systems Comfort Upgrades

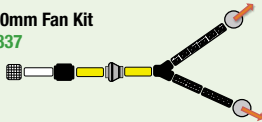
AC 150mm Fan Kit FAN5836



Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Positive +	FAN7280	FAN7281	FAN7282	FAN7283
Positive 2	FAN2023	FAN0939	FAN1057	FAN1064
Positive	SV01P	SV02P	SV03P	SV04P

FAN5836 Contents	Quantity
150mm 3-Speed Fan	1
F7 Filter Cartridge and Assembly	1
150mm x 6m Insulated Acoustic Ducting	2
150mm x 3m Nude Ducting	1
150mm x 3m Insulated Ducting	1
150mm Adjustable Diffusers	2
150mm Fixed Grille	1
150mm Fixed Grille (for make-up air)	1
150/150/150mm Y-branch Assembly	1
Metal Duct Joiner	1

AC 200mm Fan Kit FAN5837



Compatible with	1 Room	2 Rooms	4 Rooms	6 Rooms
Positive +	FAN7280	FAN7281	FAN7282	FAN7283
Positive 2	FAN2023	FAN0939	FAN1057	FAN1064
Positive	SV01P	SV02P	SV03P	SV04P

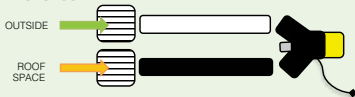
FAN5837 Contents	Quantity
200mm 3-Speed Fan	1
F7 Filter Cartridge and Assembly	1
150mm x 6m Insulated Acoustic Ducting	2
200mm x 3m Nude Ducting	1
200mm x 3m Insulated Ducting	1
150mm Adjustable Diffusers	2
200mm Fixed Grille	1
150mm Fixed Grille (for make-up air)	1
200/150/150mm Y-branch Assembly	1
Metal Duct Joiner	1

Flexi Air Source (Summer Feature)

The Flexi Air Source (Summer Feature) Comfort Add-on is an optional second air intake located under the eaves or at the gable end of the home (weatherproof cowl may be required). This add-on provides an alternative air supply for use during summer months which can contribute "free-cooling" to the home, the act of using ambient air conditions to assist with cooling (not the same as an active cooling system).

- When installed on the south side of the house it ensures the coolest possible air is used.
- If the house design prevents the installation of a Flexi Air Source (Summer Feature) Comfort Add-on, there are alternative options for a second air source such as through roof kits. SmartVent have a full range of accessories available to assist.

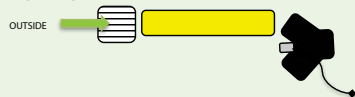
1 & 2 Room Kit DCT0299



Compatible with	1 Room	2 Rooms	DCT0299 Contents	Quantity
Positive Advance	-	FAN7520	150mm x 3m Flexible Nude Duct	1
Positive 3	FAN1110	FAN1111	150mm x 6m Flexible Insulated Duct R0.6	1
Positive +	FAN7280	FAN7281	150/150/150mm T Branch Damper Assembly	1
Positive 2	FAN2023	FAN0939	150mm Fixed Louvre Grille White	2
Positive	SV01P	SV02P	Fixtures and Fittings	-

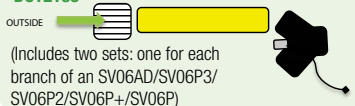
For systems pre May 2025, a replacement Filter box may be required (DCT4612).

4 Rooms Kit DCT2128



Compatible with	4 Rooms	DCT2128 Contents	Quantity
Positive Advance	FAN7521	200/200/200 T Branch Damper Assembly	1
Positive 3	FAN1112	200mm x 6m Flexible Insulated Duct R0.6	1
Positive +	FAN7282	200mm Diffuser White	1
Positive 2	FAN1057	Fixtures and Fittings	-
Positive	SV04P		

6 Rooms Kit DCT2135



(Includes two sets: one for each branch of an SV06AD/SV06P3/SV06P2/SV06P+/SV06P)

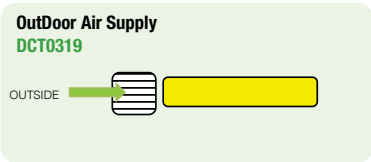
Compatible with	6 Rooms	DCT2135 Contents	Quantity
Positive Advance	FAN7522	200mm Fixed Louvre Grille White	2
Positive 3	FAN1113	200mm x 6m Flexible Insulated Duct R0.6	2
Positive +	FAN7283	200mm T Branch Damper Assembly	2
Positive 2	FAN1064	Fixtures and Fittings	-
Positive	SV06P		



Positive Pressure Systems Comfort Upgrades

Outdoor Air Supply

The outdoor supply kit is designed specifically for SV01 & SV02 systems when roof cavity air is not desirable. The kit contains a fixed grille and duct.



Compatible with	1 Room	2 Rooms	DCT0319 Contents	Quantity
Positive Advance	-	FAN7520	150mm x 3m Insulated Duct R0.6	1
Positive 3	FAN1110	FAN1111	250:150mm Reducer	1
Positive +	FAN7280	FAN7281	150mm Fixed White Grille	1
Positive 2	FAN2023	FAN0939	Fixtures and Fittings	-
Positive	SV01P	SV02P		

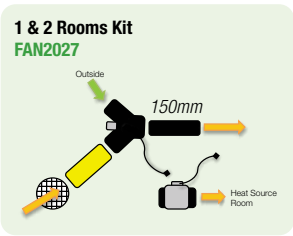
Heat Transfer

The Heat Transfer add-on has a motorised damper that switches the air source from either the outside or roof cavity to instead draw air from the room where there is a heat source (usually a lounge) and transfer it to the bedrooms. This Comfort Add-On can also provide internal air circulation when roof cavity and/or outside temperatures are too cold. When installing a Heat Transfer Comfort Add-On, an adequate heat source is required that is capable of delivering enough excess heat to warm rooms it is transferred to, while remaining effective in the source room.

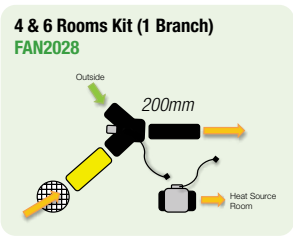
- It is important to point out that when Heat Transfer is activated, the system is not bringing in fresh air, so it's not ventilating the home. However the home is getting the benefit of transferring heat around the house (e.g. cold winter nights). It also shuts off the air supply back into the heat source room.

Note:

- Heat Transfer is recommended when there is a heat source that creates excess heat (i.e. wood fire or similar).
- A heat pump sized for the room it occupies may not be suitable for Heat Transfer.
- If planning to use a heat pump with Heat Transfer, first consult the heat pump installer/manufacture.

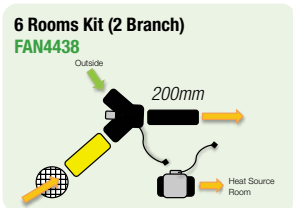


Compatible with	1 Room	2 Rooms	FAN2027 Contents	Quantity
Positive Advance	-	FAN7520	150mm x 3m Flexible Insulated Duct R0.6	1
Positive 3	FAN1110	FAN1111	200mm x 3m Flexible Insulated Duct R0.6	1
Positive +	FAN7280	FAN7281	150/150/200 T Branch Damper and Valve Assembly	1
Positive 2	FAN2023	FAN0939	200mm Diffuser White	1
Positive	SV01P	SV02P	Fixtures and Fittings	-



Compatible with	4 Rooms	FAN2028 Contents	Quantity
Positive Advance	FAN7521	200/200/200 T Branch Damper and Valve Assembly	1
Positive 3	FAN1112	200mm x 6m Flexible Insulated Duct R0.6	1
Positive +	FAN7282	200mm Diffuser White	1
Positive 2	FAN1057	Fixtures and Fittings	-
Positive	SV04P		

(Also compatible with Positive Advance 6 room kit for use on only one branch, if used in this setup, the system should be programmed for only one branch.)



Compatible with	6 Rooms	FAN4438 Contents	Quantity
Positive Advance	FAN7522	200mm x 6m Insulated Duct R0.6	2
Positive 3	FAN1113	150mm Barrel Damper	2
Positive +	FAN7283	200mm T Branch Damper	2
Positive 2	FAN1064	200mm Diffuser White	2
Positive	SV06P	Fixtures And Fittings	-

(Includes two sets: one for each branch of an SV06P/ SV06P3/SV06P2/SV06P+/SV06AD)

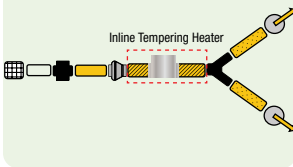


Positive Pressure Systems Comfort Upgrades

Tempering Heaters

- A Tempering Heater is a 1kW or 2kW element inline heater designed to take the chill off incoming air.
- Use when there are concerns about cold air or draughts and tempering the incoming air is desirable.
- Tempering heaters will not provide a home heating solution.
- Using a 1kW heater, the temperature of the introduced air can be raised by up to 8°C. The temperature of the home will not increase by this much.
- A SmartVent system with an inline tempering heater is not intended to be a substitute for an effective heating system in the home.

1 & 2 Rooms Kit



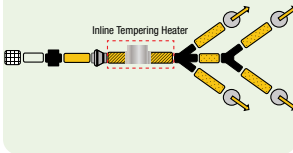
1 & 2 Rooms Kit - 1kW

DCT3478

Compatible with	1 Room	2 Rooms
Positive Advance	-	FAN7520
Positive 3	FAN1110	FAN1111
Positive +	FAN7280	FAN7281
Positive 2	FAN2023	FAN0939

DCT3478 Contents	Quantity
In-Duct Heater Kit	1

4 & 6 Rooms Kit (1 Branch)



4 & 6 Rooms Kit - 1kW

DCT3231

Compatible with	4 Room	6 Rooms
Positive Advance	FAN7521	FAN7522
Positive 3	FAN1112	FAN1113
Positive +	FAN7282	FAN7283
Positive 2	FAN1057	FAN1064

DCT3231 Contents	Quantity
In-Duct Heater Kit	1

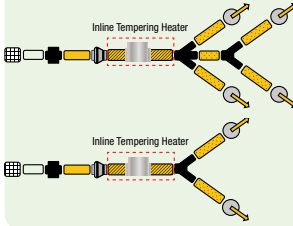
4 & 6 Rooms Kit - 2kW

DCT3230

Compatible with	4 Room	6 Rooms
Positive Advance	FAN7521	FAN7522
Positive 3	FAN1112	FAN1113
Positive +	FAN7282	FAN7283
Positive 2	FAN1057	FAN1064

DCT3230 Contents	Quantity
In-Duct Heater Kit	1

6 Rooms Kit (2 Branch)



6 Rooms Kit - 2x 1kW

DCT3418

Compatible with	6 Rooms
Positive Advance	FAN7522
Positive 3	FAN1113
Positive +	FAN7283
Positive 2	FAN1064

DCT3418 Contents	Quantity
In-Duct Heater Kit	2

6 Rooms Kit - 2x 2kW

DCT4613

Compatible with	6 Rooms
Positive Advance	FAN7522
Positive 3	FAN1113
Positive +	FAN7283
Positive 2	FAN1064

DCT4613 Contents	Quantity
In-Duct Heater Kit	2

If you have an old system, please contact SmartVent for options.

hello@smartvent.co.nz



SmartVent System Selector

1

SELECT
VENTILATION
STYLE

2

CHOOSE
SYSTEM

3

SELECT
PATHWAY BASED
ON SIZE

		Floor Area	Supply Rooms	Extract Rooms	Code	Add Supply
 MECHANICAL VENTILATION WITH HEAT RECOVERY	Synergy3 (Energy Recovery)	<150m ²	3	1	FAN7523 (SYN1015AD)	
			3	2		-
			4	1		1x DCT40
			4	2		1x DCT40
		<250m ²	3	1	FAN7524 (SYN2025AD)	
			3	2		-
			4	1		1x DCT40
			4	2		1x DCT40
		<350m ²	3	1	FAN7525 (SYN3035AD)	
			3	2		-
			4	1		1x DCT40
			4	2		1x DCT40
	Balance (Heat Recovery)	<150m ²	3	1	FAN6838 (BAL225)	
			3	2		-
			4	1		1x DCT43
			4	2		1x DCT43
		<350m ²	5	2	FAN6839 (BAL405)	
			5	3		-
			6	2		1x DCT23
			6	3		1x DCT23
	Econiq (Heat Recovery)	<400m ²	Custom		413625 (ECONIQ-S)	
		<500m ²	Custom		413626 (ECONIQ-M)	
	Fresh (Heat Recovery)	1 per bedroom, 1-2 per living room. Coverage up to 33m ² per unit.			FAN7390	
	Tempra (Heat Recovery)	1 per room. Up to 37m ² per unit.			FAN4439 (Standard) FAN5945 (Long Tube)	



4

INCLUDE ROOM
EXTENSIONS

5

DO YOU WANT
ONLY OUTSIDE
AIR?

6

PICK
ADD-ONS

ly	and	Add Extract	Add	Flexi-air source ⁹⁾	Heat Transfer	Tempering Heater	
						1kW	2kW
-			MVHR systems: use fresh outdoor air as the default air source Add Flexi-air source for multiple air source options	DCT4361	FAN6905	DCT3231	DCT3230
-		1x DCT4016					
015		-					
015	&	1x DCT4016					
-							
-		1x DCT4016					
015		-					
015	&	1x DCT4016					
-							
-		1x DCT4016					
015		-	MVHR systems: use fresh outdoor air as the default air source	DCT4361	FAN6905	DCT3231	DCT3230
015	&	1x DCT4016					
-							
-		1x DCT4016					
015		-					
015	&	1x DCT4016					
-							
-		1x DCT4362					
363		-					
363	&	1x DCT4362					
-			MVHR systems: use fresh outdoor air as the default air source	DCT4361	FAN6905	DCT3231	DCT3230
-		1x DCT2335					
334		-					
334	&	1x DCT2335					
Custom							
Custom							
Custom							
Custom							
Custom							
Custom							

SmartVent Temptra

OVERVIEW

A stand-alone, through-wall ventilation system with up to 80% heat recovery. Designed for bathrooms and living spaces. It has a small wall penetration and easy-to-use controls, making it simple to install and operate.

BEST FOR

Bathrooms, garage conversions, and shared spaces where consistent balanced airflow matters most.

SMARTVENT TEMPTRA RANGE

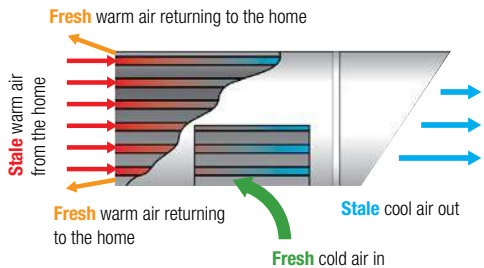
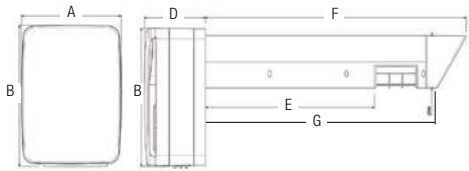
Description	Order Code
Standard Tube	FAN4439
Long Tube	FAN5945

SPECIFICATIONS

Specification	Trickle – Low	Trickle – High	Boost
Free Air Performance	6 l/s (21.6m³/hr)	9 l/s (32.4m³/hr)	15 l/s (54m³/hr)
Power	3.2W	5.7W	26.6W
Sound	27.3 dB(A)	35.9 dB(A)	48.8 dB(A)

DIMENSIONS (mm)

Model	A	B	C	D	E	F	G
FAN4439	190	266	262	117	321	496	450
FAN5945	190	266	262	117	461	636	590



5
YEAR
WARRANTY

HEAT EXCHANGER



Moist, humid air
is extracted from the home
Extracted moist/stale
air exits the home

Fresh drier air
supplied from outside

Warmed supply air
enters the home



OVERVIEW

A quiet through-wall ventilation system with up to 82% heat recovery that connects to a network of other units and offers several control options, including app control. It uses very quiet and energy-efficient fans.

BEST FOR

Custom and complex homes where space is at a premium. Perfect for bedrooms and living areas where low noise and clean design are important, while still delivering great comfort, smart control, and energy efficiency.

SMARTVENT FRESH RANGE

Order Code	Wall Depth	Rooms	Description
FAN7390	≥140	1 per bedroom 1-2 per living space (coverage 33m²)*	SmartVent Fresh - dMVHR Decentralised Mechanical Heat Recovery with App control

*Coverage area based on 0.35ACH for good air quality. It should be used in conjunction with sufficient space and surface temperatures for best performance.

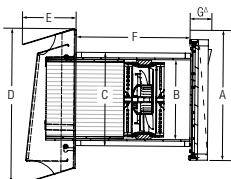
OPTIONAL AUTOMATION

Automate your system via add-ons like humidity, temperature, and CO₂ sensors.

Wireless e16 Wall Controller (requires power supply)	Indoor CO ₂ Sensor (Battery)	Outdoor Humidity & Temperature Sensor (Battery)	Indoor Humidity & Temperature Sensor (Battery)
			
FAN7391	FAN7394	FAN7392	FAN7393

SPECIFICATIONS

Specification	Trickle (25%)	Medium (40%)	High (70%)	Boost (100%)	Fresh Filter Replacement	
Efficiency	82%	72%	68%	60%	Smartvent Fresh Dust Filter	DCT0284
Extract/Heat Recovery (Pair)*	5.5 l/s (20m³/hr)	7.2 l/s (26m³/hr)	11.1 l/s (40m³/hr)	16.1 l/s (58m³/hr)	Smartvent Fresh Pollen Filter	DCT0285
Power (Pair+Controller)	2.6W	3.5W	5.3W	10.1W	Smartvent Fresh Activated Carbon Filter	DCT0286
Heat Recovery (Single)*	2.8 l/s (10m³/hr)	3.6 l/s (13m³/hr)	5.5 l/s (20m³/hr)	8 l/s (29m³/hr)		
Power (Single)	1.3W	1.75W	5.3W	10.1W		
Sound	12dB(A)	24dB(A)	30dB(A)	37dB(A)		

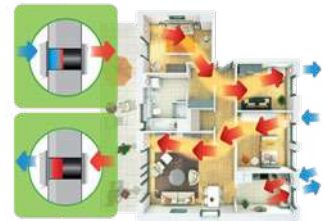


Dimensions (mm)	A	B	C	D
	270	Ø160	Ø180	276
	E	F	G	
	80	≥140	44	



Home Ventilation Systems

FLEXIBLE VENTILATION
for every space



Features

App Control	
WiFi Connect	
Humidity Sensing (Optional)	
Temperature Sensing (Optional)	
Auto or Manual Operation	
Core Efficiency (°C)	Up to 82%
Trickle Ventilation	
Boost Control	
Filter Change Alert	
Scheduler	



SmartVent Synergy3

CONTROL INDOOR CLIMATE

Reduce moisture, mould and mildew with multiple comfort add-on options

OVERVIEW

A flexible, energy-efficient solution with app control, four sensors, and an advanced touchscreen. Up to 75% energy recovery and the option to integrate heat transfer, multiple air sources and additional heaters.

BEST FOR

Homes with a fireplace, an existing/alternative extraction system or applications where there is a shallow roof cavity. Not suitable for bathroom extraction.

SMARTVENT SYNERGY3 RANGE

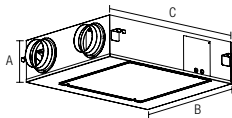
What is the size of your home (m ²)?	Model	Description	Order Code
Up to 150m ²	SYN1015AD	3 supply outlets/1 extract (expandable to 4 outlets/2 extracts*)	FAN7523
		SYN1015AD Core and Controller only	FAN1430
Up to 250m ²	SYN2025AD	3 supply outlets/1 extract (expandable to 5 outlets /2 extracts*)	FAN7524
		SYN2025AD Core and Controller only	FAN1431
Up to 350m ²	SYN3035AD	3 supply outlets/1 extract (expandable to 6 outlets /2 extracts*)	FAN7525
		SYN3035AD Core and Controller only	FAN1432

ADD-ONS

	Additional Outlet	Additional Extract	Additional Fans	Flexi Air Source	Heat Transfer	Tempering Heater Small (1kW)*	Tempering Heater Large (2kW)*
SYN1015AD	DCT4015	DCT4016	FAN7017	DCT4361	FAN6905	DCT3231	DCT3230
SYN2025AD	DCT4015	DCT4016	FAN7018	DCT4361	FAN6905	DCT3231	DCT3230
SYN3035AD	DCT4015	DCT4016	FAN7019	DCT4361	FAN6905	DCT3231	DCT3230

SPECIFICATIONS

Specifications	SYN1015AD	SYN2025AD	SYN3035AD	Dimensions (mm)	A	B	C
Fan Type	AC Centrifugal						
Max. Fan Core	2			SYN1015AD	230	690	860
Spigot Size	150mm						
Fan Speeds	3			SYN2025AD	230	710	930
Max. Air Flow per Fan @ 0 Pa	77 l/s, 277 m ³ /hr	97 l/s, 350 m ³ /hr	130 l/s, 468 m ³ /hr	SYN3035AD	240	820	1070
Max. Air Flow per Fan @ 150 Pa	38 l/s, 137 m ³ /hr	60 l/s, 216 m ³ /hr	90 l/s, 324 m ³ /hr				
Max. Static Pressure per Fan	238 Pa	285 Pa	354 Pa				
Total Input Power	120W	178W	280W				
Current (A)	0.46A	0.7A	1.1A				
Operating Temp	-10°C to 40°C						
Sound Level	31.5 dB(A)	34 dB(A)	37 dB(A)				



5
YEAR
WARRANTY



Features

App Control	
WiFi Connect	
Dew Point Control	
Humidity Sensing	x4
Temperature Sensing	x4
Low Temperature Protection	
Auto or Manual Operation	
Core Efficiency (°C)	Up to 75%
Boost Control	
Filter Change Alert	
Screen Brightness Control	
Scheduler	

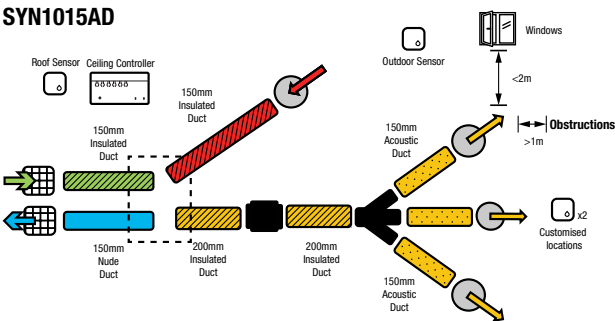
Filter Replacement

F7 Standard Filter	DCT2093
F7 HEPA Filter with Carbon	DCT2278
F7 Standard Filter with Carbon	DCT2277
G3 Filter for SYN1015AD	DCT4496
G3 Filter for SYN2025AD	DCT4497
G3 Filter for SYN3035AD	DCT4498

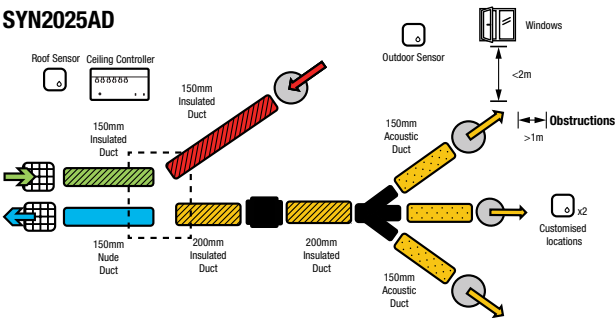
* Synergy3 systems require both an F7 Filter and G3 Filter. The F7 Filter (found in the ducting) cleans your air, and the G3 Filter (found in the core) protects your system's fan.



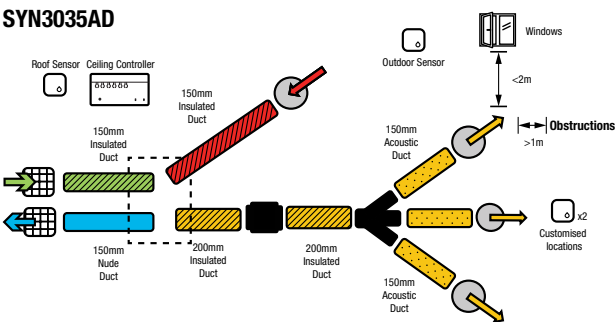
SYN1015AD



SYN2025AD



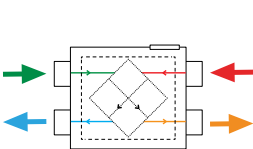
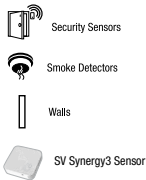
SYN3035AD



Synergy3 Componentry	3 Supply and 1 Extract
150mm Supply Diffuser	3
150mm Extract Diffuser	1
150mm Fixed Grille	2
G3 Filter	2
F7 Filter	1
Energy Recovery AHU (inc. Fans and Core)*	1
Nude Ducting	1x 150mm x 6m
Insulated Ducting	2x 150mm x 6m 1x 200mm x 3m
Acoustic Insulated Ducting	3x 150mm x 6m
Double Branch 200/150/150/150	1
Duct Joiner	1x 150mm
Reducer	1x 200/150mm
Humidity Sensor	4

*Synergy system base components are identical except for the core.

Distance from obstructions such as



Return Air
Moist, humid air is extracted from the home

Outside Air
Fresh air drawn in from outside

Exhaust Air
Moist, stale air forced out of the home

Supply Air
Tempered air enters the home

SmartVent Balance

COMBAT CONDENSATION

Reduce moisture, mould and mildew while maximising energy efficiency

OVERVIEW

A well-rounded heat recovery solution with set-and-forget controls, up to 90% heat recovery, built-in summer bypass, humidity sensing and an economical EC fan. The compact form means fitment through ceiling hatches or in cupboards and wardrobes needs little room while still including easy-change filters. The heat recovery core allows for both fresh air supply and bathroom extraction, efficiently.

BEST FOR

Most homes, but particularly those wanting no-nonsense controls, good performance, efficiency and comfort in a fully integrated, balanced fresh air and extraction solution. Great option for townhouses and apartments wanting central ventilation.

SMARTVENT BALANCE RANGE

What is the size of your home (m²)?	Model	Description	Order Code
Medium Up to 150m²	BAL225	3 supply outlets / 1 extracts (expandable to 4 outlets 2 extracts*)	FAN6838
		BAL225 Core and Controller only	FAN1433
Large Up to 250m²	BAL405	5 supply outlets / 2 extracts (expandable to 6 outlets / 3 extracts*)	FAN6839
		BAL405 Core and Controller only	FAN1434

*Contact SmartVent for design advice if more outlets or extracts are required

ADD-ONS

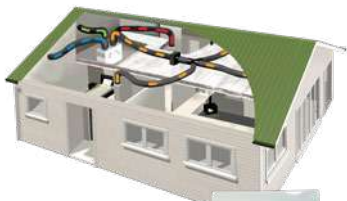
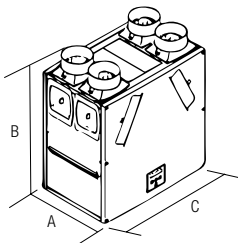
Due to its advanced systems, built-in core bypass and highly efficient heat recovery core, Balance does not require any add-ons.

	Additional Outlet	Additional Extract	Core Bypass
BAL225	DC14363	DC14362	Integrated
BAL405	DC12334	DC12335	Integrated

SPECIFICATIONS

Specifications	BAL225	BAL405
Fan Type	EC Centrifugal	
Spigot Size	125mm	150mm
Fan Speeds	10	10
Max. Air Flow per Fan @ 0 Pa	76 l/s, 275 m³/hr	136 l/s, 490 m³/hr
Max. Air Flow per Fan @ 150 Pa	62 l/s, 223m³/hr	110 l/s, 395 m³/hr
Max. Static Pressure per Fan	380 Pa	600 Pa
Total Input Power	128W	173W
Current (A)	0.58A	0.79A
Operating Temp	-20°C to 45°C	
Sound Level	39 dB(A)	

Heat Recovery Core Dimensions (mm)	A	B	C
BAL225	285	650	550
BAL405	524	745	776



5
YEAR
WARRANTY



Features

Humidity Sensing



Temperature Sensing



Auto or Manual Operation



Core Efficiency

Up to 90%

Core Bypass



Boost Control



Filter Change Alert



Scheduler



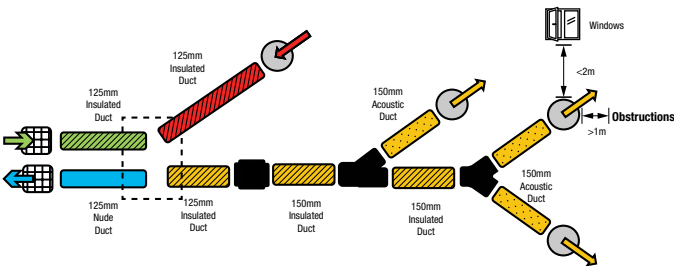
Filter Replacement

F7 Standard Filter	DCT2093
F7 HEPA Filter with Carbon	DCT2278
F7 Standard Filter with Carbon	DCT2277
G3 Filter for BAL225	DCT4493
G3 Filter for BAL405	DCT4494

* Balance systems require both an F7 Filter and G3 Filter. The F7 Filter (found in the ducting) cleans your air, and the G3 Filter (found in the core) protects your system's fan.

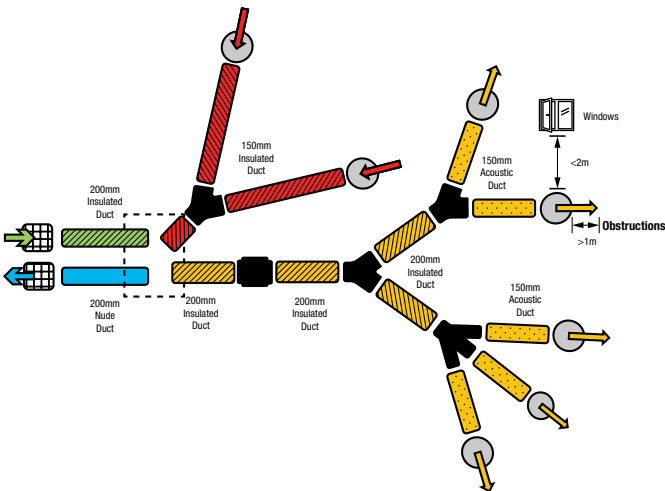


BAL225

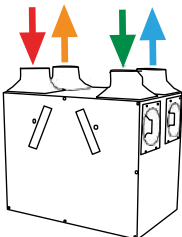


Balance Componentry	3 Supply and 1 Extract
150mm Supply Diffuser	3
125mm Extract Diffuser	1
125mm Fixed Grille	2
G3 Filter	2
F7 Filter	1
Heat Recovery AHU (inc. Fans and Core)	1
Nude Ducting	1x 125mm x 6m
Insulated Ducting	2x 125mm x 6m 1x 150mm x 3m
Acoustic Insulated Ducting	3x 150mm x 6m
Y-Branch	1x 150/150/150
Branch Take Off 150/150/150	1
Duct Joiner	1x 150mm
Reducer	1x 150/125mm
Condensate Drain 3m x 19mm	1

BAL405



Balance Componentry	5 Supply and 2 Extract
150mm Supply Diffuser	5
150mm Extract Diffuser	2
200mm Fixed Grille	2
G3 Filter	2
F7 Filter	1
Heat Recovery AHU (inc. Fans and Core)	1
Nude Ducting	1x 200mm x 6m
Insulated Ducting	2x 150mm x 6m 2x 200mm x 3m
Acoustic Insulated Ducting	3x 150mm x 6m
Y-Branch	2x 200/150/150 1x 200/200/200
Double Branch 200/150/150/150	1
Duct Joiner	1x 150mm & 1x 200mm
Condensate Drain 3m x 19mm	1



Return Air

Moist, humid air is extracted from the home

Outside Air

Fresh air drawn in from outside

Exhaust Air

Moist, stale air forced out of the home

Supply Air

Tempered air enters the home

*Distance from obstructions such as



Vent-Axia Econiq

ALL-IN-ONE SOLUTION

Reliable, highly efficient, quiet and easy to operate ducted ventilation system

OVERVIEW

Our premium heat recovery solution with app control, up to 93% heat recovery, incredibly quiet operation, built-in summer bypass, humidity sensing and an economical EC fan. The airtight construction includes easy-change filters, additional unit insulation, and a heat recovery core providing both fresh air supply and bathroom extraction, efficiently. Plus, you can add additional remote sensors to your custom design.

BEST FOR

Larger or custom homes and particularly those paying attention to energy efficiency, airtightness and comfort while wanting a fully integrated, balanced fresh air and extraction solution with expandable, advanced controls.

ECONIQ RANGE

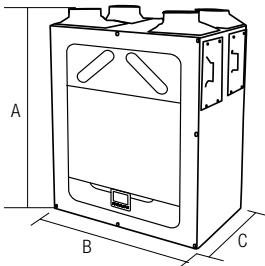
Spigot Size	Description	Order Code
125mm	Econiq S - MVHR CORE ONLY Mechanical Heat Recovery with App control	413625
200mm	Econiq M - MVHR CORE ONLY Mechanical Heat Recovery with App control	413626

ADD-ONS

Due to its advanced systems, built-in core bypass and highly efficient heat recovery core, Econiq does not require any add-ons.

SPECIFICATIONS

Specifications	Econiq S	Econiq M
Fan Type	EC Centrifugal	
Spigot Size	125mm	200mm
Fan Speeds	4 (Programmable)	
Max. Air Flow per Fan @ 0 Pa	177 l/s, 421 m³/hr	166 l/s, 600 m³/hr
Max. Air Flow per Fan @ 150 Pa	97 l/s, 349 m³/hr	125 l/s, 450 m³/hr
Max. Static Pressure per Fan	700 Pa	680 Pa
Power Supply	220–240V AC 50 Hz	
Total Input Power	166W	206W
Current (A)	0.76A	0.94A
Operating Temp	–20°C to 40°C	
Sound Level	43 dB(A)	38 dB(A)



Dimensions (mm)	A	B	C
Econiq S	823	660	443
Econiq M	931	728	608

*Econiq systems require both an F7 Filter and G4 Filter. The F7 Filter (found in the ducting) cleans your air, and the G4 Filter (found in the core) protects your system's fan.



Features	
App Control	
WiFi Connect	
Humidity Sensing	
Temperature Sensing	
Auto or Manual Operation	
Core Efficiency (°C)	Up to 93%
Core Bypass	
Lock	
Boost Control	
Filter Change Alert	
Scheduler	



Return Air
Moist, humid air is extracted from the home

Outside Air
Fresh air drawn in from outside

Exhaust Air
Moist, stale air forced out of the home

Supply Air
Tempered air enters the home



Heat and Energy Recovery Systems Comfort Upgrades

Additional Supplies and Extracts



Compatible with	Model	DCT4015 Contents	Quantity
Synergy3	FAN7523	200/200/150mm Branch Take Off	1
	FAN7524	150mm x 3m Acoustic Insulated Ducting R0.6	1
	FAN7525	150mm Diffuser White	1
		Fixtures and Fittings	-



Compatible with	Model	DCT4016 Contents	Quantity
Synergy3	FAN7523	150/150/150mm Branch Take Off	1
	FAN7524	150mm x 3m Insulated Ducting	1
	FAN7525	150mm Diffuser White	1
		Fixtures and Fittings	-



Compatible with	Model	DCT4363 Contents	Quantity
Balance	FAN6838	150mm x 3m Acoustic Insulated R0.6 Duct	1
		150mm Diffuser White	1
		150/150/150mm Insulated Branch Take Off	1
		Fixtures and Fittings	-



Compatible with	Model	DCT4362 Contents	Quantity
Balance	FAN6838	125mm x 3m Insulated R0.6 Duct	1
		125mm Diffuser White	1
		125mm Branch Take Off Insulated	1
		Fixtures and Fittings	-



Compatible with	Model	DCT2334 Contents	Quantity
Balance	FAN6839	150mm x 3m Acoustic Duct R0.6	1
		150mm Low Profile Flat Diffuser	1
		200/150/150/150mm Double Branch Take Off Insulated	1
		Fixtures and Fittings	-



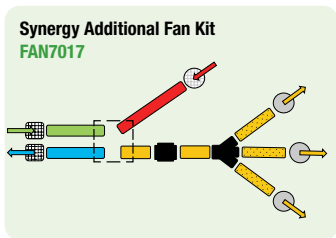
Compatible with	Model	DCT2335 Contents	Quantity
Balance	FAN6839	150mm x 3m Insulated R0.6 Duct	1
		150mm Diffuser White	1
		200/150/150/150mm Double Branch Take Off Insulated	1
		Fixtures and Fittings	-



Heat and Energy Recovery Systems Comfort Upgrades

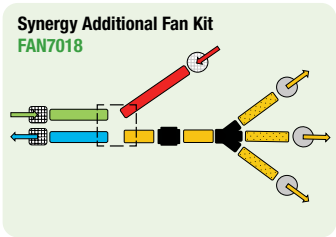
Additional Fans

An additional fan kit allows an additional branch with fan, filter and outlet to be fitted to the system. The additional fan kits enable a single controller to operate two systems where long duct runs or between-floor configurations would otherwise require separate systems.



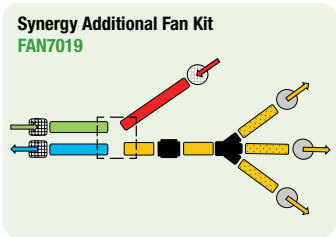
Compatible with	Model
Synergy3	FAN7523

FAN7017 Contents	Quantity
Core Unit with Fans	1
200mm x 3m Insulated R0.6 Duct	1
150mm x 6m Acoustic Insulated R0.6 Duct	3
150mm Metal Joiner	1
200/150/150/150 Double Branch Take Off	1
200mm F7 Filter	1
150mm Low Profile Flat Diffuser	3
200mm to 150mm Reducer	1
150mm x 6m Nude Duct	1
150mm x 6m Insulated R0.6 Duct	2
150mm White Diffuser	1
150mm White Fixed Grille	2
Fixtures and Fittings	-



Compatible with	Model
Synergy3	FAN7524

FAN7018 Contents	Quantity
Core Unit with Fans	1
200mm x 3m Insulated R0.6 Duct	1
150mm x 6m Acoustic Insulated R0.6 Duct	3
150mm Metal Joiner	1
200/150/150/150 Double Branch Take Off	1
200mm F7 Filter	1
150mm Low Profile Flat Diffuser	3
200mm to 150mm Reducer	1
150mm x 6m Nude Duct	1
150mm x 6m Insulated R0.6 Duct	2
150mm White Diffuser	1
150mm White Fixed Grille	2
Fixtures and Fittings	-

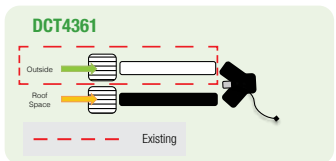


Compatible with	Model
Synergy3	FAN7525

FAN7019 Contents	Quantity
Core Unit with Fans	1
200mm x 3m Insulated R0.6 Duct	1
150mm x 6m Acoustic Insulated R0.6 Duct	3
150mm Metal Joiner	1
200/150/150/150 Double Branch Take Off	1
200mm F7 Filter	1
150mm Low Profile Flat Diffuser	3
200mm to 150mm Reducer	1
150mm x 6m Nude Duct	1
150mm x 6m Insulated R0.6 Duct	2
150mm White Diffuser	1
150mm White Fixed Grille	2
Fixtures and Fittings	-

Flexi Air Source - Roof Cavity

Roof Cavity Air Supply is an optional second air intake located in the roof cavity. This Comfort Add-On allows the system to utilise the roof cavity temperature for increased air source flexibility.



Compatible with	Model
Synergy3	FAN7523
	FAN7524
	FAN7525

DCT4361 Contents	Quantity
150mm Motorised Damper	1
150mm x 6m Insulated Ducting	1
150mm x 3m Nude Ducting	1
Square Fixed Grille	2
Fixtures and Fittings	-

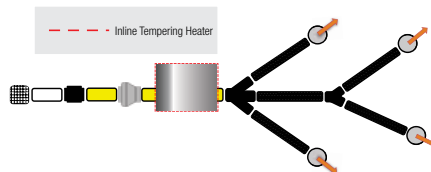


Heat and Energy Recovery Systems Add-on Kits

Tempering Heater

A Tempering Heater is an electrical element inline heater designed to temper the incoming air.

- Specified when the ability to temper the delivered air to a more comfortable temperature is required.
- Tempering heaters will not provide a home heating solution.
- The temperature of the introduced air can be raised by up to 8°C. The temperature of the home will not increase by this much.
- A SmartVent system with an inline tempering heater is not intended to be a substitute for an effective heating system in the home.



1kW Kit
DCT3231



Compatible with	Model
Synergy3	FAN7523
	FAN7524
	FAN7525

DCT3231 Contents	Quantity
In-Duct Heater Kit	1

2kW Kit
DCT3230



Compatible with	Model
Synergy3	FAN7523
	FAN7524
	FAN7525

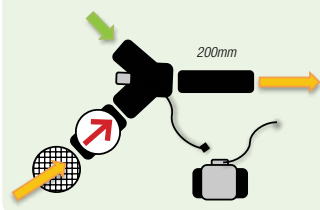
DCT3230 Contents	Quantity
In-Duct Heater Kit	1

Heat Transfer

Heat Transfer has a motorised damper and external fan that operates to switch the air drawing from either the outside or roof cavity to instead draw air from the room where there is a heat source (usually a lounge) and transfer it to the bedrooms. This feature can also provide an alternative air supply. When installing a Heat Transfer feature, an adequate heat source is required that is capable of delivering enough excess heat to warm rooms it is transferred to, while remaining effective in the source room.

- It is important to point out that when Heat Transfer is activated, the system is not bringing in fresh air, or extracting stale air, so it is not ventilating the home. However, the home is getting the benefit of transferring heat around the house (e.g. cold winter nights). It also shuts off any supply back into the heat source room.
- The Recycle function will recycle inside air around the home when other air sources are not suitable. The recycle function for SmartVent Synergy3 systems is a feature of the Heat Transfer upgrade.

FAN6905



Compatible with	Model	FAN6905 Contents	Quantity
Synergy3	FAN7523	200mm T Branch Damper	1
	FAN7524	150mm Barrel Damper	1
	FAN7525	200mm X 6m Insulated Duct R0.6	1
		200mm Diffuser White	1
		200mm Mixflo Fan	1
		Fixtures And Fittings	-

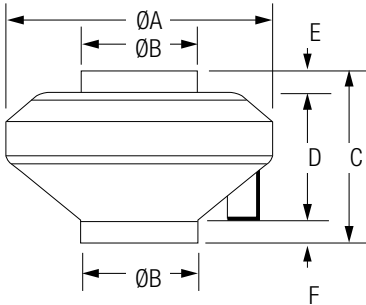
Note:

- Heat Transfer is recommended when there is a heat source that creates excess heat (i.e. wood fire or similar).
- Heat Transfer can also be used to manage the preferred temperature and moisture conditions in the home when added to a SmartVent Synergy3 system.
- A heat pump sized for the room it occupies may not be suitable for Heat Transfer.
- If planning to use a heat pump with Heat Transfer, first consult the heat pump installer/manufacturer.

Positive Pressure Systems Specifications

Home Ventilation Systems

Specifications	SV01L+	SV02L+	SV02P3	SV02AD	SV04L+	SV04P3	SV04AD	SV06L+	SV06P3	SV06AD
House Size	Up to 100m ²	Up to 100m ²			Up to 280m ²			Up to 560m ²		
Max. Fans	2	2	4		2	4		2	4	
Fan Type	AC	AC	EC		AC	EC		AC	EC	
Spigot Size	150mm	150mm			200mm			200mm		
Fan Speeds	3	3	Infinitely Variable		3	Infinitely Variable		3	Infinitely Variable	
Max. Air Flow per Fan @ 0 Pa	152 l/s, 548m³/hr	152 l/s, 548m³/hr	175 l/s, 630m³/hr		282 l/s, 1014m³/hr	284 l/s, 1023m³/hr		282 l/s, 1014m³/hr	284 l/s, 1023m³/hr	
Max. Air Flow per Fan @ 150 Pa	98 l/s, 353m³/hr	98 l/s, 353m³/hr	132 l/s, 475m³/hr		211 l/s, 760m³/hr	206 l/s, 742m³/hr		211 l/s, 760m³/hr	206 l/s, 742m³/hr	
Max. Static Pressure per Fan	336 Pa	336 Pa	568 Pa		441 Pa	461 Pa		441 Pa	461 Pa	
Power Supply	220–240V AC 50 Hz	220–240V AC 50 Hz			220–240V AC 50 Hz			220–240V AC 50 Hz		
Input Power per Fan	57W	57W	67W		105W	85W		105W	85W	
Current (A) per Fan	0.26A	0.26A	0.29A		0.47A	0.7A		0.47A	0.7A	
Operating Temp	–25°C to 50°C	–25°C to 50°C			–25°C to 50°C			–25°C to 50°C		
Sound Level	47 dB(A)	47 dB(A)			53 dB(A)			53 dB(A)		



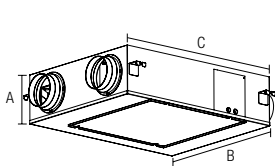
Fan Dimensions (mm)	A	B	C	D	E	F
Spigot Size – 150mm	340	150	280	170	50	60
Spigot Size – 200mm	340	200	280	170	50	60



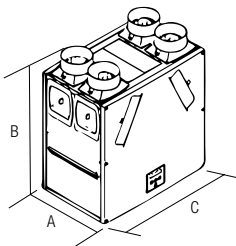
Heat & Energy Recovery Systems Specifications

Home Ventilation
Systems

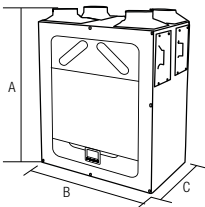
Specifications	SYN1015AD	SYN2025AD	SYN3035AD	BAL225	BAL405	Econiq S	Econiq M
Fan Type	AC Centrifugal			EC Centrifugal		EC Centrifugal	
Max. Fan Cores	2			—		—	
Spigot Size	150mm			125mm	150mm	125mm	200mm
Fan Speeds	3			10		4 (Programmable)	
Max. Air Flow per Fan @ 0 Pa	77 l/s, 277 m³/hr	97 l/s, 350 m³/hr	130 l/s, 468 m³/hr	76 l/s, 275 m³/hr	136 l/s, 490 m³/hr	177 l/s, 421 m³/hr	166 l/s, 600 m³/hr
Max. Air Flow per Fan @ 150 Pa	38 l/s, 137 m³/hr	60 l/s, 216 m³/hr	90 l/s, 324 m³/hr	62 l/s, 223m³/hr	110 l/s, 395 m³/hr	97 l/s, 349 m³/hr	125 l/s, 450 m³/hr
Max. Static Pressure per Fan	238 Pa	285 Pa	354 Pa	380 Pa	600 Pa	700 Pa	680 Pa
Power Supply	230–240V AC 50 Hz			220–240V AC 50 Hz		220–240V AC 50 Hz	
Total Input Power	120W	178W	280W	128W	173W	166W	206W
Current (A)	0.46A	0.7A	1.1A	0.58A	0.79A	0.76A	0.94A
Operating Temp	–10°C to 40°C			–20°C to 45°C		–20°C to 40°C	
Sound Level	31.5 dB(A)	34 dB(A)	37 dB(A)	39 dB(A)		43 dB(A)	38 dB(A)



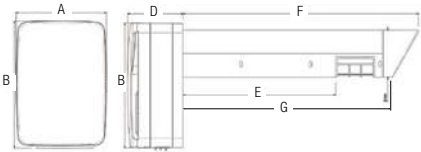
Energy Recovery Core Dimensions (mm)	A	B	C
SYN1015AD	230	690	860
SYN2025AD	230	710	930
SYN3035AD	240	820	1070



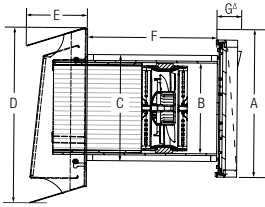
Heat Recovery Core Dimensions (mm)	A	B	C
BAL225	285	650	550
BAL405	524	745	776



Heat Recovery Core Dimensions (mm)	A	B	C
Econiq S	823	660	443
Econiq M	931	728	608



Temptra Dimensions (mm)	A	B	C	D	E	F	G
Standard Tube	190	266	262	117	321	496	450
Long Tube	190	266	262	117	461	636	590



Fresh Dimensions (mm)	A	B	C	D	E	F	G
Standard	270	Ø160	Ø180	276	80	≥140	44



Ventilation Design Service

How can we help?

Our design service gives you access to our team's ventilation expertise, helping you select the right system for complex projects and new builds.

We'll create a tailored design based on your home or project, taking your specific requirements and relevant compliance standards into account.

Simply complete our design form, and we'll provide a comprehensive system design and detailed parts list, tailored to your needs.

Who do we help?

Complex Design

Some homes present unique challenges, such as complex layouts, limited space, or restricted options for ducting.

Our design service is ideal for architectural homes, cathedral or skillion roofs, properties with little or no roof cavity, multi-storey homes, and high-end builds.

Our ventilation experts can design a system that works with your home's structure, layout, and specific requirements.

Compliance

Our SmartVent ventilation design service provides expert support to help ensure your system meets relevant building code and ventilation requirements.

We can also help improve acoustic design for homes in areas affected by background or aircraft noise, while supporting requirements such as G4, Healthy Homes, and Homestar.

From compliance to comfort, we'll help you design a ventilation system that's right for your project.



High End Homes

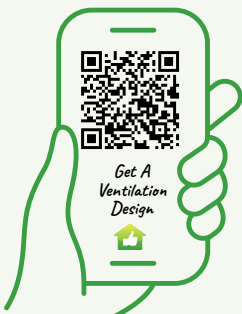
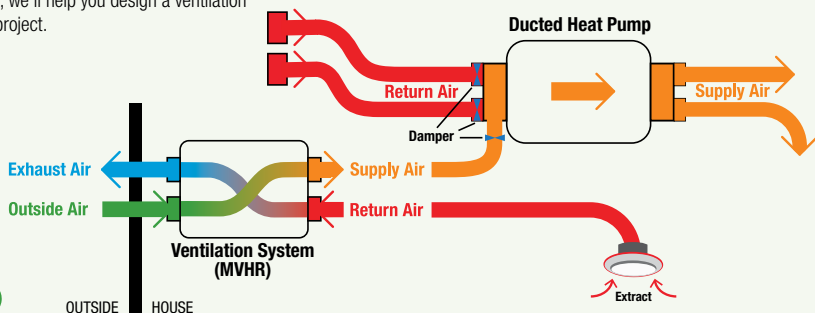
High-end, airtight, and passive homes require careful ventilation design to maintain energy efficiency without compromising comfort or indoor air quality.

Our design service helps create effective airflow pathways and ensure the home achieves the required air changes per hour, while discreetly integrating ventilation to maintain a comfortable, healthy environment.

Heat Pump Integrations

Already have a heat pump design? Send it to us and we can provide a heat recovery overlay and detailed parts list.

This approach gives you the best of both worlds. Fresh, filtered air at a comfortable temperature, while helping minimise the energy required to heat or cool your home.



Email our design team today!

design@smartvent.co.nz



Room Air Purifier 260X

PURIFY YOUR INDOOR AIR FOR A HEALTHIER HOME ENVIRONMENT

OVERVIEW

Purify your indoor air for a healthier home environment.
An in-room air purifier. Perfect when opening windows isn't an option*.
*Please note: This unit is not a dehumidifier.

BEST FOR

Reducing dust, mould spores, bacteria, and viruses in homes.

PUREAIR ROOM 260X RANGE

Description	Order Code
PureAir Room 260X Air Purifier with App Control (Smart Life)	FAN7450
PureAir Room 260X Replacement Filter	DCT4615

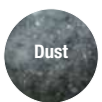


Home Ventilation
Systems



Mould

Mycotoxins released by mould spores can cause headaches, eczema & lung conditions such as asthma



Dust

Household dust can be an irritant to our skin and lungs. It is also the perfect food for dust mites which produce allergens



Viruses

Bacteria and viruses spread easily around the home in the air causing cold and flu like symptoms



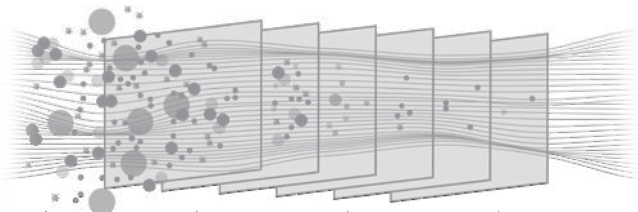
Odour

Odour can be unpleasant but odour caused by pollutants like aerosols and air fresheners can be detrimental to your health

SPECIFICATIONS

Supply	220–240V AC, 50Hz	Rated Power	60W	Dimensions (W*D*H)	350 x 210 x 550mm
Air Flow Rate	260m³/h	Room size	30m²	Weight	5.8 kg
Timer	1-8 hours	Noise Range	27-45 dB(A)		

ADVANCED 6-STAGE FILTRATION SYSTEM



Ideal Room Types

Living Room

Dining Room

Bedroom

Nursery

Home Office

Hotel Rooms

2
yr
WARRANTY



Accessories

Acoustic Insulated Duct

150mm x 3m	DCT0633
150mm x 6m	DCT0634
200mm x 3m	DCT0635
200mm x 6m	DCT0636



Insulated Duct

150mm x 3m	DCT0583
150mm x 6m	DCT0584
200mm x 3m	DCT0585
200mm x 6m	DCT0586



Nude Duct

150mm x 3m	DCT0561
150mm x 6m	DCT0562
200mm x 3m	DCT0563
200mm x 6m	DCT0564



Duct Fasteners

Hanging Strap	DCT2299
Duct Tape 48mm x 5m	DCT0173
Duct Tape 48mm x 30m	DCT0807



Duct Connectors

150mm Metal	DCT0723
200mm Metal	DCT0724



Y Branch

150-150-150	DCT1233
200-150-150	DCT0379
200-200-200	DCT0376
250-200-200	DCT0471



Branch Take Off

200-200-150	DCT0877
250-250-150	DCT0880



Double Branch Take Off

200-150-150-150	DCT0889
250-200-150-150	DCT0891



Fixed Louvre Grilles – White Plastic

125mm	DCT0041
150mm	DCT0063
200mm	DCT1089



Ceiling Diffuser – Square White Plastic

150mm Flat	DCT2208
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Extract Diffuser – Round White Plastic

125mm	DCT2188
150mm	DCT4139
200mm	DCT4140



Cowls

125mm White Weatherproof Cowl	DCT0302
125mm Black Weatherproof Cowl	DCT0303
150mm White Weatherproof Cowl	DCT0304
150mm Black Weatherproof Cowl	DCT0305
200mm Stainless Steel Weatherproof Cowl	DCT4350
150mm Through Roof Cowl Kit	DCT0172
200mm Through Roof Cowl Kit	DCT3603



Replacement Filters

G4 Sock	DCT1411
G4 Filter	DCT2221
F7 Filter/EU 7	DCT2093
F7 with Carbon Filter	DCT2277
HEPA with Carbon Filter	DCT2278
Replacement Springs for Filter (4 Pack)	DCT4602
Complete replacement filter (150mm)	DCT4612
Complete replacement filter(200mm)	DCT4558



Replacement G3 Filters (2 Pack)

for BAL225	DCT4493
for BAL405/405 PLUS	DCT4494
for SYN190/E/E2	DCT4495
for SYN1015/E/E2	DCT4496
for SYN2025/E/E2	DCT4497
for SYN3035/E/E2	DCT4498



Cables

3m Fan Lead (4-wire)	FAN2190
3m Heater or Damper Lead (3-wire)	FAN2194
2.5m Fan Power (3-core)	FAN0089
2.5m Fan Harness (2-core)	FAN6904
P3/Advance Wall Controller Cable	FAN6816
Lite+ Sensor Cable	FAN7254



Connectors

2 Pin Green Header (EC Fan only)	FAN7106
3 Pin Green Header (Dampers)	FAN2060
4 Pin Green Header (EC & AC Fans)	FAN2061



Upgrade Kits

Positive3 Upgrade Kit	FAN1232
Positive Advance Upgrade Kit	FAN0118



Sensor

Battery for wireless sensor	DCT3429
Wireless sensor (battery not included)	FAN7395C
Lite+ Wired Sensor	FAN7278



Controls

Lite+ Wall Controller	FAN7278
P3 Wall Controller	FAN1204
Positive Advance Wall Controller	FAN6815



Fans

150mm 3-Speed AC Fan	FAN7483
200mm 3-Speed AC Fan	FAN7484
150mm EC Fan	FAN1118
200mm EC Fan	FAN1119



Other Accessories

SmartVent is able to offer a full range of ducting accessories. Contact us to discuss any specific ducting requirements you may have.

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Heat Transfer Systems

System Selection Guide

System	Rooms	Fan	Free Air Fan Performance		Ducting	Order Code
			(l/s)	(m³/hr)		
Heat Trans	1-Room	Axial	105	380	R0.6	FAN0325
	2-Room	Mixed Flow	166	597	R0.6	FAN0337
	3-Room	Mixed Flow	272	980	R0.6	FAN0338
Heat Retention Plus	1-Room	Axial	105	380	R1.0	FAN7230
	2-Room	Mixed Flow	166	597	R1.0	FAN7231
	3-Room	Mixed Flow	272	980	R1.0	FAN6879
Add-On Kit		System	Model Compatibility		Order Code	
Additional Outlet		Heat Trans	3-Room		DCT2101	
		Heat Retention Plus	3-Room		DCT4349	
Summer Vent		Suits FAN7194 Touch Screen Controller	Heat Trans	2-Room, 3-Room		DCT4543
			Heat Retention Plus	2-Room, 3-Room		

Replacement Equipment

Description		System	Model Compatibility	Order Code
	Touch Screen Controller	Heat Trans	1-Room, 2-Room, 3-Room	FAN7194
		Heat Retention Plus		

Through Wall Fan Kits

Through Wall 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	Order Code
					(l/s)	(m³/hr)				
	100	Axial	4	30	30	108	0.13	17-20	App Control	FAN7234
	100	Axial	20	20	23	85	0.87	41	Pullcord	FAN0005

How the HeatTrans System Works



Excess heat from the heat source rises to the ceiling level where it is trapped. This excess heat can reach temperatures over 30°C.



This excess heat is drawn up using a high quality fan and is effectively transferred to other rooms via the insulated ducting.



Warm air is re-circulated throughout the home when the air moves back from the bedrooms to the lounge. This can also make the home healthier by helping reduce mould and mildew.



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CEILING FAN SELECTION GUIDE

SAVING MONEY AND THE ENVIRONMENT

Ceiling fans create a substantial cooling affect by gently circulating the air at a fraction of the cost of air conditioning.



900mm (36")

Ideal for small bedrooms, home office, wide hallways, compact kitchens, and any area in your home with limited space.



1200mm (48") to 1250mm (50")

Balancing compact proportiond with strong airflow. These mid-sized ceiling fans are perfect for small to medium sized rooms or smaller living areas.



1300mm (52") to 1400mm (56")

Recommended for larger bedrooms and general living areas. Can also be great for covered outdoor entertaining areas.



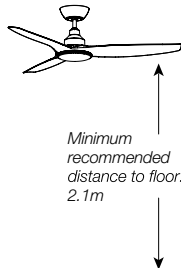
1500mm (60") to 1570mm (62")

Ideal for pushing more air over open space, bigger living areas, and large covered outdoor alfresco areas.

Ceiling Height

Ventair fans are designed to suit ceiling heights of 2.45m – 3.05m. (ie. blade clearance of 2.1m – 2.7m from floor).

A range of extension rods are available for ceiling heights above 3.05m.



Usage Tips

1. Use the Reversible mode to aid heat circulation in colder months.
2. DC fans have low motor noise which makes them an ideal choice for bedrooms.
3. Running a ceiling fan on low speed generates gentle circulation to keep air feeling fresher.





Skyfan^{DC}

The future in fans

A beautifully crafted range of fans uses quiet DC motor technology and aerodynamic blade design to create exceptional levels of both energy efficiency, and performance.



Available Sizes 900mm 1200mm 1300mm 1500mm



Intelligent energy saving
DC technology



Up to 75% less power
consumption



High airflow capacity



Extremely quiet
- ideal for bedrooms



In-built anti-vibration system



Glass fibre composite blades
for added strength and durability



Quick click blade assembly



Indoor and covered outdoor



6 speed LCD multifunction
remote included



Eco, Sleep and Timer functions



Summer / winter reversible



Android and IOS app control
option functions compatible
with Google Home and Alexa
(sold separately)

WITH LED MODELS



Slimline 5-step dimmable
20W LED (1800 lumen)



Tri colour changeable
(warm, natural and cool light)

Ceiling Sweep Fans



Skyfan DC ceiling fans use energy efficient DC technology to reduce power consumption by 75% compared to AC models. Lightweight glass fibre composite blades add strength and durability, as well as an inbuilt anti-vibration system. Reversible function is available on the 6-speed LCD remote controller with ECO, sleep and timer functions. Suitable for indoor and covered outdoor areas. 5 year warranty.

Skyfan DC 3 BLADE	Sweep Dia. (mm)	Fan Speed (RPM) 1, 2, 3, 4, 5, *ECO	Max Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
	900	100/150/190/220/270/*120	208	3-32	White	SKY903WH
					Black	SKY903BL
	1200	95/140/170/200/230/*115	232	3.6-31	White	SKY1203WH
					Black	SKY1203BL
	1300	90/132/166/190/210/*110	244	3.9-32	White	SKY1303WH
					Black	SKY1303BL
	1500	73/104/127/150/175/*88	322	3.9-43	White	SKY1503WH
					Black	SKY1503BL
					Teak	SKY1503TK
Skyfan DC 3 BLADE - Class II	1300	90/132/166/190/210/*110	244	3.9-32	White	SKY1303WHC2

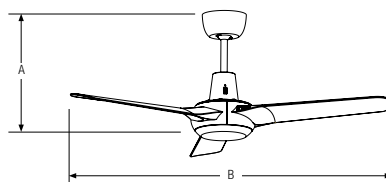
Ceiling Sweep Fans	Skyfan DC 3 BLADE with LED	Sweep Dia. (mm)	LED (W)	Output (lm)	Fan Speed (RPM) 1, 2, 3, 4, 5, *ECO	Max Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
		900	20	1800	100/150/190/220/270/*120	208	3-32	White	SKY903WH-L
								Black	SKY903BL-L
		1200			95/140/170/200/230/*115	232	3.6-31	White	SKY1203WH-L
								Black	SKY1203BL-L
		1300			90/132/166/190/210/*110	244	3.9-32	White	SKY1303WH-L
								Black	SKY1303BL-L
					73/104/127/150/175/*88	322	3.9-43	Teak	SKY1303TK-L
		1500						White	SKY1503WH-L
								Black	SKY1503BL-L
								Teak	SKY1503TK-L

Skyfan DC 3 BLADE ACCESSORIES	Description	Order Code
	Classic 3 Speed Wall Control with Light*	DCFAN3SPWCL
	Classic 3 Speed Wall Control without Light*	DCFAN3SPWC
	LCD Wall Control	SKYWCM
	LCD Wall Control without Light	SKYWCM-2
	App Control	SKYAPPCM
	600/900/1200mm Extension Rods	White SKYEXTR60/90/120WH Black SKYEXTR60/90/120BL

*When using the Classic 3 Speed Controller the remote control will not work.

Dimensions (mm)

Model	A	B
SKY903	360	900
SKY1203	360	1200
SKY1303	360	1300
SKY1503	360	1500



SPYDA ceiling fans are a revolutionary design incorporating aerodynamic blades with true spin technology to produce increased air circulation with low power consumption. Blades are constructed of a precision moulded UV protected composite and highest quality Japanese silicon nitride bearings which creates a smooth running long life fan that is guaranteed to give years of trouble free operation. Ceiling fans are 220-240V AC, 50Hz operated and come complete with ECO airflow function and 3-speed fan controller. LED lights are 4 step dimmable with three selectable colours. 6 year warranty.

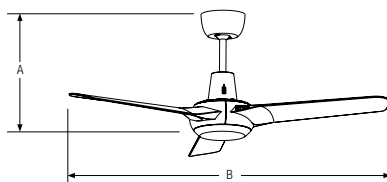
SPYDA 4 BLADE	Sweep Dia. (mm)	Fan Speed	Fan Rotation (RPM)	Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
	1250	Economy	107	101	14	Titanium	SPY1254TI
		Medium	170	167	34		
		High	230	210	55		
	3 Speed Remote Controller						SPYRFR5056
	1400	Economy	100	105	13	Titanium	SPY1424TI
		Medium	140	174	22	Black	SPY1424BL
		High	220	222	68	Teak	SPY1424TK
3 Speed Remote Controller						SPYRFR5056	

SPYDA 4 BLADE with LED	Sweep Dia. (mm)	LED (W)	Output (lm)	Fan Speed	Fan Rotation (RPM)	Air Delivery (m³/min)	Wattage (W)	Colour	Order Code				
	1250	20	2050	Economy	107	101	14	Titanium	SPY1254TI-L				
				Medium	170	167	34	Black	SPY1254BL-L				
				High	230	210	55						
	3 Speed Remote Controller								SPYRFR5056				
	1400	20	2050	Economy	100	105	13	Titanium	SPY1424TI-L				
				Medium	140	174	22	Black	SPY1424BL-L				
				High	220	222	68	Teak	SPY1424TK-L				
				3 Speed Remote Controller								Walnut	SPY1424WN-L
				3 Speed Remote Controller								SPYRFR5056	

SPYDA 4 BLADE ACCESSORIES	Description	Order Code		
		Satin White	Titanium	Matte Black
	450mm	SPYEXTR45WH	SPYEXTR45TI	SPYEXTR45BL
	600mm	SPYEXTR60WH	SPYEXTR60TI	SPYEXTR60BL
	900mm	SPYEXTR90WH	SPYEXTR90TI	SPYEXTR90BL
	Extension Rod Joiner Kits	SPJKWH	SPJKTI	SPJKBL
	J-Hook Hanging Packs	SPYJHWH	SPYJHTI	SPYJHBL

Dimensions (mm)

Model	A	B
SPY1254	330	1250
SPY1424	330	1400



Ceiling Sweep Fans



SPYDA ceiling fans are a revolutionary design incorporating aerodynamic blades with true spin technology to produce increased air circulation with low power consumption. Blades are constructed of a precision moulded UV protected composite and highest quality Japanese silicon nitride bearings which creates a smooth running long life fan that is guaranteed to give years of trouble free operation. Ceiling fans are 220-240V AC, 50Hz operated and come complete with ECO airflow function and 3-speed fan controller. 6 year warranty.

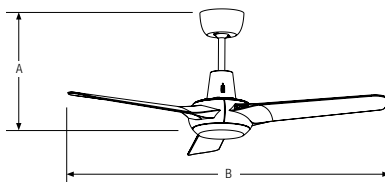
SPYDA 3 BLADE	Sweep Dia. (mm)	Fan Speed	Fan Rotation (RPM)	Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
	900	Economy	150	54	16	White	SPY903NWH
		Medium	210	75	24	Black	SPY903NBL
		High	280	95	60		
		3 Speed Remote Controller					
	1250	Economy	107	101	14	White	SPY1253NWH
						Titanium	SPY1253NTI
						Black	SPY1253NBL
						Bamboo	SPY1253NBAM
		Medium	170	167	34	Teak	SPY1253NTK
		High	230	210	55	Walnut	SPY1253NWN
		3 Speed Remote Controller					
	1400	Economy	100	115	13	Black	SPY1423NBL
						Bamboo	SPY1423NBAM
						Teak	SPY1423NTK
						Walnut	SPY1423NWN
		3 Speed Remote Controller					
	1570	Economy	90	112	27	White	SPY1573NWH
						Titanium	SPY1573NTI
						Black	SPY1573NBL
						Bamboo	SPY1573NBAM
		Medium	150	176	62	Teak	SPY1573NTK
		High	200	255	100		
3 Speed Remote Controller						SPYRFR62	

*Please refer to Simx website - www.simx.co.nz for remote compatibility

SPYDA 3 BLADE ACCESSORIES	Description		Order Code		
			Satin White	Titanium	Matte Black
	Extension Rods	450mm	SPYEXTR45WH	SPYEXTR45TI	SPYEXTR45BL
		600mm	SPYEXTR60WH	SPYEXTR60TI	SPYEXTR60BL
		900mm	SPYEXTR90WH	SPYEXTR90TI	SPYEXTR90BL
	Extension Rod Joiner Kits		SPJKWH	SPJKTI	SPJKBL
	J-Hook Hanging Packs		SPYJHWH	SPYJHTI	SPYJHBL

Dimensions (mm)

Model	A	B
SPY903N	330	900
SPY1253N	330	1250
SPY1423N	330	1400
SPY1573N	330	1570



SPYDA ceiling fans are a revolutionary design incorporating aerodynamic blades with true spin technology to produce increased air circulation with low power consumption. Blades are constructed of a precision moulded UV protected composite and highest quality Japanese silicon nitride bearings which creates a smooth running long life fan that is guaranteed to give years of trouble free operation. Ceiling fans are 220-240V AC, 50Hz operated and come complete with ECO airflow function and 3-speed fan controller. LED lights are 4 step dimmable with three selectable white colours. 6 year warranty.

SPYDA 3 BLADE with LED	Sweep Dia. (mm)	LED (W)	Output (lm)	Fan Speed	Fan Rotation (RPM)	Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
  	900	3 Speed Remote Controller							SSRFR36*
	1250	20	2050	Economy Medium High	107 170 230	101 167 210	14 34 55	Titanium	SPY1253TI-L
								Black	SPY1253BL-L
								Bamboo	SPY1253BAM-L
								Teak	SPY1253TK-L
								Walnut	SPY1253WN-L
	3 Speed Remote Controller							SPYRFR5056	
	1400	20	2050	Economy Medium High	100 140 220	115 174 222	13 22 68	Titanium	SPY1423TI-L
								Black	SPY1423BL-L
								Bamboo	SPY1423BAM-L
								Teak	SPY1423TK-L
								3 Speed Remote Controller	
	3 Speed Remote Controller							SPYRFR5056	
	1570	20	2050	Economy Medium High	90 150 200	112 176 255	27 62 100	White	SPY1573WH-L
								Black	SPY1573BL-L
								Bamboo	SPY1573BAM-L
								3 Speed Remote Controller	
								3 Speed Remote Controller	

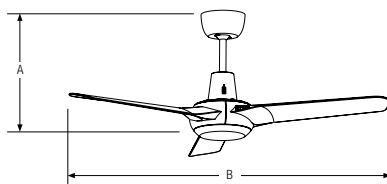
Ceiling Sweep Fans

*Please refer to Simx website - www.simx.co.nz for remote compatibility

SPYDA 3 BLADE ACCESSORIES	Description	Order Code		
		Satin White	Titanium	Matte Black
	450mm	SPYEXTR45WH	SPYEXTR45TI	SPYEXTR45BL
	600mm	SPYEXTR60WH	SPYEXTR60TI	SPYEXTR60BL
	900mm	SPYEXTR90WH	SPYEXTR90TI	SPYEXTR90BL
	Extension Rod Joiner Kits	SPJKWH	SPJKTI	SPJKBL
	J-Hook Hanging Packs	SPYJHWH	SPYJHTI	SPYJHBL

Dimensions (mm)

Model	A	B
SPY1253	391	1250
SPY1423	393	1400
SPY1573	406	1570



Ceiling Sweep Fans



SPINIKA ceiling fans are a revolutionary design incorporating aerodynamic blades with true spin technology to produce increased air circulation with low power consumption. Blades are constructed of a glass fibre composite and highest quality Japanese silicon nitride bearings which creates a smooth running long life fan that is guaranteed to give years of trouble free operation. Ceiling fans are 220-240V AC, 50Hz operated and come complete with ECO airflow function and 3-speed fan controller. LED lights are 4 step dimmable with three selectable white colours. 6 year warranty.

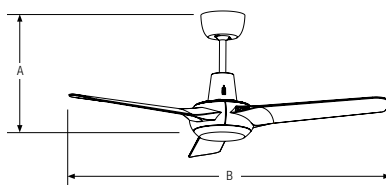
SPINIKA 4 BLADE	Sweep Dia. (mm)	Fan Speed	Fan Rotation (RPM)	Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
	1220	Economy	100	84	20	White	SPIN1204WH
		Medium	160	133	23	Titanium	SPN1204TI
		High	220	208	60		
		3 Speed Remote Controller					
	1300	Economy	100	108	20	White	SPIN1304WH
		Medium	160	174	38	Titanium	SPN1304TI
		High	220	250	65		
3 Speed Remote Controller						SPNRFR	

SPINIKA 4 BLADE with LED	Sweep Dia. (mm)	LED (W)	Output (lm)	Fan Speed	Fan Rotation (RPM)	Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
	1220	20	2050	Economy	100	101	20	White	SPIN1204WH-L
				Medium	160	167	23	Titanium	SPIN1204TI-L
				High	220	210	60	Black	SPN1204BL-L
	3 Speed Remote Controller								SPNRFR
	1300	20	2050	Economy	100	105	20	Titanium	SPN1304TI-L
				Medium	160	174	38	Black	SPN1304BL-L
				High	220	222	65		
	3 Speed Remote Controller								SPNRFR

SPINIKA 4 BLADE ACCESSORIES	Description	Order Code		
		Satin White	Titanium	Matte Black
	Extension Rods 600mm	SPNEXTR60WH	-	SPNEXTR60BL
	Extension Rods 900mm	SPNEXTR90WH	-	SPNEXTR90BL
	Extension Rod Joiner Kits	SPJKWH	SPJKTI	SPJKBL
	J-Hook Hanging Packs	SPYJHWH	SPYJHTI	SPYJHBL

Dimensions (mm)

Model	A	B
SPN1204	360	1220
SPN1204-L	392	1220
SPN1304	360	1300
SPN1304-L	392	1300



STANZA ceiling fans features True-spin Technology™ and is the latest development in ceiling fan motor engineering. The precision moulded glass fibre composite blades for increased stability and higher airflow, are individually balance tested and quality checked for trouble free operation. A pre-selected speed ECO switch setting allows the fan to run at a reduced running cost whilst maintaining adequate air circulation, which is also suitable for gentle heat circulation in winter. Available with or without B22 light fitting. Ceiling fans are 220-240V AC, 50Hz operated and come complete with ECO airflow function. Suitable for indoor and covered outdoor areas. 4 year warranty.

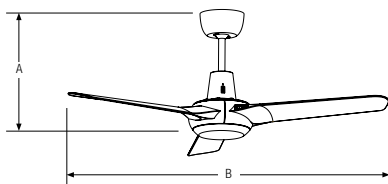
STANZA 3 BLADE	Sweep Dia. (mm)	Fan Speed	Fan Rotation (RPM)	Max Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
	1220	Economy	105	108	17	White	STA1203WH
		Medium	150	154	35		
		High	190	195	55		
		3 Speed Remote Controller					STARFR48

STANZA 3 BLADE with LIGHT	Sweep Dia. (mm)	Light Type	Light Wattage (W)	Fan Rotation (RPM)	Max Air Delivery (m³/min)	Wattage (W)	Colour	Order Code
	1220	B22 Lamp Holder	2 x 15W	105	108	17	White	STA1203WH-L
				150	154	35		
				190	195	55		
				3 Speed Remote Controller				

STANZA 3 BLADE ACCESSORIES	Description	Order Code		
		Satin White	Titanium	Matte Black
	600mm	SPNEXTR60WH	SPNEXTR60TI	SPNEXTR60BL
	900mm	SPNEXTR90WH	SPNEXTR90TI	SPNEXTR90BL
	Extension Rod Joiner Kits	SPJKWH	SPJKTI	SPJKBL
	J-Hook Hanging Packs	SPYJHWH	SPYJHTI	SPYJHBL

Dimensions (mm)

Model	A	B
STA1203	349	1220
STA1203-L	399	1220



SEATTLE DC ceiling fans are the latest in energy saving DC technology using up to 50-75% less power than comparable AC operated fans with similar performance levels. All fans incorporate precision moulded ABS blades which are pre-balanced for smoother, quieter performance. Reversible function is available on the 5-speed remote controller with timer included. Fans are 220-240V AC, 50Hz operated and come complete with ECO airflow function. Suitable for indoor and covered outdoor areas. 6 year warranty.

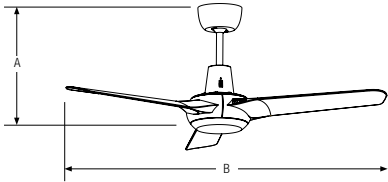
SEATTLE DC 3 BLADE	Sweep Dia. (mm)	Fan Speed	Fan Rotation (RPM)	Wattage (W)	Colour	Order Code
	1400	1	86	5-38	Light Oak	SEA1403LO-DC
		2	120			
		3	161			
		4	186			
		5	206			

ACCESSORIES	Description	Fan	Colour	Order Code
	Extension Rods - 900mm	Seattle DC	Black	SEAWASXR90-BL



Dimensions (mm)

Model	A	B
ROY1304-DC	335	1320
ROY1304L-DC	373	1320
SEA1403	385	1400



MALIBU IP55 ceiling fan is designed specifically for outdoor and coastal applications. Incorporating four durable moulded ABS blades and a premium long life motor. This fan is engineered for large area air circulation, providing up to 50% more air circulation than timber blade fans.

NATIONAL ceiling fan is designed specifically for covered outdoor and coastal area applications. Incorporating four 316 stainless steel marine grade blades and a premium long life ball bearing motor, this fan provides excellent air circulation and cooling.

Fans are 220-240V AC, 50Hz operated. 6 year warranty.

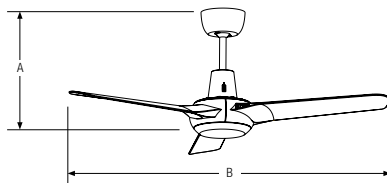
MALIBU IP55 4 BLADE	Sweep Dia. (mm)	Fan Speed	Fan Rotation (RPM)	Wattage (W)	Colour	Order Code
	1320	1	104	100	Titanium	MAL1404TI
		2	161			
		3	255			
		3 Speed Remote Controller with 1-9 hr Timer Function				

NATIONAL 4 BLADE	Sweep Dia. (mm)	Fan Speed	Fan Rotation (RPM)	Wattage (W)	Colour	Order Code
	1320	1	80	75	Stainless Steel	Z524EXTSS
		2	130			
		3	230			
	3 Speed Remote Controller					VRFR

ACCESSORIES	Description	Fan	Colour	Order Code
	Extension Rods - 900mm	Malibu IP55	Titanium	HRMXR90-TI
		National	Stainless Steel	VEXRS316900

Dimensions (mm)

Model	A	B
MAR1305	308	1320
MAR1305-L	375	1320
MAL1404	355	1320
Z524	340	1320



ZEPHYR II is a wall mounted 3 speed cooling fan with an oscillating and tilt adjustable head to help cool the whole room. Remote operated models have wind, breeze and sleep modes as well as a 0.5hr - 7.5hr timer. 1 year warranty.

ZEPHYR II WALL MOUNT FAN	Fan Size (mm)	Grille Size (mm)	Wattage (W)	Fan Mode	Fan Rotation (RPM)	Colour	Switching	Order Code
	400	450	65	Sleep Breeze Wind	950 1150 1300	White	Pull Cord	ZEP40PC
							Remote	ZEP40R

Wall Cooling Fans are heavy duty fans with oscillating and tilt adjustable heads. New anti-vibration patented blade design ensures that high airflows are delivered at a very low noise level. Pedestal fans also feature an adjustable head height. 2 year warranty.

WALL COOLING FAN	Fan Size (mm)	Grille Size (mm)	Wattage (W)	Fan Mode	Fan Rotation (RPM)	Colour	Switching	Order Code
	450	515	160	1 2 3	1100 1300 1400	Black	Pull Cord	WAL45-DC
	750	815	130	1 2 3 4 5 6	600 700 800 900 1000 1035	Black	Six Speed Remote Control	WAL75-DC



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MANROSE®
DESIGNER SERIES

TERRAZZA

INSTANT RADIANT HEATER



Projected
BATHROOM HEAT

Instant Radiant Heat

- Suited to bathroom installations
- Instant projected heat
- 5m² heating area

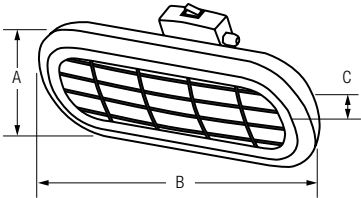
Instant Radiant Heaters

Enjoy instant summer warmth in your bathroom with the Manrose Terrazza 1000W radiant heater. A heating area of 5m² is delivered by a low-glare amber halogen lamp and reflector technology.

TERRAZZA - Indoor/Outdoor	Heater Wattage (W)	Lamp	Colour	Order Code
	1000	Halogen	Black	FAN7046
TERRAZZA - Outdoors	Heater Wattage (W)	Lamp	Colour	Order Code
	2000	Halogen	Black	FAN7047

Dimensions (mm)

Model	A	B	C	
			(no bracket)	(with bracket)
TERRAZZA	190	460	113	220



Heating Products

Technical

Model	TERRAZZA
Supply	220-240V AC, 50Hz
Grille	Stainless Steel 304
Housing	Powder-coated black aluminium
IP Rating	IP65
Weight	2.6kg
Warranty	2 years



Towel Heaters - High Output

High-output 250W bathroom towel rail and heater. High-quality steel construction with a chrome or white finish available. Highly consistent heat distribution across a room. Can be mounted with cable entry on the left or right. Power supply lead included. Complete fitting set supplied. 5 year warranty.

TOWEL HEATER	Wattage (W)	Colour	Order Code
	250	White	FAN6937
		Chrome	FAN6938



HEATED ELEGANCE

TOWEL HEATERS

HIGH OUTPUT



FAN6937



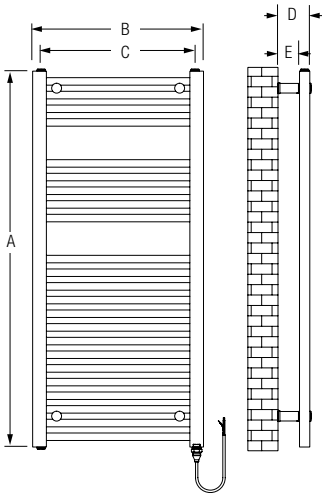
FAN6938

Elegant Heat

- Stylish with high quality chrome or white finish on steel
- High output 250W heating

Dimensions (mm)

A	B	C	D	E
1100	500	450	93-108	63-78



Heater-Fan-Light Systems

Heater-Fan-Light systems utilise a combination of extraction fans and fan heaters, making them more effective at warming the air within a bathroom. Select models use highly efficient self-regulating PTC heaters.

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	1080	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.

* See page 75 for dimensions and technical information.



Heat-Fan-Light and Heat-Light Systems

Heat-Fan-Light Systems

Ventair Heatforce DC Boost	Duct (mm)	Fan Type	Total Watts (W)	Free Air Fan Performance		Heat Lamp	Fascia	Order Code
				(l/s)	(m³/hr)			
	150	Centrifugal	610	22/112	80/403	2x 275W	White	HEA2W-B
	150	Centrifugal	1160	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	80	84	303	4 x 275W	White	FAN6882
								Silver	FAN6883
	125	Centrifugal	588	71	75	270	2 x 275W	White	FAN6880
								Silver	FAN6881

Heat n' Vent 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	1180	83	60	216	4 x 275W	White	FAN0995
	125	Centrifugal	635	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.

* See page 77 for dimensions and technical information.



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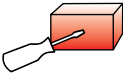
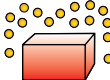
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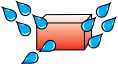
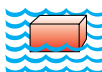


IP Ratings

Protection Against Solids

IP	TEST
0	Non-protected
1	Solid objects over 50mm (e.g. accidental touch by hands) 
2	Solid objects over 12mm (e.g. fingers) 
3	Solid objects over 2.5mm (e.g. tools and wires) 
4	Solid objects over 1mm 
5	Dust that could interfere with satisfactory operation 
6	No ingress of dust 

Protection Against Liquids

IP	TEST
0	Non-protected
1	Vertically falling drops of water (e.g. condensation) 
2	Direct sprays of water up to 15° from vertical 
3	Sprays of water up to 60° from vertical 
4	Water splashed from all directions 
5	Low pressure jets of water from all directions 
6	Strong jets of water 
7	Effects of temporary water immersion between 15cm-1m 

IK Ratings - Protection Against Impact

01	7.5cm  200g 0.15 Joule Impact
02	10cm  200g 0.20 Joule Impact
03	17.5cm  200g 0.35 Joule Impact
04	25cm  200g 0.50 Joule Impact
05	35cm  500g 0.7 Joule Impact

06	40cm  250g 1 Joule Impact
07	40cm  500g 2 Joule Impact
08	30cm  1.7kg 5 Joule Impact
09	20cm  5kg 10 Joule Impact
10	40cm  5kg 20 Joule Impact



PIR Sensors

SENSING EXCELLENCE

PRO SERIES



Smart Sense PRO 180°



Detection	Range (Max.)	Time On Adjustable	D Mode	Manual Override	Max. Switching	Colour	Product Code
180° Forward	12m (radius)	2 sec - 15 min	Yes	Yes	2000W (Resistive)	Black	LHT1205
					400W (LED)	White	LHT1206

- Zero-cross Switching to Suppress in-rush current
- Easy manual override
- PIR or Daylight Switch Selector (D-mode)
- Pulse mode
- Dusk learn function

Trinity PRO 220°

Scrolling red LED for prowler deterrence



Detection	Range (Max.)	Time On Adjustable	D Mode	Manual Override	Timer Mode	Sensitivity Adjustable	Max. Switching	Colour	Product Code
220° Forward	12m (radius)	2 sec - 15 min	Yes	Yes	1-3 hrs	Yes	2000W (Resistive)	Black	LHT1207
							600W (LED)	White	LHT1208

- Zero cross Switching to suppress in-rush current
- Auto sensor, manual and timer modes
- PIR or Daylight Switch Selector (D-mode)
- Pulse mode
- Dusk learn function

Lighting
and Sensors

PRO Series General Information

Mounting	Housing	Pulse Mode	Zero Cross Switching	Dusk Learn Function	IP Rating	Safety	Warranty
Wall or Ceiling	UV-stabilised Polycarbonate	Yes	Yes	Yes	IP55	IK07	3 years



PIR Sensors

Smart Sense 180°



Detection	Range	Time On Adjustable	Dusk Control	Manual Override	Max. Switching	Colour	Product Code
180° Forward	12m	5 sec - 15 min	Yes	Yes	2000W (Resistive) 400W (LED)	Black	LHT0119
						White	LHT0120

- Flat TPS power gasket for easy installation
- Zero cross switching to suppress in-rush current
- 400W LED switching
- Manual override capable

General Information

Mounting	Housing	IP Rating	Safety	Warranty
Wall or ceiling	UV-stabilised polycarbonate	IP55	Class II	3 years

Smart Sense 360°

Surface or Recess Mount



Detection	Range	High Occupancy Zone	Time On Adjustable	Dusk Control	Manual Override	Max. Switching	Colour	Product Code
360° Downward	22m (dia) Adjustable	6m	10 sec - 40 min	Yes	Yes	2000W (Resistive) 300W (LED)	White	LHT0179

- Triple PIR for extra wide 22 metre detection
- All-in-one surface or recess mount
- Occupancy detection high/low sensing zones

General Information

Cut Out for Recessing	Mounting	Safety	IP Rating	Warranty
82mm - 88mm Ø	Surface or recess	Class II	IP44	3 years

Smart Sense 360° Accessories

Description	Product Code
Replacement Mounting Accessory Pack for LHT0179	LHT0417



PIR Sensors

DECOSENSE 360° 8mtr NEW

Recess and Surface Dual Mount



Detection	Range (Max.)	Time On Adjustable	Zero Cross Switching	Manual Override	Max. Switching	Colour	Product Code
360° Downward	8m (dia)	2 sec - 30 min	Yes	Yes	2000W (Resistive) 400W (LED)	White	LHT2142

- Recess and Surface mount solution-in-one
- Zero-cross switching for in-rush current suppression
- Easy manual override
- PIR or Dusk to Dawn mode
- Pulse mode
- Dusk learn function

General Information

Mounting	Housing	Pulse Mode	Dusk to Dawn Mode	Dusk Learn Function	IP Rating	Safety	Warranty
Recess/ Surface	UV-stabilised Polycarbonate	Yes	Yes	Yes	IP44	IK07	3 years

DECOSENSE MINI 360° NEW

Recess Mount



Detection	Range (Max.)	Time On Adjustable	Lux Control	Manual Override	Max. Switching	Colour	Product Code
360° Downward	6m (dia)	10 sec - 30 min	Adjustable daylight to night 2-2000lux	Yes	1000W (Resistive) 150W (LED)	White	LHT1240
						Black	LHT1250

- Discreet flat-lens sensor
- All-in-one, no remote gear
- Manual override capable

General Information

Dimensions Ø x D (mm)	Cut-out Dia	Housing	Mounting	IP Rating	Safety	Warranty
54 x 70	Ø40mm	UV-stabilised Polycarbonate	Recess	IP54	Class II	3 years



PIR Sensors / Microwave Sensor

DECOSENSE APEX NEW

Surface-mount



Detection	Range (Max.)	Time On Adjustable	Mounting Heights	Manual Override	Max. Switching	Colour	Product Code
360° Downward	28m (dia)	5 sec - 90 min	Up to 20m	Yes (8hr default)	2000W (Resistive) 300W (LED)	White	LHT1252

- Supports conduit through-wiring
- Mounting heights up to 20 metres
- Easy setup and adjustment via SmartLife App

General Information

Dimensions Ø x D (mm)	Conduit Cut-out Dia	Housing	Mounting	IP Rating	IK Rating	Safety	Warranty
Ø119 x 78.5	Ø16mm Ø20mm Ø25mm	UV-stabilised Polycarbonate	Surface	IP65	IK07	Class II	3 years

Micro Sense 360°



Detection	Range	Time On	Dusk Control	Max. Switching	Detection Frequency	Colour	Product Code
360° Downward	4-20m (dia)	10 sec - 12 min	Yes	800W (Resistive) 200W (LED)	5.8GHz CW Radar ISM Band	White	LHT1147
				1200W (Resistive) 200W (LED)			LHT1176

General Information

Model	Transmission Power	Mounting	Dimensions	IP Rating	Warranty
LHT1147	< 10mW	Surface	Ø115 x 25mm	IP40	3 Years
LHT1176			Ø116 x 50mm	IP65	



PIR Sensors

Basic 360°

ESYLUX•



Detection	Type	Range	Time On Adjustable	Manual Override	Max. Switching	Supply	IP Rating	Colour	Product Code
360° Downward	Motion	8m	15 sec - 30 min	Yes	2300W (Resistive) 600W (LED)	230V AC	IP40	White	EB10430404
		230V AC				IP54	EB10431340		
		230V AC				IP40	EB10430848		
		230V AC				IP54	EB10431333		
	Presence	8m				230V AC	IP40		EB10430411
						230V AC	IP54		EB10431302
		24m				KNX	IP40		EB10430442
						230V AC	IP40		EB10430855
						230V AC	IP54		EB10431289

- Zero-cross switching to protect relays
- Suitable for immediate operational readiness

General Information

Model (Range)	Dimensions Ø x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
8m	101 x 33	UV stabilised polycarbonate	Surface	Class II	IP40	5 years
	101 x 50				IP54	
24m	101 x 53				IP40	
	101 x 73				IP54	

Basic Express 360° **NEW**

ESYLUX•

Lighting
and Sensors



Detection	Type	Range	Time On Adjustable	Manual Override	Max. Switching	Supply	IP Rating	Colour	Product Code
360° Downward	Motion	8m	15 sec - 30 min	Yes	2300W (Resistive) 600W (LED)	230V AC	IP23	White	EB10431777
	Presence					230V AC	IP23		EB10431784

- Zero-cross switching to protect relays
- Dedicated Surface Mount housing
- Requires ESY-PEN or PDI/MDI for programming

General Information

Model (Range)	Cut-Out for Recessing (mm)	Housing	Surface	Safety	IP Rating	Warranty
8m	Ø62	UV stabilised polycarbonate	Recessed	Class II	IP23	5 years



PIR Sensors

Defensor

ESYLUX



Detection (Adjustable)	Range	Time On Adjustable	Max. Switching	Supply	Colour	Product Code
230° (2 x 115°)	Ø 40m (Diagonal)	1 min - 240 min	2300W (Resistive) 600W (LED)	230V AC	Anthracite	EM10025389
					White	EM10025372
280° (3 x 95°)					Anthracite	EM10025402
					White	EM10025396

- Time dependent operating modes
- Run-on time based on direction of movement
- Intelligent protection against vandalism and sabotage
- Zero cross switching to protect relays

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Operating Temperature	Safety	IP Rating	Warranty
107.5 x 92 x 138	UV-stabilised polycarbonate	Wall or ceiling	-25°C - 50°C	Class II	IP55	5 years

Defensor Programming Tool and Accessories

Description	Product Code	Description	Product Code
Program Tool ESY-PEN	EP10425356	Program Tool - Defensor	EM10025501
Corner Bracket - Anthracite	EM10025457	Spacer Anthracite	EM10025433
Corner Bracket - White	EM10025419	Spacer White	EM10025426
User Remote - Defensor	EM10025495		

Defensor Twilight Switch

ESYLUX



Ambient Light Detection	Max. Switching	Supply	Colour	Timer	Product Code
2-500 Lux	2300W (Resistive) 600W (LED)	230V AC	White	Yes	ED10025464
				No	ED10025471

- With 2 time-dependent operating modes
- Zero cross switching
- Robust housing

Defensor Twilight Switch Accessories

Description	Product Code
Corner Bracket - White	EM10025419

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Operating Temperature	Safety	IP Rating	Impact Protection	Warranty
107.5 x 92 x 46	UV-stabilised polycarbonate	Wall	-25°C - 50°C	Class II	IP55	IK07	5 years



PIR Sensors

RC 230i PIR

ESYLUX®



Detection (Adjustable)	Range	Anti-creep Protection	Time On Adjustable	Dusk Control	Max. Switching	Supply	Colour	Product Code
230° (2 x 115°)	Ø 40m (Diagonal)	360°	15 sec - 30 min	2-2500 Lux Adjustment	2300W (Resistive) 600W (LED)	230V AC	White	EM10015311
							Black	EM10015519
						12-36V AC/DC	White	EM10015649
			30 sec - 30 min			KNX	White	EM10015472
						KNX	Black	EM10015489

- 360° anti-creep alert
- Robust ceiling/wall pivot
- KNX enabled option

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Operating Temperature	Safety			IP Rating	Warranty
				230V AC	12-36V AC/DC	KNX		
105 x 78 x 135	UV-stabilised polycarbonate	Wall or ceiling	-25°C - 55°C	Class II		Class III	IP54	5 years

RC 230i Accessories

Description	Product Code
Corner Bracket - Black	EM10016134
Corner Bracket - White	EM10016110
Remote Control Mobil - RCi (user remote)	EM10016004
Remote Control Mobil - PDI/MDi	EM10425509

MD-W 200°

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Detection (Adjustable)	Range	Time On Adjustable	Dusk Control	Max. Switching	Colour	Product Code
200° (2 x 100°)	12m	15 sec - 16 min	2-2000 Lux Adjustment	2300W (Resistive) 600W (LED)	White	EM10041006
					Black	EM10041020

- Blends in harmoniously with the design of outer façades
- Optimised for controlling LED lights in outdoor areas
- Individual fields of detection for two zones

General Information

Dimensions Ø x D (mm)	Housing	Mounting	Operating Temperature	Safety	IP Rating	Warranty
110 x 55	UV-stabilised polycarbonate	Wall	-25°C - 55°C	Class II	IP55	5 years

MD-W 200° Accessories

Description	Product Code
Alternate Cover Accessory - Silver	EM10041129



PIR Sensors

Compact Mini 360°

ESYLUX®



Detection	Type	Range	Switching	Supply	IP Rating	Time On Adjustable	Product Code
360° Downward	Motion	6m	ON/OFF	12-36V AC/DC	IP65	1-15 min	EP10425776
				230V AC	IP65	1-15 min	EP10425851
		8m	ON/OFF	230V AC	IP55	1-15 min	EP10426001
		12m	ON/OFF	230V AC	IP55	1-15 min	EP10426018
	Presence	8m	ON/OFF - DIM	12-36V AC/DC	IP55	1-60 min	EP10427343
		6m	ON/OFF	230V AC	IP65	1-15 min	EP10425868
		8m	ON/OFF	230V AC	IP55	1-15 min	EP10426025
		12m	ON/OFF	230V AC	IP55	1-15 min	EP10426032
		8m	Slave	230V AC	IP55	-	EP10426063
		6m	ON/OFF - DIM	DALI	IP55	1-240 min	EP10427503
		8m	ON/OFF - DIM	DALI	IP55	1-240 min	EP10427510
		8m	BMS	DALI-2	IP55	-	EP10423048
		8m	ON/OFF - DIM	KNX	IP55	1-240 min	EP10426155
		12m	ON/OFF - DIM	KNX	IP55	1-240 min	EP10426162
		8m	BMS	DALI-2	IP55	-	EP10423246
		8m	ON/OFF - DIM	KNX	IP55	1-720 min	EP10426209

- Quality small trimless sensor
- Extremely compact design suitable for control of LED lights
- Switching delay to prevent switching from temporary brightness variations

General Information

Model	Cut Out Size (Ø mm)	Mounting	Housing	Safety	Warranty
6m	20	Recess	UV-stabilised polycarbonate	Class II (DALI Class III)	5 years
8m	25				
12m	25				

Compact Mini Accessories

Description	Product Code
Remote Control Mobil - PDI/MDi	EM10425509
Remote Control Mobil - PDI/DALI	EP10425899
Remote Control Esy - PEN	EP10425356
DALI Power Supply - 200mA	EC10430008
DALI Switch - for non-DALI devices	EP10427473



PIR Sensors

Flat 360°

ESYLUX®



Detection	Type	Range	Switching	Supply	Time On Adjustable	Fascia	Colour	Product Code
360° Downward	Motion	8m	ON/OFF	230V AC	1-30 min	Round	White	EP10427886
							Black	EP10428074
						Square	White	EP10427893
							Black	EP10428081
	Presence	8m	ON/OFF	230V AC	1-30 min	Round	White	EP10427930
							Black	EP10427954
						Square	White	EP10427923
							Black	EP10427947
			ON/OFF - DIM	DALI	1-240 min	Round	White	EP10427541
							Black	EP10427916
						Square	White	EP10427558
							Black	EP10427909
			BMS	DALI-2	-	Round	White	EP10423031
						Square	White	EP10423024
			ON/OFF - DIM	KNX	1-240 min	Round	Black	EP10451768
							White	EP10451706
						Square	Black	EP10451775
							White	EP10451713

- Elegant flat body design
- Zero-cross switching to protect relays
- 600W LED switching (max)

General Information

Model	Cut Out Size (Ø mm)	Mounting	Housing	Safety	IP Rating	Warranty
Round	60	Recess or Surface	UV-stabilised polycarbonate	Class II DALI Class III	IP20	5 years
Square	60					

Flat Accessories

Description	Outer Dimension	Colour	Product Code
Recess Mount Kit			EP10426889
Surface Mount Kit - IP54 (Oversize trim required)		White	EP10425905
		Black	EP10426940
Remote Control Mobil - PDi/MDi			EM10425509
Remote Control Mobil - PDi/DALI			EP10425899
DALI Power Supply - 200mA			EC10430008
Remote Control ESY-PEN			EP10425356
Oversize Trims (cover only) required for surface mount options	Ø 104mm	Round White	EP10428579
	Ø 104mm	Round Black	EP10428098



PIR Sensors

Compact 360°

ESYLUX®



Detection	Type	Range	Switching	Supply	Switching Channels	Time On Adjustable	Manual Override	Product Code
360° Downward	Motion	8m	ON/OFF	230V AC	1	1-15 min	Yes	EP10055393
		24m	ON/OFF	230V AC	1	1-15 min	Yes	EP10055317
		32m	ON/OFF	230V AC	1	1-15 min	Yes	EP10427749
			Corridor	230V AC	1	1-30 min	Yes	EP10428128
	Presence	8m	SW/DIM	12-36V AC/DC	1	1-60 min	Yes	EP10427312
			ON/OFF	230V AC	1	1-15 min	Yes	EP10425059
			Slave	230V AC	1	1-30 min	Yes	EP10055379
			ON/OFF	230V AC	2	1-15 min	Yes	EP10425042
			DALI Broadcast	230V AC	4	1-240 min	Yes	EP10427442
			KNX	29-31V DC	3	1-240 min	Yes	EP10427404
			SW/DIM	12-36V AC/DC	1	1-30 min	Yes	EP10427329
			ON/OFF	230V AC	1	1-30 min	Yes	EP10428067
		24m	1-10V DIM	230V AC	1	1-30 min	Yes	EP10426704
			Slave	230V AC	1	1-15 min	Yes	EP10055386
			ON/OFF	230V AC	2	1-30 min	Yes	EP10425288
					3	1-30 min	Yes	EP10426803
			DALI Broadcast	230V AC	4	1-240 min	Yes	EP10428791
			KNX	29-31V DC	3	1-240 min	Yes	EP10427428
			ON/OFF	230V AC	1	1-30 min	Yes	EP10427756
			ON/OFF	230V AC	2	1-30 min	Yes	EP10427763
		32m	Slave	230V AC	1	1-15 min	Yes	EP10427770
			DALI Broadcast	230V AC	4	1-240 min	Yes	EP10427787
			Corridor	230V AC	1	1-30 min	Yes	EP10428180
			KNX	29-31V DC	3	1-240 min	Yes	EP10427794
		32m x 4m	1-10V DIM	230V AC	2	1-30 min	Yes	EP10425783

- All DALI Broadcast sensors have integral 100mA power supply
- 600W LED switching (max)

General Information

Model	Dimensions Ø x D (mm)	Cut Out Size (Ø mm)	Mounting	Housing	Safety	IP Rating	Warranty
8m	108 x 62	68	Recess or Surface	UV-stabilised polycarbonate	Class II	IP20 - Recess mount IP54 - Surface mount	5 years
24m / 32m	108 x 70						
32m x 4m	108 x 70						

Compact Accessories

Description	Product Code	Description	Product Code	Description	Product Code
Surface Mount Kit - IP54	White EP10425905	8m	Black EP00007521	DALI Power Supply - 200mA	EC10430008
	Black EP10426940		Silver EP10425936		
	Silver EP10425912	24m/32m	Black EP00007491	Remote Control	PDi/MDi EM10425509
Recess Mount Kit	EP10425929		Silver EP10425431	PDi/DALI	EP10425899
Basket Guard - IK10	EM10425608	IP54 Surface Mount Box for side-conduit entry	White EP10426216	Esy-PEN	EP10425356
			Black EP10427091		



DALI-2 TAKES YOU TO THE FUTURE

OUR STANDARD FOR ALL OPTIONS

Compact DALI-2 360°

ESYLUX®


Detection	Type	Range	Switching	Supply	Switching Channels	Push Button Inputs	Manual Override	Product Code
360° Downward	Presence	8m	BMS	DALI-2 BUS	1	2	Yes	EP10428203
			APC10	230V AC	16 plus HVAC	4	Yes	EP10428142
			APC20	230V AC	16 plus HVAC	4	Yes	EP10428272
			APC30	230V AC	16 plus HVAC	4	Yes	EP10428296
		24m	BMS	DALI-2 BUS	1	2	Yes	EP10428210
			APC10	230V AC	16 plus HVAC	4	Yes	EP10428159
			APC20	230V AC	16 plus HVAC	4	Yes	EP10428111
			APC30	230V AC	16 plus HVAC	4	Yes	EP10428302
		32m	BMS	DALI-2 BUS	1	2	Yes	EP10424885
			APC10	230V AC	16 plus HVAC	4	Yes	EP10428265
			APC20	230V AC	16 plus HVAC	4	Yes	EP10428289
			APC30	230V AC	16 plus HVAC	4	Yes	EP10428319
	Motion Detector	40m	BMS	DALI-2 BUS	1	2	Yes	EP10429019

- All APC sensors include integral 250mA power supply and Application Controller
- BMS sensors are used as slave devices of APC or as standard sensors for other DALI-2 systems
- APC20 includes timer and central functions
- APC30 is dedicated to tunable white and HCL systems

DALI-2 Accessories

Description		Product Code
DIN-mount Smart Controller	APC10	EP10431876
	APC20	EP10431883
	APC30	EP10431890
Ethernet Link	APC	EP10427695
Expander PS	25mA	EP10429927
	200mA	EP10429934
Repeater	150mA	EP10431371
Actuator	8A	EP10427398

DALI-2 Wall Switches

Description	Product Code
2 - Button	EP10431609
4 - Button	EP10431616
6 - Button	EP10431623
8 - Button	EP10431630



PIR Sensors

Dual Technology 180°/360°

ESYLUX®



Detection	Type	Switching Channels	Supply	Range	Run On Time	Colour	Product Code
360° Downward	Motion	1	230V AC	8m	1-30 min	White	EP10425875
	Presence	1	230V AC	8m	1-30 min	White	EP10425882
180° Horizontal	Presence	1	230V AC	8m x 16m	15 sec-30 min	-	EM10055010
		3	KNX	8m x 16m	1-60 min	-	EP10426445
		3	KNX with touch-sensitive lens	8m x 16m	30 sec-60 min	-	EP10460104

- PIR + Acoustic sensor for reliable switching in complex layouts
- 600W LED switching max

General Information

Model	Dimensions	Housing	Mounting	Safety	IP Rating	Warranty
	Ø x D(mm) / H x W x D(mm)					
180°	70 x 70 x 55	UV-stabilised polycarbonate	Wall	Class III	IP20 - Recess mount IP44 - Cover & surface mount	5 years
360°	108 x 62		Ceiling	Class II	IP20 - Recess mount IP54 - Surface mount	

Corridor 180°

ESYLUX®



Detection	Type	Switching Channels	Range	Run On Time	Control Switching	Colour	Product Code
180° Horizontal	Presence	2	8m x 16m	1-60 min	230V AC	-	EM10410017
		1		1-120 min	12-36V AC/DC	-	EP10427305
		2		1-60 min	KNX	-	EP10426452
		-		-	Slave	-	EM10410024
		-		-	DALI-2 BMS	-	EB10432101
	Motion	1		-	230V AC	-	EB10430459

- HVAC switching options
- 600W LED switching max (230V)
- Pet-avoidance lens included

General Information

Dimensions H x W x D (mm)	Cut Out Size (Ø mm)	Housing	Mounting	Safety	IP Rating	Warranty
70 x 70 x 55	60	UV-stabilised polycarbonate	Wall	Class II (KNX Class III)	IP20 - Recess mount IP44 - Surface mount	5 years

Dual Technology 180°/360° Accessories

Model	Description	Product Code	Description	Product Code
180°	Cover - IP20 White	EM10055102	180° Remote Control Mobil - PDi/MDi	EM10425509
	Cover - IP20 Anthracite	EM10055133	360° Surface Mount Kit - IP54	EP10425905
	Cover - IP44 White	EM10055157	360° Recess Mount Kit	EP10425929
	Surface Box - IP44 White	EM10055164	360° Remote Control Mobil - PDi/MDi	EM10425509



Interior Office Lighting

SVENJA Ceiling Lights NEW

ESYLUX



Size	LED Colour	Wattage	Luminous Flux	SDCM	Control System	Product Code
Ø450 x 45mm	3000K	30W	3300 lm	2	ON/OFF	E010850592
	3000K		3300 lm	2	DALI-2	E010850608
	4000K		3400 lm	2	ON/OFF	E010850615
	4000K		3400 lm	2	DALI-2	E010850622
	2700-6500K		3400 lm	2	DALI-2	E010850585
Ø600 x 45mm	3000K	48W	5600 lm	2	DALI-2	E010850646
	4000K		5600 lm	2	DALI-2	E010850639
	2700-6500K		5700 lm	2	DALI-2	E010850652
Ø900 x 45mm	3000K	80W	9400 lm	2	DALI-2	E010850684
	4000K		9600 lm	2	DALI-2	E010850660
	2700-6500K	60W	7000 lm	2	DALI-2	E010850677

- High-quality LED light in a harmonious design
- Indirect light makes the luminaires appear to float under the ceiling
- Convenient two-step mounting due to the modular design

COMING SOON
Black Version

General Information

Housing	Diffuser	UGR	IP Rating	Impact Protection	Warranty
Aluminium	Opal	≤ 19	IP20	IK08	5 years

Svenja Accessories

Description	Product Code
1mtr Pole Suspension	E010850561
2mtr Wire Suspension Set	E010850578

Lighting
and Sensors





EXTERIOR DECORATIVE LIGHTING RANGE



Exterior Decorative Lighting

Lotus Up/Down Lights NEW



Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
9W	2700K	550 lm	Black	Standard	LHT1251

- Elegant design
- Wide downward beam
- Narrow upward beam

General Information

Wattage	Dimensions W x H x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
9W	180 x 140 x 65	Powder-coated cast alloy	Wall	Class I	IP54	5 years

Quartic Up/Down Lights NEW



Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
2 x 5W	2700K	1150 lm	Black	Standard	LHT1253
	2700K		White	Standard	LHT1254

- Rotatable spot heads
- Portrait and landscape mountable

General Information

Wattage	Dimensions W x H x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
2 x 5W	195 x 65 x 92	Powder-coated cast alloy	Wall	Class I	IP54	5 years



Exterior Decorative Lighting

Cubic Wall Light NEW

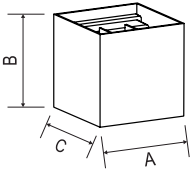
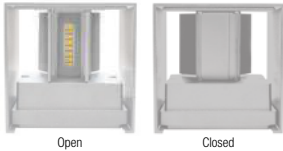
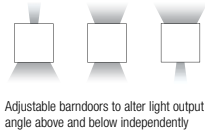


Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
2 x 5W	2700k 4000k 6500k	480 lm 530 lm 560 lm	Black	Standard	LHT1230
			White		LHT1231

- Up/down light in a compact housing
- 3-CCT colour-selectable: 2700K-6500K
- Adjustable barndoors to alter the beam angles

General Information

Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Impact Protection	Warranty
A	B	C						
100	100	100	Aluminium Body	Wall	Class I	IP65	IK08	5 years



Hawea Up/Down Lights

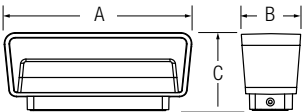


Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
7W	3000K	170 lm	Anthracite	Standard	LHT1119
			White		LHT1120
13W	3000K	600 lm	Anthracite		LHT1121
			White		LHT1122

- Extra heavy duty construction
- Up/down light output
- Residential and commercial use

General Information

Wattage	Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C					
7W	175	64	83	Powder-coated cast alloy, UV-stabilised polycarbonate	Wall	Class I	IP65	5 years
13W	248	70	115					



Exterior Decorative Lighting

Aoraki Up/Down Lights

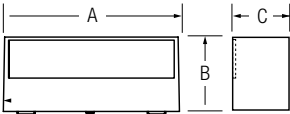


Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
2 x 8W	3000K	850 lm	Anthracite	Standard	LHT1128

- Subtle sidelight effect
- Durable, water and dustproof
- Warm white light creates a welcoming ambience

General Information

Wattage	Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C					
2 x 8W	220	70	57	Powder-coated cast alloy, UV-stabilised polycarbonate	Wall	Class I	IP65	5 years



Tarawera Up/Down Lights

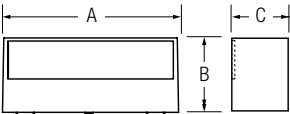


Wattage	LED Colour	Luminous Flux	Rated Life L70 B10	Colour	Switching	Product Code
2 x 3W	3000K	450 lm	>64000 hrs	Anthracite	Standard	LHT1135
2 x 7W	3000K 4000K 6500K	1000 lm				LHT1136

- Up/down light direct output
- Robust and compact construction
- Creates beautiful grazing effect on facades

General Information

Wattage	Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C					
2 x 3W	142	62	47	Powder-coated cast alloy, tempered glass	Wall	Class I	IP65	5 years
2 x 7W	220	69	45					



Exterior Decorative Lighting

Ellipse Up/Down Lights NEW



Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
9W	2700K	650 lm	Black	Standard	LHT1247
	2700K	650 lm	White	Standard	LHT1248
15W	2700K	1200 lm	Black	Standard	LHT1245
	2700K	1200 lm	White	Standard	LHT1246

- Low glare bi-symmetric output
- Excellent wall grazing of higher walls

General Information

Wattage	Dimensions W x H x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
9W	140 x 90 x 65	Powder-coated cast alloy	Wall	Class I	IP54	5 years
15W	220 x 103 x 85					

Tongariro Up/Down Light

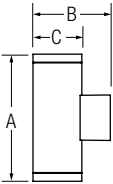


Wattage	LED Colour	Luminous Flux	Rated Life L70 B10	Colour	Switching	Product Code
2 x 6W	3000K	490 lm	>64000 hrs	Anthracite	Standard	LHT1129

- Subtle side light effect
- Durable, water and dustproof
- Excellent patio and entrance lighting

General Information

Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
A	B	C Ø					
175	94	63	Powder-coated cast alloy, UV-stabilised polycarbonate	Wall	Class I	IP65	5 years



Exterior Decorative Lighting

Ruapehu Up/Down Lights

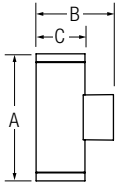


Wattage	LED Colour	Luminous Flux	Rated Life L70 B10	Colour	Switching	Product Code
2 x 6W	3000K	950 lm	>64000 hrs	Anthracite	Standard	LHT1131
				Black		LHT1177
2 x 12W		1550 lm		Anthracite		LHT1133
				Black		LHT1197

- Contemporary and robust design
- High quality optics - 38°
- Low glare direct output

General Information

Wattage	Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C Ø					
2 x 6W	178	94	63	Powder-coated cast alloy, tempered glass	Wall	Class I	IP65	5 years
2 x 12W	280	171	108					



Tutoko Up/Down Lights

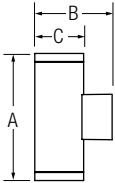


Wattage	LED Colour	Luminous Flux	Rated Life L70 B10	Colour	Switching	Product Code
2 x 6W	3000K	950 lm	>64000 hrs	Anthracite	Standard	LHT1146
				Black		LHT1180

- Modern design for modern decor
- All weather construction
- Excellent patio and entrance lighting

General Information

Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
A	B	C					
178	97	63	Powder-coated cast alloy, UV-stabilised polycarbonate	Wall	Class I	IP65	5 years



Exterior Decorative Lighting

Ruapehu Downlighters

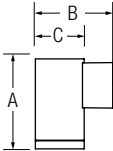


Wattage	LED Colour	Luminous Flux	Rated Life L70 B10	Colour	Switching	Product Code
7W	3000K	500 lm	>64000 hrs	Anthracite	Standard	LHT1132
				Black		LHT1178
12W		810 lm		Anthracite		LHT1134
				Black		LHT1198

- Zero uplight for clearer night skies
- Contemporary and robust design
- High quality optics - 38°

General Information

Wattage	Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C Ø					
7W	120	94	63	Powder-coated cast alloy, tempered glass	Wall	Class I	IP65	5 years
12W	190	171	108					



Tarawera Downlighter

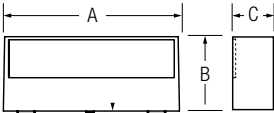


Wattage	LED Colour	Luminous Flux	Rated Life L70 B10	Colour	Switching	Product Code
12W	3000K	650 lm	>64000 hrs	Anthracite	Standard	LHT1137

- Zero uplight for clearer night skies
- Robust and compact construction
- Creates beautiful grazing effect on facades

General Information

Wattage	Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C					
12W	220	72.5	32	Powder-coated cast alloy, tempered glass	Wall	Class I	IP65	5 years



Exterior Decorative Lighting

Tutoko Downlighters

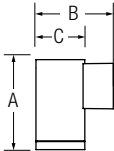


Wattage	LED Colour	Luminous Flux	Rated Life L70 B10	Colour	Switching	Product Code
7W	3000K	500 lm	>64000 hrs	Anthracite	Standard	LHT1145
				Black		LHT1179

- Zero uplight for clearer night skies
- Contemporary and robust design
- High quality optics - 38°

General Information

Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
A	B	C					
120	97	63	Powder-coated cast alloy, UV-stabilised polycarbonate	Wall	Class I	IP65	5 years



Wanaka Wall Lights

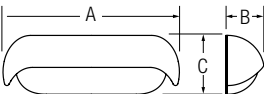


Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
13W	3000K	690 lm	Anthracite	Standard	LHT1109
			White		LHT1110

- Sleek design creating exceptional styling
- Zero frame lens
- Soft warm white output for patios and balconies

General Information

Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
A	B	C					
270	58	100	Powder-coated cast alloy, UV-stabilised polycarbonate	Wall	Class I	IP65	5 years



Exterior Decorative Lighting

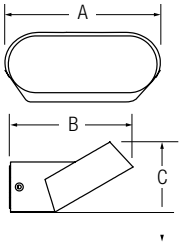
Wakatipu Wall Lights

	Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code	
	7W	3000K	235 lm	Anthracite	Standard	LHT1115	
				White		LHT1116	
	13W		360 lm	Anthracite		LHT1117	
				White		LHT1118	

- Popular European styling
- Angled face for wider coverage
- Patios and pathways in commercial and residential spaces

General Information

Wattage	Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C					
7W	180	114	65	Powder-coated cast alloy, UV-stabilised polycarbonate	Wall	Class I	IP65	5 years
13W	250	123	74					



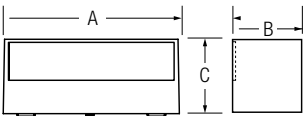
Ruakuri LED Steplights

	Wattage	LED Colour	Luminous Flux	Beam Spread	Colour	Product Code
	4W	3000K	130 lm	100 x 40°	Black	LHT1154
	10W		380 lm			LHT1155

- 0° upward light
- Flush box for solid walls included

General Information

Model	Dimensions (mm)				Housing	Mounting	Safety	IP Rating	Warranty
	A	B	C	Cut-out Size					
4W	160	66	73	153 x 58	Powder-coated cast alloy	Wall Recessed	Class I	IP65	5 years
10W	280	66	73	273 x 58					



Exterior Decorative Lighting

OL/AOL Wall Lights

ESYLUX•



Wattage	LED Colour	Luminous Flux	Beam Angle	Rated Life L70 B10	Colour	Switching	Product Code
10W	3000K	890 lm	90°	80,000 hrs	White	Standard	EL10710704
		1630lm			White	PIR	EL10750700
17W	5000K	1650 lm			White	Standard	EL10710803
					Black	Standard	EL10710117

- Designer light/opal white lens
- ON/OFF or PIR sensor

PIR Information

Detection	Range	Dusk Control	Time On Adjustable	Dusk to Dawn Mode	Recommended Height
140° Forward	12m Ø	2-2000 Lux Adjustment	5 sec - 10 min	Yes	1.8 - 3.2m

General Information

Model	Dimensions H x W x D (mm)	Housing	Mounting	IP Rating	Warranty
10W	205 x 104 x 143	Powder-coated aluminium	Wall	IP55	3 years
17W	205 x 184 x 143				

WILMA Wall Light

NEW

ESYLUX•



Shape	Wattage	LED Colour	Luminous Flux	Rated Life L70B10	Colour	Switching	Product Code
Round	9W	2CCT: 2700K 4000K	1000 lm	65000 h	Anthracite	Standard	EL10851001
				78000 h	White	Standard	EL10851018
					White	PIR	EL10851056
Oval	14W		1600 lm	65000 h	Anthracite	PIR	EL10851049
					Anthracite	Standard	EL10851025
					White	Standard	EL10851032
					Anthracite	PIR	EL10851063
					White	PIR	EL10851070

- Orientation light + After Glow function
- Dimmable to 70%

PIR Information

Detection	Range	Time On Adjustable	Dusk to Dawn Mode	Recommended Height
180° Forward	10m Ø	60 - 180 sec	Yes	1.8 - 3.2m

General Information

Model	Dimensions H x W x D (mm)	Housing	Mounting	IP Rating	IK Rating	Warranty
Round	209 x 107 x 141	Aluminium and UV-stabilised plastic	Wall	IP65	IK08	5 years
Oval	209 x 181 x 141					

Exterior Decorative Lighting

LED Washers



Model	Wattage	Luminous Flux	LED Colour	Fascia Colours	Product Code
Vertical	1.0W	50 lm	4000K	White, Black. Grey included	LHT0252
Square	1.6W	80 lm		Both White & Black trims included	LHT0253
Round	2.0W	100 lm			LHT0254
Horizontal	3.5W	180 lm			LHT0251

- Directional navigation and effect lighting
- No remote driver needed.

General Information

Model	Dimensions H x W x D (mm)	Mounting	Impact Resistance	Safety	IP Rating	Warranty
Vertical	230 x 80 x 27	Wall surface mount	IK09	Class II	IP54	3 years
Square	125 x 127 x 27					
Round	Ø 150 x 27					
Horizontal	80 x 230 x 27					

Maxi Washers



Model	Wattage	Luminous Flux	LED Colour	Fascia Colours	Product Code
Square	8W	500 lm	4000K	White	LHT0980
				Black	LHT0981

- Provides a downward light output
- No remote driver required
- Surface mount wall washer for an elegant finishing touch to exterior areas

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Impact Resistance	Safety	IP Rating	Warranty
200 x 200 x 55	ABS UV-stabilised polycarbonate	Wall surface mount	IK09	Class II	IP55	3 years



Exterior Decorative Lighting

Baron LED Bollards - 1000mm

	Wattage	LED Colour	Lens	Luminous Flux	CRI	Rated Life L70 B10	Colour	Switching	Product Code
	15W, 0.07A (running)	3000K	Bi-Symmetric (360 deg)	1500 lm	> 80	> 54,000 hrs	Black	Standard	LHT1199
								PIR	LHT1201
		4000K	Asymmetric (180 deg)	1450 lm				Standard	LHT1211
								PIR	LHT1213
			Bi-Symmetric (360 deg)	1500 lm				Standard	LHT1200
								PIR	LHT1202
			Asymmetric (180 deg)	1450 lm				Standard	LHT1212
								PIR	LHT1214

- Zero upward light for clearer night skies
- Robust construction for commercial use
- Power demand reduction through optional sensor
- High performance optics

PIR Information

Detection	Range	Time ON Adjustable
Max 120°	Max 3m radius	5 sec - 8 min (default 3 mins)

General Information

Housing (Ø 135mm)	Mounting	Operating Temperature	Safety	IP Rating	Impact Protection	Net Weight	Warranty
Die-cast Aluminium Body	Ground Mount	-20°C - 40°C	Class I	IP66	IK10	4.8 kg	5 years

Baron Bollards - 1000mm Accessories



Description	Product Code
Optional Ground Anchor - Galvanised 500mm	LHT1203

- Reliable long-life mounting
- Internal cable sleeve



Exterior Decorative Lighting

ALVA Bollards - 940mm

ESYLUX®



Wattage	Beam	LED Colour	Lens	Luminous Flux	CRI	Rated Life L70 B10	Colour	Switching	Product Code
16W	360°	3000K	Clear	1270 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820007
								DALI	EL10820205
								PIR DALI	EL10820403
		4000K	Milky	1030 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820045
								DALI	EL10820243
								PIR DALI	EL10820441
	180°	3000K	Clear	760 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820021
								DALI	EL10820229
			Milky	1050 lm	> 80	105,000 hrs	Anthracite	PIR DALI	EL10820427
								Standard	EL10820038
		4000K	Clear	810 lm	> 80	105,000 hrs	Anthracite	PIR DALI	EL10820434
								Standard	EL10820069
			Milky	620 lm	> 80	105,000 hrs	Anthracite	DALI	EL10820601
								PIR DALI	EL10820762
		4000K	Clear	810 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820922
								DALI	EL10820649
			Milky	630 lm	> 80	105,000 hrs	Anthracite	PIR DALI	EL10820809
								Standard	EL10820960
		4000K	Clear	810 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820625
								PIR DALI	EL10820946
			Milky	630 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820663
								DALI	EL10820823

- Protected against sea air
- Low glare, high output LED
- Dirt and graffiti-repellent coating
- DALI bus voltage supply integrated in bollards with PIR motion sensors
- Basic light level (orientation light) for increased safety in outdoor areas on PIR models

PIR Information

Detection	Range	Courtesy Light
140° Forward	3m	Yes

General Information

Housing (Ø 170mm)	Mounting	Operating Temperature	Safety	IP Rating	Impact Protection	Warranty
Powder-coated aluminium	Freestanding	-25°C - 40°C	Class I	IP65	IK10	5 years

ALVA Bollards - 940mm Accessories

Description	Product Code
Optional Ground Anchor - Galvanised	EL10820199
Remote PDI/DALI (PIR models only)	EP10425899



Exterior Decorative Lighting

ALVA Bollards - 700mm

ESYLUX®



Wattage	Beam	LED Colour	Lens	Luminous Flux	CRI	Rated Life L70 B10	Colour	Switching	Product Code
7W	360°	3000K	Clear	530 lm	> 80	105,000 hrs	Anthracite	Standard	EL10821134
				500 lm		70,000 hrs	Anthracite	DALI	EL10821257
			Milky	400 lm		70,000 hrs	Anthracite	DALI PIR	EL10821172
				420 lm		105,000 hrs	Anthracite	Standard	EL10821059
				420 lm		70,000 hrs	Anthracite	DALI	EL10821271
				420 lm		70,000 hrs	Anthracite	DALI PIR	EL10821189
		4000K	Clear	560 lm		105,000 hrs	Anthracite	Standard	EL10821158
				600 lm		70,000 hrs	White	Standard	EL10821141
			Milky	460 lm		105,000 hrs	Anthracite	DALI PIR	EL10821196
						105,000 hrs	Anthracite	Standard	EL10821073

General Information

Housing (Ø 100mm)	Mounting	Operating Temperature	Safety	IP Rating	Impact Protection	Warranty
Powder-coated aluminium	Free standing	-25°C - 40°C	Class I	IP65	IK10	5 years

ALVA Bollards - 700mm Accessories

Description	Product Code
Optional Ground Anchor	EL10820182
Remote Control Mobil - PDI/DALI (PIR models)	EP10425899

ALVA Bollards - 540mm

ESYLUX®



Wattage	Beam	LED Colour	Lens	Luminous Flux	CRI	Rated Life L70 B10	Colour	Switching	Product Code
16W	360°	3000K	Clear	1270 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820106
		4000K	Clear	1350 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820328
	180°	3000K	Clear	760 lm	> 80	105,000 hrs	Anthracite	Standard	EL10820687

Lighting
and Sensors

General Information

Housing (Ø 170mm)	Mounting	Operating Temperature	Safety	IP Rating	Impact Protection	Warranty
Powder-coated aluminium	Freestanding	-25°C - 40°C	Class I	IP65	IK10	5 years

ALVA Bollards - 540mm Accessories

Description	Product Code
Optional Ground Anchor - Galvanised	EL10820199



Sensor Lights & Spotlights

DECOSENSE Twinspot PIR NEW



Wattage	LED Colour	Luminous Flux	Beam Angle	LED Lifetime	Colour	Product Code
2 x 8W	3000K	2 x 750 lm	92°	TM-21, L80 <54,000 hrs	Black	LHT1236
					White	LHT1237

- Weatherproof and impact resistant
- Security illumination for domestic exterior locations, including patios and decks, paths and driveways, garages, entrances, storage units and many others

PIR Information

Detection	Range	Dusk Control	Time On Adjustable	Manual Override	Master/Slave
140° Forward	8m	Yes	2 sec - 10 min	No	No

General Information

Dimensions H x W x D (mm)	Housing	PIR Pan	Pan/Tilt	Mounting	Safety	IP Rating	Warranty
142 x 108 x 129	UV-stabilised polycarbonate	± 90°	90°/55°	Wall or ceiling	Class II	IP55	3 years

Sensor LED



Wattage	LED Colour	Luminous Flux	Beam Angle	Colour	Product Code
2 x 4W	3000K	2 x 275 lm	95°	Black	LHT1081
				White	LHT1082

- Extremely compact design
- Weatherproof and impact resistant

PIR Information

Detection	Range	Dusk Control	Time On Adjustable	Manual Override	Master/Slave
140° Forward	8m	Yes	30 sec - 6 min	No	No

General Information

Dimensions H x W x D (mm)	Housing	PIR Pan	Pan/Tilt	Mounting	Safety	IP Rating	Warranty
135 x 124 x 95	Polycarbonate	+ 90°	Yes	Wall or ceiling	Class II	IP55	3 years



Sensor Lights & Spotlights

EcoSpot ELITE NEW



Wattage	LED Colour Selections	Luminous Flux (per lamp)	Colour	Product Code
1 x 9W	3000K 4000K 6500K	550 lm 650 lm 600 lm	Black	LHT1225
2 x 8W			Black	LHT1223

- Modern styling with colour-changing LED
- Honeycomb lens included to restrict glare
- Wall mountable

General Information

Model	Dimensions H x W x D (mm)	Housing	Pan/Tilt	Mounting	Safety	IP Rating	Warranty
Single	135 x 90 x 110	Cast Alloy	Yes	Wall	Class I	IP65	3 years
Twin	140 x 100 x 102						

EcoSpot ELITE PIR NEW



Wattage	LED Colour Selections	Luminous Flux (per lamp)	Colour	Product Code
1 x 9W	3000K 4000K 6500K	550 lm 650 lm 600 lm	Black	LHT1221
2 x 8W			Black	LHT1219

- Modern styling with colour-selectable LED
- Wall mountable with integral PIR
- Easy sensor adjustment
- Honeycomb lens included to restrict glare

PIR Information

PIR switching maximum of 50W

Detection	Range	Time On Adjustable	Dusk Control	Manual Override
120°	10m	10 sec - 12 min	0-1000 Lux Adjustment	Yes

General Information

Model	Dimensions H x W x D (mm)	Housing	PIR Pan/Tilt	Mounting	Safety	IP Rating	Warranty
Single	135 x 90 x 110	Cast Alloy	Yes	Wall	Class I	IP55	3 years
Twin	140 x 100 x 102						

EcoSpot ELITE Accessories

Description	Product Code
Replacement PIR Sensor Kit	LHT1229



Sensor Lights & Spotlights

EcoSpot SELECT



Wattage	LED Colour Selections	Luminous Flux	Colour	Product Code
1 x 10W	3000K 4000K 5000K	900 lm 1000 lm 950 lm	Black	LHT1058
			White	LHT1059
2 x 10W	3000K 4000K 5000K	1800 lm 2000 lm 1900 lm	Black	LHT1056
			White	LHT1057

- Select LED colour to suit
- Innovative reflector restricts backlight spill
- Built for coastal conditions

General Information

Model	Dimensions H x W x D (mm)	Housing	Pan/Tilt	Mounting	Safety	IP Rating	Warranty
Single	135 x 105 x 160	UV-stabilised polycarbonate	Yes	Wall or ceiling	Class II	IP54	3 years
Twin	135 x 170 x 160						

EcoSpot SELECT PIR



Wattage	LED Colour Selections	Luminous Flux	Colour	Product Code
2 x 10W	3000K 4000K 5000K	2000 lm	Black	LHT1054
			White	LHT1055

- Select LED colour to suit
- Innovative reflector restricts backlight spill
- Designed for coastal conditions

PIR Information

Detection	Range	Time On Adjustable	Dusk Control	Manual Override
150°	10m	10 sec - 4 min	2-2000 Lux Adjustment	Yes

General Information

Dimensions H x W x D (mm)	Housing	PIR Pan/Tilt	Master/ Slave	Mounting	Safety	IP Rating	Warranty
200 x 170 x 160	UV-stabilised polycarbonate	Yes	No	Wall or ceiling	Class II	IP54	3 years



Sensor Lights & Spotlights

EcoSpot LED



Wattage	Luminous Flux	Beam Spread (Half intensity)	LED Colour	Colour	Product Code
1 x 8W	720 lm	120° (each lamp)	3500K	Black	LHT0246
				White	LHT0247
2 x 8W	1440 lm			Black	LHT0248
				White	LHT0249

- CREE lamp with extra wide beam optics
- Comparable to 100W PAR38 performance
- All stainless steel screws - no rusting
- Warm white LED colour to suit domestic applications

General Information

Model	Dimensions H x W x D (mm)	Housing	Pan/Tilt	Mounting	Safety	IP Rating	Warranty
1 x 8W	130 x 112 x 165	Cast alloy	Yes	Wall or ceiling	Class I	IP44	3 years
2 x 8W	130 x 220 x 165						

EcoSpot LED PIR



Detection	Range	Time On Adjustable	Dusk Control	Manual Override	Colour	Product Code
180°	12m	10 sec - 4 min	2-2000 Lux Adjustment	Yes	Black	LHT0244
					White	LHT0250

- Extra wide beam optics
- Warm white LED colour to suit domestic applications

Lamp Information

Wattage	Luminous Flux	Beam Angle	LED Colour
2 x 8W	2 x 720 lm	105° - 110°	3500K

General Information

Dimensions H x W x D (mm)	Housing	Master/Slave	PIR Pan/Tilt	Mounting	Safety	IP Rating	Warranty
220 x 200 x 150	Cast alloy	Yes	Yes	Wall or ceiling	Class I	IP65 - Sensor IP44 - Luminaire	3 years



Bulkheads and Industrial Lighting

LED Button



Description	Wattage	Luminous Flux	LED Colour	Colour	Product Code
Round	6W	480 lm	4000K	Black	LHT0255
				Silver	LHT0257
Round Bar				Black	LHT0261
				White	LHT0262
				Silver	LHT0263
Oval Bar				White	LHT0265
				Silver	LHT0266

- Compact decorative housing design
- Replaces incandescent options up to 60 watts
- Robust construction

General Information

Model	Dimensions H x W x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
Round	160 x 160 x 75	Alloy Polycarbonate Stainless steel	Universal	Class I	IP44	2 years
Oval	122 x 182 x 75					
Round Bar	160 x 160 x 80					
Oval Bar	122 x 182 x 80					

Moeraki Perimeter Wall Light



Wattage	Luminous Flux	LED COLOUR	CRI	Colour	Product Code
25W	3500 lm	3000K 4000K 5000K	≥80	Black	LHT1187

- Adjustable LED Colour to Suit
- Heavy Duty Construction
- Contemporary Architectural Design

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Safety	IP Rating	Impact Protection	Warranty
289 x 293 x 97	Aluminium Body, PC lens	Wall	Class I	IP66	IK10	5 years



Bulkheads and Industrial Lighting

Nova **NEW**



Wattage (4 settings)	Adjustable Luminous Flux	LED Colour Select	SDCM	CRI	Colour	Variant	Product Code
12-20W	1200 - 2000 lm	3000K 4000K 6500K	<3	≥80	Black	Standard	LHT1188
						Microwave	LHT1193
						Emergency	LHT1232
18-28W	1800 - 2800 lm	3000K 4000K 6500K	<3	≥80	White	Standard	LHT1189
						Microwave	LHT1194
						Emergency	LHT1233
					Black	Standard	LHT1190
						Microwave	LHT1195
						Emergency	LHT1234
					White	Standard	LHT1191
						Microwave	LHT1196
						Emergency	LHT1235

- 4-side mount conduit access points
- 4 levels of lumen adjustment and 3-CCT colour selection
- Emergency + Microwave sensor options
- Suitable for coastal conditions

Microwave Sensor Information

Detection Range Adjustable	Time On Adjustable	Light Level	Max. Switching
6 -8 mtr Ø	5sec / 1min / 3min / 10min	Dusk / Daylight	100W (LED)

LED Bulkhead Emergency Information

Luminous Flux	Spacing	Emergency Duration	Battery
235 lm	D32	2 Hours	LiFePO4 1500mAh 6.4V

General Information

Model	Dimensions H x W x D (mm)	Housing	Mounting	Safety	IP Rating	Impact Protection	Warranty
20W	308 x 308 x 70	UV stabilised Polycarbonate	Ceiling / Wall	Class II	IP66	IK10	5 years
28W	338 x 338 x 72						

NOVA Accessories

Description	Product Code
Replacement Emergency Inverter Kit	LHT1238
Replacement LiFePO4 Battery Pack Kit	LHT1239



Bulkheads and Industrial Lighting

Oyster LED



Wattage	Luminous Flux	Beam Spread (Half intensity)	LED Colour	Colour	Product Code
14W	800 lm	110°	4200K	Cream	LHT0223
20W	1150 lm	110°	4200K	Black	LHT0224

- Robust polycarbonate housing suitable for harsh environments down to -10°C
- True IP66 rated construction

General Information

Model	Dimensions Ø x H (mm)	Housing	Mounting	IP Rating	Impact Protection	Warranty
14W	300 x 100	UV-stabilised polycarbonate Stainless steel brackets	Universal	IP66	IK09	3 years
20W	350 x 100					

Tekapo Wall Lights

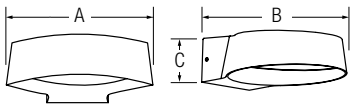


Wattage	LED Colour	Luminous Flux	Colour	Switching	Product Code
12W	3000K	900 lm	Black	Standard	LHT1113
			White		LHT1114

- Zero uplight for clearer night skies
- Suitable for both commercial and residential use
- Warm white output for reduced sky glow

General Information

Dimensions (mm)			Housing	Mounting	Safety	IP Rating	Warranty
A	B	C					
162	192	60	Powder-coated cast alloy, tempered glass	Wall	Class I	IP54	5 years



Floodlights

Atlantis Flood Lights NEW



Wattage	LED Colour	Beam Angle	Luminous Flux	Switching	Colour	Product Code
14W	2700K	47°	1750 lm	Standard	Anthracite	LHT1249

- Extra low glare control
- Unique honeycomb baffles

General Information

Dimensions W x H x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
220 x 110 x 140	Powder-coated cast alloy	Wall	Class I	IP54	5 years

OFR/AFR

ESYLUX



Wattage	LED Colour	Luminous Flux	Beam Angle	Rated Life L70 B10	Colour	Switching	Product Code
18W	5000K	1050 lm	110°	80,000 hrs	Black	Standard	EL10710216
					White		EL10710209
26W	5000K	1670 lm	110°	80,000 hrs	Black	Standard	EL10710315
					White		EL10710308

Lighting
and Sensors

- Low glare rear projection technology
- ON/OFF or PIR sensor
- Horizontal and vertical adjustment of luminaire head

General Information

Model	Dimensions H x W x D (mm)	Housing	Mounting	IP Rating	Warranty
18W Standard	195 x 128 x 140	Extruded alloy polycarbonate	Wall	IP55	3 years
18W PIR	216 x 128 x 140				
26W Standard	195 x 176 x 140				



Floodlights

Chameleon - Dimmable



Wattage	LED Colour Selections	Beam Angle	Luminous Flux	Colour	Product Code
21W	3000K 4000K 5000K	110°	130 - 1500 lm	Black	LHT1096
				White	LHT1097
Spare Part for Remote Control					LHT1108

- Select LED colour temperature to suit the application
- 8-step dimming with remote controller (included)
- Change the scene anytime
- Pairable for synchronised operation

General Information

Dimensions H x W x D (mm)	Housing	Mounting	IP Rating	Safety	Warranty
120 x 160 x 40	Aluminium alloy	Wall or ceiling	IP65	Class I	3 years

Remote Controller Information

Type	Colour Select	Dimming	Batteries
Infrared	Yes	8 Step	2 x AAA (not included)

Robo LED



Detection	Range	Time On Fixed	Colour	Product Code
270° Forward	10m (max)	3 min	Black	LHT1083

- Motorised light follows movement in the detection zone
- Setting modes for day and/or night light triggering and movement following options
- PIR sensor for system efficiency
- Easy operational set-up

Lamp Information

Wattage	Luminous Flux	Beam Angle	LED Colour
18W	1500 lm	110°	4000K

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
209 x 170 x 183	UV-stabilised polycarbonate	Wall	Class I	IP44	3 years



Floodlights

Reflect LED PIR



Detection	Range	Time On Adjustable	Dusk Control	Manual Override	Wattage	Colour	Product Code
120° Forward	10m	5 sec - 10 min	2-2000 Lux Adjustment	Yes	12W	Black	LHT0277
					20W	White	LHT0280
					26W	White	LHT0282

- Unique rear-projection technology, using a highly polished reflector to maximise light yield
- Reduces high glare issues
- Extra wide beam optics

Lamp Information

Wattage	Luminous Flux	Beam Spread	LED Colour
12W	500 lm	105°	5700K
20W	1000 lm	110°	5700K
26W	1500 lm	110°	5700K

General Information

Model	Dimensions H x W x D (mm)	Housing	Mounting	Pan/Tilt	Safety	IP Rating	Warranty
12W	122 x 98 x 111	Extruded alloy polycarbonate stainless steel brackets	Wall or ceiling	Yes	Class II	IP54	3 years
20W	122 x 170 x 111						
26W	141 x 222 x 111						

Reflect LED



Wattage	Luminous Flux	Beam Spread	LED Colour	Colour	Product Code
12W	500 lm	105°	5700K	Black	LHT0271
				White	LHT0272
20W	1000 lm	110°	5700K	Black	LHT0273
				White	LHT0274
26W	1500 lm	110°	5700K	Black	LHT0275
				White	LHT0276

- Unique rear-projection technology, highly polished reflector to maximise light yield
- Reduces high glare issues
- Extra wide beam optics

General Information

Model	Dimensions H x W x D (mm)	Housing	Mounting	Safety	IP Rating	Warranty
12W	122 x 98 x 111	Extruded alloy polycarbonate stainless steel brackets	Wall or ceiling	Class II	IP55	3 years
20W	122 x 170 x 111					
26W	141 x 222 x 111					



Solar Off-Grid Lighting

Entrée Solar LED Wall Light



Wattage	Detection Radius (approx)	Duration Time	Integral Solar Panel	LED Colour	Product Code
2W	120° 8m (max.)	10 ±5s	1.8W 12V	3000K	LHT1084

- Uses renewable and free solar power
- Optional 10% courtesy light function - all-night operation
- Presence-activated for full output
- Excellent doorway light

Lamp Information

Battery (Lithium-Ion)	Max. Run Time*	
	PIR with Courtesy Light	PIR without Courtesy Light
2600mAh @ 3.7V	60x Activations	80x Activations

* Times are based on fully charged batteries. Triggers and maximum run times are approximate only. Insufficient sunshine hours may also reduce run time.

General Information

Dimensions H x W x D (mm)	Weight	Housing	Mounting	Installation Height (m)	IP Rating	Warranty
220 x 170 x 210	1.6 kg	UV-stabilised polycarbonate	Wall	2.2-3.2	IP44	2 years

Ultrabright Solar Floodlights



Detection	Range	LED Colour	Luminous Flux	PIR Aiming Adjustment	Dusk Control	Colour	Product Code
180°	up to 10m	5000K	1250 lm	Left or right 90°	0~20 lux (Default)	Black	LHT1184

- Off-grid location solution
- Backup battery for guaranteed performance
2 x 3.7V 2200mAh rechargeable 18650 Lithium Ion batteries are included, with optional battery backup of 4 x 'D' cell Alkaline batteries
- Time Xtender & Eco modes for longer battery life
- An optional opal lens to reduce glare is included

General Information

Dimensions H x W x D (mm)	Housing	Solar Panel	Mounting	Pan/ Tilt	Safety	IP Rating	Battery		Warranty
							Included	Required	
210 x 125 x 80	UV-stabilised polycarbonate	9V 2W with 5 metre cable	Ceiling / Wall	Yes	Class III	IP44	2 x 3.7V 2200mAh 18650 Lithium Ion rechargeable batteries	4 x 'D' Cell Alkaline	3 years



Battery Lighting

Ultrabright LED Sensor Light



Detection	Range	PIR Aiming Adjustment	Dusk Control	Colour	Product Code
180°	up to 10m	Left or right, 90°	0~10 lux (Default)	Black	LHT1181

- Huge light output from a battery-powered unit
- Time Xtender & Eco modes for longer battery life
- An optional opal lens to reduce glare is included
- Battery life approx 18 months based on average of 5 activations per day

Lamp Information

LED Colour	Luminous Flux	Beam Spread	Manual Override
3000K	720 lm	120°	No

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Pan/Tilt	Safety	IP Rating	Battery (not included)	Warranty
210 x 105 x 80	UV-stabilised polycarbonate	Ceiling / Wall	Yes	Class III	IP44	4 x 'D' Cell Alkaline	3 years

Ultrabright PIR Shed Light



Detection	Range	Time On (Fixed)	PIR Aiming Adjustment	Colour	Product Code
110°	up to 6m	15 sec	Pan left or right 34° Tilt up or down 52°	White	LHT1183

- Battery powered impressive light output
- Integral PIR for easy automation
- Perfect for under stairs, garden sheds, pathways and garages
Practically anywhere you need light
- Battery life approx 12 months based on average of 5 activations per day

Lamp Information

LED Colour	Luminous Flux	Beam Spread	Manual Override
5000K	350 lm	120°	No

General Information

Dimensions H x W x D (mm)	Housing	Mounting	Pan/Tilt	Safety	IP Rating	Battery (not included)	Warranty
110 x 70 x 90	UV-stabilised polycarbonate	Ceiling / Wall	Yes	Class III	IP44	3 x 'C' Cell Alkaline	3 years

Battery Lighting

EzyLED Spot Two



Model	Detection	Range	Time On Adjustable	Manual Override	Beam Spread	Luminous Flux	Battery	Colour	Product Code
Twin	100°	up to 10m	15 - 20 sec	No	6m x 4m (each lamp)	90 lm	3 x AA (required)	Black	LHT0178

- Ultra-bright white LED
- 12+ month battery life for single lamp model based on an average of 3 activations per night
- 9+ month battery life for twin lamp model based on an average of 3 activations per night

General Information

IP Rating	Warranty
IP44	1 year



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Portable Chimes - Wireless

Decor



Description	Tunes	Max. Operating Range	Sound Level (dB@1m)	Volume Levels	Colour	Order Code
Chime and Door Press Kit	36	Up to 200m	54-75	6	Black/ Silver	CHM0157

- Compact and modern style
- Select tune, strobe, or tune-and-strobe output.
- Auto-learning-code to avoid interference conflicts
- Duplicate kits can be paired to provide multiple door presses or chimes

Chime and Door Press Information

Description	Dimensions H x W (mm)	Mounting	Batteries	IP Rating	Warranty
Chime	135 x 54	Wall or table (base supplied)	2 x AA (not included)	–	1 Year
Door Press	80 x 30	Wall	1 x CR2032 (included)	IP44	

SmartChime



Description	Tunes	Max. Operating Range	Sound Level (dB@1m)	Volume Levels	Colour	Order Code
Chime and Door Press Kit	36	Up to 80m	60-85 (adjustable)	4	White	CHM0155

- Complete with belt clip for portable use or wall mounting
- Flashing indicator LED light for the hearing impaired
- Auto-learning-code to avoid interference conflicts

Chime and Door Press Information

Description	Dimensions H x W (mm)	Mounting	Batteries	IP Rating	Warranty
Chime	104 x 70	Wall or table (base supplied)	2 x AA (not included)	–	1 Year
Door Press	85 x 40	Wall	12V/23A (included)	IP44	



Plug-In Chimes - Wireless

Sunrise



Model	Tunes	Max. Operating Range	Sound Level (dB@1m)	Volume Levels	Colour	Order Code
Chime and Door Press Kit	58	Up to 100m	25-85	5	Black	CHM0165
					White	CHM0166
Additional Door Press					Black	CHM0168
					White	CHM0169

- Simple pairing to eliminate neighbour conflict
- Flashing light designed for the hearing impaired
- Up to 30 chimes can be paired to a single door press
- Up to 30 door presses can be paired to a single chime unit, with same tone or a mix of different tones

Chime and Door Press Information

Description	Dimensions H x W (mm)	Mounting	Linkable	Wattage	Batteries	IP Rating	Warranty
Chime	80 x 80	Plug-In	Yes	< 2W	—	—	1 Year
Door Press	80 x 32	Wall	Yes	—	1 x CR2032 (included)	IP55	

Kinetic



Model	Tunes	Max. Operating Range	Sound Level (dB@1m)	Volume Levels	Colour	Order Code
Chime and Door Press Kit	58	Up to 100m	25-110	5	White	CHM0181

- No battery required for the door press
- Up to 30 kits can be paired for multiple entrances or large houses
- Flashing light designed for the hearing impaired

Chime and Door Press Information

Description	Dimensions H x W (mm)	Mounting	Wattage	IP Rating	Warranty
Chime	95 x 57	Plug-In	< 3W	N/A	1 Year
Door Press	80 x 32	Wall	Kinetic	IP44	



Chimes - Wired

Chimes - Built-In Transformer



CHM0173



CHM0174

Model	Tones	Voltage	Sound Level dB(A)	Colour	Order Code
Mira	Ding Dong	230V AC	>80	White	CHM0173
Leda	Ding Dong	230V AC	>80	White	CHM0174

- Door press required (order separately)
- Integral transformer for convenient installation

General Information

Description	Dimensions H x W x D (mm)	Voltage	Mounting	IP Rating	Warranty
Chime	170 x 110 x 50	230V AC	Wall	IP20	1 Year

Chimes - Remote Transformer



CHM0175



CHM0176

Model	Tones	Voltage	Sound Level dB(A)	Colour	Order Code
Juno	Ding Dong	230V AC/9V	>75	White	CHM0175
Indi	Ding Dong	230V AC/9V	>75	White	CHM0176

- Door press required (order separately)
- Remote transformer required (order separately)

General Information

Description	Dimensions H x W x D (mm)	Voltage	Mounting	Batteries	Transformer	IP Rating	Warranty
Chime	120 x 120 x 50	8V AC	Wall	1 x 9V (not included)	(see next page)	IP20	1 Year



Chimes - Wired

Door Presses



Model	Description	Voltage	Colour	Order Code
Cosmos	Unlit	0-30V DC	White	CHM0177
			Black	CHM0178
Quasar	Lit	8-12V AC/DC	White	CHM0179
			Black	CHM0180
Lamp Replacement for Quasar				CHM0184

General Information

Description	Dimensions H x W (mm)	Mounting	IP Rating	Warranty
Door Press	55 x 26	Wall	IP20	1 Year

Remote Transformers



Primary Voltage	Secondary Voltage	ON/OFF Switch	Order Code
220-240V AC	8V 1A	No	CHM0182

General Information

Description	Mounting	IP Rating	Warranty
Remote Transformer	DIN/Surface	IP20	1 Year



Entry Alerts - Wireless

PIR Alarm



Model	Tunes	Max. Operating Range	Sensing Angle	Sound Level dB(A)	Colour	Order Code
PIR Alarm and Sensor Kit	1	Up to 120m	80° x 8m (approx)	Up to 90	White	CHM0152

- Perfect for long driveways
- IP44 outdoor sensor
- Flashing LEDs and loud alarm
- 'Ding Dong' alert sound
- Hi/low volume selection

Alarm and Sensor Information

Description	Dimensions H x W (mm)	Mounting	Batteries	IP Rating	Warranty
Alarm	130 x 93	Wall	3 x C (not included)	–	1 Year
Sensor	105 x 68	Wall	3 x AAA 1.5V (not included)	IP44	

Password PIR Siren



Model	Tunes	Max. Operating Range	Sensing Angle	Sound Level dB(A)	Colour	Order Code
PIR Siren and Sensor	2	Up to 120m	120° x 5m (approx)	Up to 85	White	CHM0156

- Activate on presence detection until the 4-digit password is entered
- Excellent DIY security for no-go zones
- 'Ding Dong' or siren selectable

Alarm and Sensor Information

Description	Dimensions H x W (mm)	Mounting	Batteries	IP Rating	Warranty
Siren	107 x 65	Wall	3 x AAA 1.5V (not included)	IP44	1 Year



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Manrose Water + Air Tap

Optimum hand-cleaning efficiency allows washing and drying without leaving the sink. No waste water on the floor. Built-in double filtration (HEPA + filter) for increased hygiene.

Speed & Sound control accommodates any basin shape without splashing, while two temperature settings provide added energy savings. A perfect combination of hand dryer technology and water tap. 3 year warranty.



Fan Input (W)	Heater Input (W)	Adjustable Air Speed (m/s)	Dry Time (sec)	Housing	Colour	Order Code
550	650	90	10 - 15 (approx)	SS304/ABS	Polished	FAN7444

- Auto operation via PIR sensor
 - 2 temperature control modes for energy savings
 - 4 adjustable speed levels for sound and splash control
- Intelligent system
- Power-off memory function
 - Intelligent temperature control
 - Respiration light reminder function

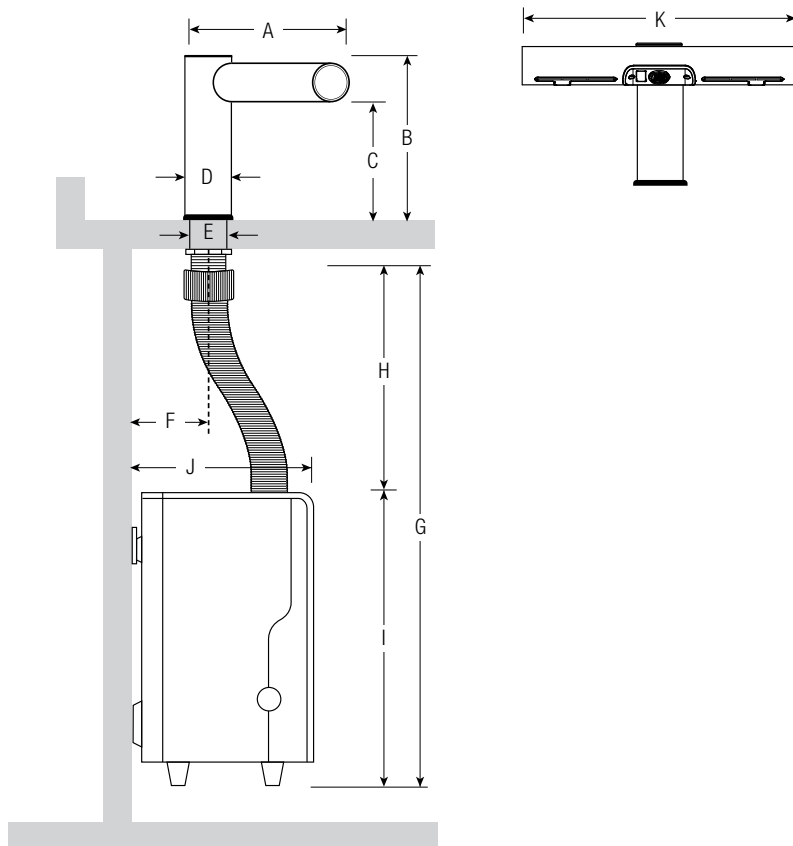
General Information

Supply	220-240V AC
Filter	HEPA + Coarse Particulate Filter
Auto Shut Off (sec)	45
Standby Power	≤ 2.2W
Sensing Type	Touch-free infrared
Sound Level @ 1m	50-70 dB(A)
Safety	Class II
IP Rating	IP24



Dimensions (mm)

A	B	C	D	E	F	G	H	I	J	K	Net Weight (kg)
190	153	108	Ø52	Ø35	≥35	865	550	315	191 x 191	300	5.9



Thin Dry

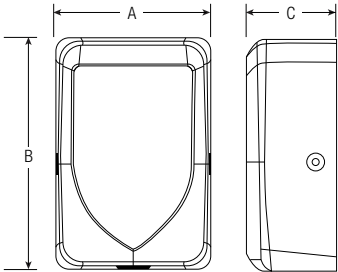
This slim model is suitable for applications behind mirrors, and in areas where space is at a premium. An excellent solution for accessible washrooms. An internal UV-C chamber sterilises the air before it comes into contact with hands.. Includes a switchable heating element for energy savings during warmer summer months. 5 year warranty.



Fan Input (W)	Heater Input (W)	Air Speed (m/s)	Dry Time (sec)	Housing	Colour	Order Code
600	400	100	10 - 15 (approx)	Stainless Steel 304	White	FAN7418
					Black	FAN7419
					Brushed	FAN7420

Dimensions (mm)

Model	A	B	C	Net Weight (kg)
FAN7418 FAN7419 FAN7420	174	256	102	2.5



General Information

Model	FAN7418 FAN7419 FAN7420
Supply	220-240V AC, 4.3A
Filter	Coarse Particulate Filter
UV-C Sterilisation	Yes
Auto Shut Off (sec)	60
Manual Switch Heat Off	Yes
Sound Level @ 1m	74 dB(A)
Safety	Class I
IP Rating	IP23
IK Rating	IK08



Jetstream

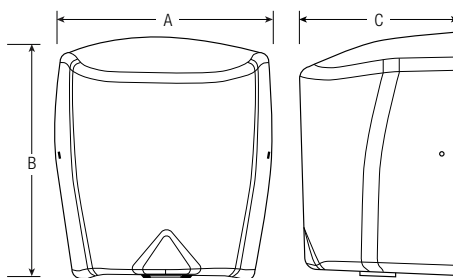
Jetstream provides an efficient and hygienic hand drying solution. The Blue Dry Zone LED indicator provides a visible indication to ensure hands are placed in the warm air stream. Includes a switchable heating element for energy savings during warmer summer months. Automatically shuts off after 60 sec to prevent overheating or continuous running. 5 year warranty.



Fan Input (W)	Heater Input (W)	Air Speed (m/s)	Dry Time (sec)	Housing	Colour	Order Code
550	800	80	10-15 (approx)	Stainless Steel 304	White	FAN7427
					Polished	FAN7428

Dimensions (mm)

Model	A	B	C	Net Weight (kg)
FAN7427 FAN7428	238	267	175	3.8



General Information

Model	FAN7427 FAN7428
Supply	220-240V AC, 5.9A
Filter	Coarse Particulate Filter
Auto Shut Off (sec)	60
Manual Switch Heat Off	Yes
Sound Level @ 1m	70 dB(A)
Safety	Class I
IP Rating	IP23
IK Rating	IK08

Recommended Mounting Heights for All Compact Wall Dryers (to bottom of the unit)

Men's Washrooms	1000mm
Women's Washrooms	960mm
Disabled Washrooms	860mm
Children's Washrooms	
10-13 years	910mm
7-10 years	860mm
4-7 years	812mm

Vento

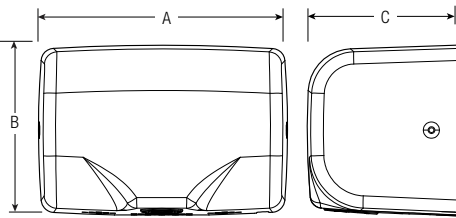
Our quietest hand dryer offers excellent standards of hygiene and durability. With adjustable speed & sound control to reduce energy use and moderate noise in smaller spaces, Vento can also be set to hot or cold air. Includes a switchable heating element for energy savings during warmer summer months. 3 year warranty.



Fan Input (W)	Heater Input (W)	Adjustable Air Speed (m/s)	Dry Time (sec)	Housing	Colour	Order Code
500	850	100	10-15 (approx)	Stainless Steel 304	White	FAN7421
					Black	FAN7422

Dimensions (mm)

Model	A	B	C	Net Weight (kg)
FAN7421	256	173	152	3.5
FAN7422				



General Information

Model	FAN7421 FAN7422
Supply	220-240V AC, 5.8A
Filter	Coarse Particulate Filter
Speed & Sound Control	Yes
Intelligent Auto Heat Off	≥ 25°C
Auto Shut Off (sec)	60
Manual Switch Heat Off	Yes
Sound Level @ 1m	Adjustable 50 dB(A) min, 70 dB(A) max
Safety	Class I
IP Rating	IP23
IK Rating	IK08



Fast Dry

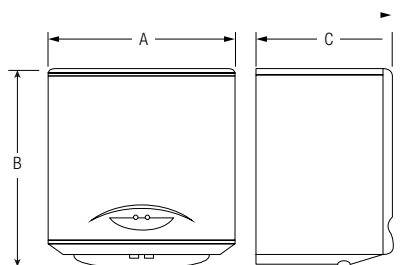
Linear air output for increased velocity and reduced usage time. Low energy consumption and quiet operation deliver outstanding performance. Includes a switchable heating element for energy savings during warmer summer months. 5 year warranty.



Fan Input (W)	Heater Input (W)	Air Speed (m/s)	Dry Time (sec)	Housing	Auto Switching	Colour	Order Code
650	450	95	10-15 (approx)	ABS	Yes	White	FAN5653

Dimensions (mm)

Model	A	B	C	Net Weight (kg)
FAN5653	248	250	178	3.2



General Information

Supply	220-240V AC, 4.8A
Filter	Coarse Particulate Filter
Auto Shut Off (sec)	60
Switch Heat Off	Yes
Sound Level @ 1m	70 dB(A)
Safety	Class II
IP Rating	IPX1
IK Rating	IK08

Replacement Parts

Description	Order Code
PCB Main Board	FAN1135
Sensor PCB	FAN1136

Recommended Mounting Heights for All Compact Wall Dryers (to bottom of the unit)

Men's Washrooms	1000mm
Women's Washrooms	960mm
Disabled Washrooms	860mm
Children's Washrooms	
10-13 years	910mm
7-10 years	860mm
4-7 years	812mm

Tempesta

Delivers optimum hygiene with a UV-C sterilisation chamber, HEPA filter and particulate filter. Adjustable Speed & Sound control reduces energy use and moderates noise in smaller spaces. Includes a user-friendly drying indicator and 25-second auto shut-off to prevent overheating or continuous running. Droplet reservoir includes an overflow pipe connector. Tough high-impact ABS plastic housing. 3 year warranty.



Fan Input (W)	Heater Input (W)	Adjustable Air Speed (m/s)	Dry Time (sec)	Housing	Colour	Order Code
1250	400	140	10-15	ABS Plastic	White	FAN7423

Replacement Parts

Description	Order Code
Replacement HEPA Filter (Replace every 6-12 months based on usage)	FAN7446
Reservoir Replacement	FAN1389

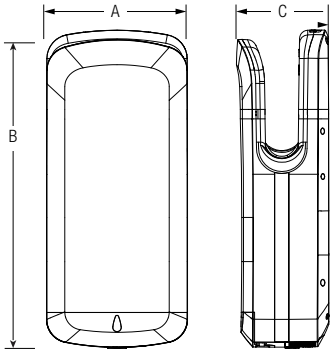
- Drying countdown indicator
- Switch heat on/off for summer energy savings
- Includes an overflow pipe connector from the reservoir.

Dimensions (mm)

Model	A	B	C	Net Weight (kg)
FAN7423	297	671	195	8.8

Technical

Model	FAN7423
Supply	220-240V AC, 7.0A
Filter	HEPA + Coarse Particulate Filter
UV-C Sterilisation	Yes
Speed & Sound Control	Yes
Intelligent Auto Heat Off	> 25°C
Auto Shut Off (sec)	25
Manual Switch Heat Off	Yes
Sound Level @ 1m	Adjustable 50 dB(A) min, 65 dB(A) max
Safety	Class II
IP Rating	IP23
IK Rating	IK07



Side Draft

Automatically adds heat to the airflow if the room temperature drops below 25°C. Includes an inbuilt drip tray. Features an ultra-modern design and a tough stainless steel case to protect against corrosion and vandalism. 2 year warranty.



Fan Input (W)	Heater Input (W)	Air Speed (m/s)	Dry Time (sec)	Housing	Colour	Order Code
800	850	95	10-15	1.2mm Stainless Steel 304	Brushed Stainless	FAN5655

Replacement Parts

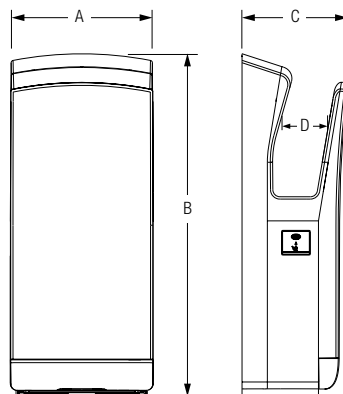
Description	Order Code
Replacement HEPA Filter (Replace every 6-12 months based on usage)	FAN7429
Replacement Water Tank	FAN1410
Sensor PCB	FAN1345

Dimensions (mm)

Model	A	B	C	D	Net Weight (kg)
FAN5655	300	730	222	95	11.2

Technical

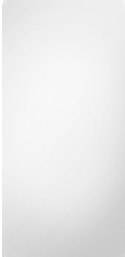
Model	FAN5655
Supply	220-240V AC, 7.2A
Filter	HEPA
Intelligent Heat Off	> 25°C
Auto Shut Off (secs)	30
Sound Level @ 1m	72 dB(A)
Safety	Class I
IP Rating	IPX4
IK Rating	IK08



Recommended Mounting Heights for Tempesta & Side Draft Dryers (to top of mounting bracket)

Men's Washrooms	850mm
Women's Washrooms	800mm
Disabled Washrooms	730mm





Description	Dimensions H x W x D (mm)	Colour	Order Code
Manrose 1.4mm Splash Guards 304 stainless steel wall guard to protect walls from water droplets and simplify cleaning. (3.2m of 3M adhesive tape included)	800 x 400 x 1.4	White	FAN7424



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Central Vacuum Systems

MaxVak 2400W Unit and Hose Pack



Model	Motor Wattage (W)	Sound Level dB(A)	Air Wattage (W)	Air Flow (l/s)	Dust Bin Capacity (litres)	House Size (m²)	Order Code
MaxVak 2400	2400	65*	700	57	28	Up to 500	VAK0112



- Full LCD screen
- Switched hose with adjustable speed
- Quiet operation

*when silencer is connected)

Additional Information

Motor Cooling	Cyclonic Filtration	Secondary Filter	Motor Type	Motor Protection	Max. Distance To Socket	Switched Hose Length	Recommended Number of Sockets	Warranty
Air cooled	Included	HEPA	2 Stage	Thermal cutout	45m	9m	2-8	3 Years (Unit Only)

Hose Pack Components



Description	Order Code
Hose Hanging Bracket	VAK0144
Adjustable Carpet Head	VAK0153

- 1 year warranty on accessories



Description	Order Code
Accessory Bag	VAK0139
General Purpose Brush	VAK0134
Crevice Tool	VAK0146
Upholstery Tool	VAK0141
Round Dusting Brush	VAK0135
Bracket	VAK0140
Silencer	VAK0127

Accessories

Description	Order Code
HEPA Filter (VAK0112 only)	VAK0125



Central Vacuum Systems

MaxVak Pipe and Fittings

	Description	Order Code
	90° T Connector	VAK0058
	90° Elbow Bend	VAK0070
	45° Elbow Bend	VAK0068
	PVC Pipe Connector	VAK0071
	51mm x 2.25m PVC Pipe	VAK0067
	Exhaust Grille	VAK0046
	Designer Socket - Stylish White	VAK0097
	Socket Straight Fitting	VAK0052





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