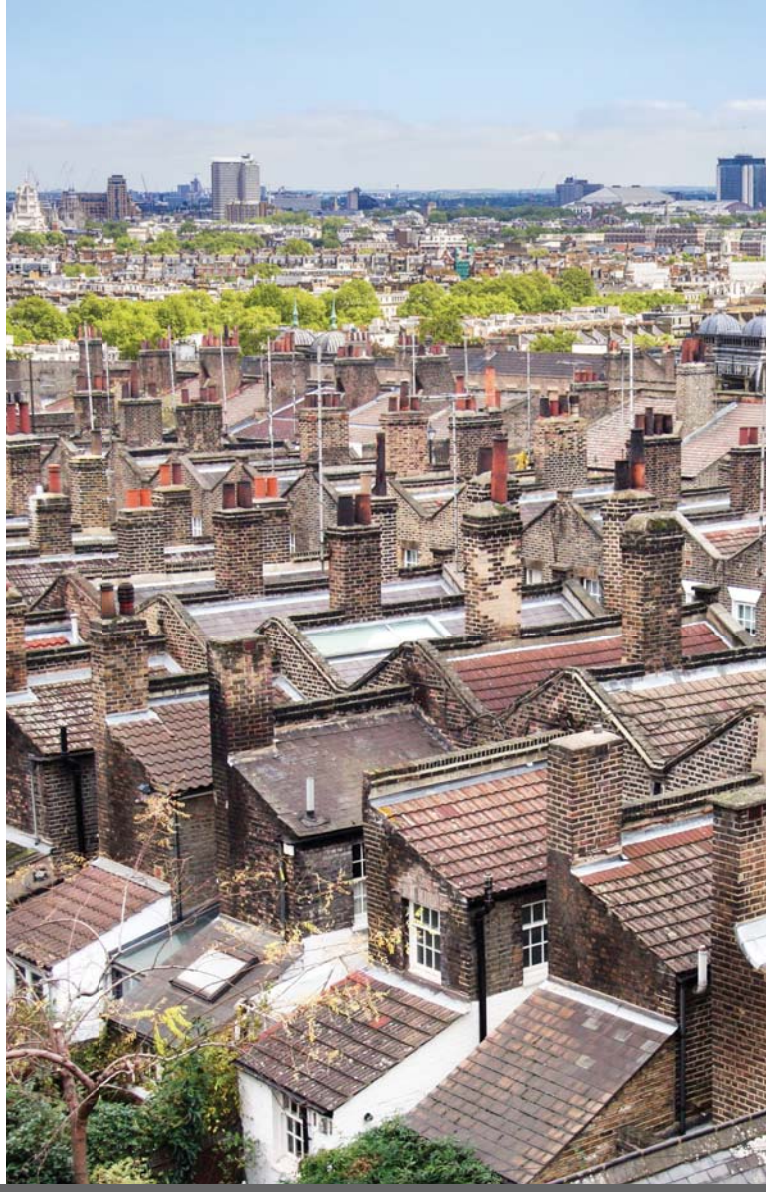
Energy Efficient, Near Silent, Simple to Use

CI/SfB

(57.7)

1st Edition



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Our commitment to quality and service runs right through the core of the business, and through our supply chain to you, our customers, Vent-Axia - the First Name in Ventilation.

Ventilation for Refurbishment Projects

Vent-Axia®

Why choose Vent-Axia

Vent-Axia is here to help you right through the design, specification and installation process, whatever your application, backed by a strong sales team and an unrivalled technical support group based in Crawley.

Our commitment to quality and service runs right through the core of the business, and through our supply chain to you, our customers; Vent-Axia - the First Name in Ventilation.

We are with you all the way

- Insight Visits – Our Specification team can write a full specification that will guarantee the best indoor air quality for a comfortable home. The specification will also provide the best guidance for all housing regulations
- Installation – To meet customer's requirements, we can support your project and specifically liaise with the Contractor, Distributor and Occupier to maintain a smooth installation
- Maintenance - Vent-Axia fans are designed for a long trouble free life with low maintenance schedules. Should you require any maintenance support however, our service department are ready to help

Availability

- With the widest distribution network of any manufacturer in the UK we pride ourselves on having products available when and where you need them

Product solutions

- Whatever product category, we have the most energy efficient solution available
- Unique solutions designed to fit into all your buildings
- With absolute focus on the end user we work hard to produce the quietest, most comfortable products for occupiers to live with

Lo-Carbon range on page 20

Positive Pressure units on page 32

Heating range on page 38

Unparalleled Customer Service

Dedicated Specification Team

UK manufacture and unrivalled availability

Vent-Axia

Ventilation for Refurbishment

How does Ventilation benefit you and your tenant?

Landlord's Choice

- Solutions for all types of houses and every room situation
- Energy efficient solutions to tackle indoor air quality issues
- The 100/150mm spigot is common with traditional intermittent extract fans, simplifying the specification process
- Easy to retrofit, reducing installation and make-good time
- Data Logger Function on most Lo-Carbon humidistat models. This function allows the landlord to check the total number of days that the fan has been powered. The fan will start counting the first 24 Hour period once it is powered up. In the event of power failure the memory within the fan will hold the current days powered and will start counting again once the power has been restored
- 5 year warranty on Lo-Carbon products

Tenant's Choice

- Remove toxins, pollen, allergens and harmful dust
- Prevent moulds and other allergens
- A sensitive choice for asthma and allergy sufferers
- Improved air quality in the home
- Mould on personal belongings and in wardrobes is reduced
- Near silent design
- Guaranteed installed performance with flexible motor speed
- Lo-Carbon fans use up to 80% less energy than a standard fan reducing the carbon footprint and saving on bills
- Easy to maintain

Installer's Choice

- Easy to retrofit, reducing installation and make-good time
- Options that can replace any existing fan
- Surface or recess mounted options available
- Support available from the Vent-Axia team
- Easy to install and maintain saving time and money

Continuous vs Intermittent Ventilation

What is Continuous Ventilation?

Continuous Ventilation works by extracting stale and moist air from the home at a low rate all of the time. Continuous ventilation uses less energy than traditional intermittent ventilation and is therefore a much more cost effective and low carbon option. Providing an 'exit point' in the form of a continuous extract fan stops the the moist air from seeping through the fabric of the building and therefore reduces the chances of mould forming.

The table below shows the lower running costs of continuous ventilation vs intermittent ventilation.

	Hours a day	Motor consump-tion watts	kW/h per year	Price per kW/h	Total cost per year
Kitchen* Quadra	23	3.5	29.38	0.12	£3.53
	1	4.1	1.50	0.12	£0.18
Bathroom* Centra	23	1.4	11.46	0.12	£1.38
	1	2.4	0.85	0.12	£0.10
				Continuous Total	**£5.18**
Kitchen Centrif Duo	2	60	43.80	0.12	£5.26
Bathroom Solo Plus	2	29	2.17	0.12	£2.54
*Continuous fans running for 23 hours on trickle and 1 hour on boost				**Intermittent Total**	**£7.80**

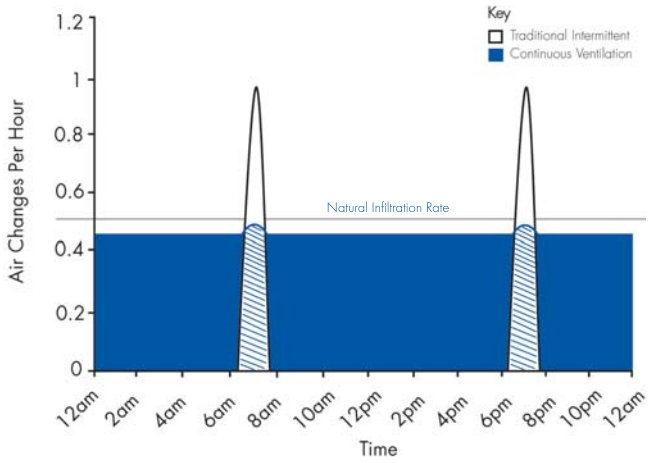
The Benefits

Traditional intermittent ventilation systems often provide peaks of high extract airflow which exceed the natural infiltration rates, this means we are simply warming indoor air and extracting it to atmosphere which is not energy efficient. This is shown below as the graph indicates the natural air change rate from a building with a leakage rate of 10m³h/m² @ 50Pa.

Continuous ventilation products from Vent-Axia are designed to work with the natural air infiltration and control the air path from the building thus preventing migration of damaging humidity and pollutants. This is achieved by using continuous low speed running extract fans in the wet rooms (bathrooms, kitchen and utility rooms) with a boost via the light switch, an integral pullcord or sensor when higher ventilation rates are required.

By providing ventilation in this way the extract systems can run at a much lower rate all the time, rather than at a high rate for 1 or 2 hours a day. This has a range of benefits including:

- Energy Efficiency – No over ventilation, so reducing unnecessary heat loss
- Near Silent Ventilation – Low speeds mean very low noise levels
- No trickle vents needed – The low rates mean that adequate replacement air is available naturally.



Understanding Condensation

Condensation affects millions of households in the UK. It is the most common cause of dampness in private, public and social housing and is the second most common complaint following mould.

What is Condensation?

Condensation normally occurs during the winter periods as warm moist air in the property comes into contact with a cold surface such as a window or wall and the moisture forms droplets on the surface. The condensation builds up from simple activities such as cooking, showering or even just breathing and without adequate ventilating it can result in the appearance of mould. The drops of water on windows and walls are an immediate sign that the property suffers from condensation. Condensation leading to mould can ultimately damage and decay walls, surfaces, and valuable items if not treated properly and can cause health problems for the occupants.

Interstitial Condensation

This is a severe situation where the exposure to moisture builds up becuase of cold, damp air conditions. The wallpaper, plaster and timber are gradually penetrated by more and more moisture resulting in surface condensation. This ultimately leads to a vicious circle of colder surfaces, increased mould, corrosion of building materials and can cause electrical system problems.

How to remove Condensation

To help alleviate condensation the property should be fitted with the correct ventilation, heating and insulation solutions. These solutions should allow air movement throughout the property so the moist air can be extracted. The best solution is a continuous running extractor fan in the kitchen or bathroom that will remove moisture from the two areas most responsible for condensation with minimal running costs.

Other ways to reduce condensation:

- **Bedrooms/Living Rooms** – Pull furniture away from walls to allow air to circulate
- **Kitchen** – Place lids on saucepans, close doors and open any airbricks, window ventilators or other passive ventilators when you are cooking
- **Bathroom** – When bathing/showering, close doors and open any airbricks, window ventilators or other passive ventilators
- **Laundry Room** - If possible dry your clothes outside, if this is not possible close doors and open any airbricks, window ventilators or other passive ventilators

Understanding Mould

There are thousands of known mould species which can have severe consequences to the occupants health if exposed. Mould is neither animal nor plant; they come as their own species known as the Fungi Kingdom. They all require moisture to grow and develop and therefore wet areas where condensation gathers are an ideal home for mould. Mould digests the material they grow on and break it down to decaying matter. The objects usually become discoloured and are an unpleasant sight to look at with colours such as black, yellow, greens or greys forming. Additionally, there is normally a damp odour which leads to hygiene and health issues.

Black Mould

There are a number of recognised mould species that release mycotoxins; these toxins are normally harmful to animals and humans. The stachybotrys or chaetomium fungi are known as 'Toxic Black Mould' and are extremely dangerous as it grows in houses and buildings. However, not all black mould is toxic; and so if it appears it's advised to get it tested by a specialist before taking any drastic measures.

General and severe symptoms caused by Black Mould

- Respiratory problems
- Skin inflammation
- Irritation of the mucous membranes
- Damage to internal organs
- Memory loss
- Fatigue
- Nausea
- Immune system suppression
- Heart problems
- Asthma

Where does toxic mould grow and how can it be prevented?

The conditions for Toxic Mould have to be exceedingly moist for a long period of time before it appears. The mould normally grows where there has been an on-going leakage in usually hidden places. Older properties that are not up to modern standards are much more prone to mould problems as the walls are not properly insulated.

Mould habitually grows:

- Above ceilings
- Inside walls
- Basement – bottom of walls, corner under floors
- Cracks and holes
- Windows, sills and frames

It is very important to monitor the humidity levels throughout your property. If there is a water leakage, pipe leak, roof leak, or condensation problem it will require urgent attention. Bathrooms are extremely prone to mould growth; the first step to removing unwanted mould is using a suitable ventilation system that suits the property's needs.

Case Study

Vent-Axia Supplies Enegry Efficient Lo-Carbon Centra and Quadra fans into Stirling Council Homes.

Vent-Axia is delighted to supply housing association, Stirling Council with the energy efficient Lo-Carbon™ Centra and Quadra fans. These units have enabled Stirling Council to make dramatic savings on maintenance costs, cut carbon emissions and simplify product specification and installation whilst improving living conditions and reducing fuel bills for tenants.

The Lo-Carbon™ Centra and Quadra have been fitted into the property's bathrooms and kitchens to eliminate condensation which can result in mould growth and poor indoor air quality. Stirling Council is responsible for 7,500 homes around Stirling and the Central Region. Having worked with Vent-Axia for several years, the organisation has always rated the company's ventilation products highly for performance, reliability and cost effective installation.

Stirling Council continues to specify the Lo-Carbon™ Centra and Quadra as it provides continuous mechanical extract ventilation. This allows the extract systems to run continually at a much lower rate all the time, rather than at a high rate for 1 or 2 hours a day. This offers virtually silent operation and increases energy efficiency as it reduces unnecessary heat loss. These systems are designed to work with the natural air infiltration and control the air path from the building thus preventing migration of damaging humidity and pollutants.

Electric Supervisor, Liam Wilkie mentions 'Vent-Axia's Lo-Carbon™ collection delivers up to 90% energy savings. This innovative technology enables the tenant to make significant savings over traditional intermittent fans. Continuous ventilation is approved with our tenants as they overcome condensation, energy costs, near silent operation and have a simple discrete styling.'

T: 0844 856 0590

The Lo-Carbon™ Centra has been awarded the Quiet Mark by the Noise Abatement Society. The Quiet Mark is given World-Wide to manufacturers of the quietest products on the market and is validated by the UK's Association of Noise Consultants. The initiative's objective is to reduce noise and so achieve a healthier stress-free living and working environment. Ideal for retrofitting, the Centra offers virtually silent operation in a clean design which fits discreetly and easily into any home.

Vent-Axia's Lo-Carbon™ Centra offers trickle ventilation and includes a boost feature which can be utilised as necessary based on specific room requirements. Adjustable 'Normal' running speeds make it suitable for continuous extract in kitchens, bathrooms, en-suites and utility rooms, so social housing specifiers only require one fan type for any dwelling. Vent-Axia's Quadra is a domestic fan suited to through-the-wall or ducted applications. Also designed for quick and straightforward installation in multiple rooms, Quadra provides a guaranteed installed performance thanks to an innovative switch and fit feature in the fan. It offers a range of advanced control options to boost efficiency, and ease installation and commissioning.

Both fans incorporate energy saving Vent-Axia Lo-Carbon™ DC motors, contributing to a 90% reduction in fuel consumption over traditional AC fans. Designed to operate as a continuous running fan, the Centra and Quadra offers trickle ventilation but comprises a boost feature which can be utilised as necessary based on specific room requirements.

The Centra and Quadra fit discreetly in modern homes and are simple to install. Each fan provides provides an easy and effective form of ventilation and both are fitted with 100mm spigots, common to traditional intermittent extract fan. A switched live input allows the fan to be boosted by a range of Vent-Axia's switches and sensors, or a single light switch.

Both Centra and Quadra are part of Vent-Axia's Lo-Carbon™ collection. The aim of the Lo-Carbon™ initiative is to offer the latest low carbon ventilation technology in order to reduce building energy consumption and carbon emissions.

Lo-Carbon Centra
(see page 14)

Lo-Carbon Quadra
(see page 18)

CPD Courses

What is CPD?

Continuing Personal or Professional Development (CPD) is the term given to the commitment to lifelong learning.

Employers and construction institutions in all disciplines require the wide adoption of a structured approach to learning and look for evidence of progress meeting clearly specified career objectives.

Those working in construction are therefore looking for opportunities to broaden and deepen their knowledge and keep up to date on all facets of design and construction.

Specifying organisations throughout the industry make use of the Construction CPD Certification Service. Vent-Axia's CPD Modules are suitable for a wide range of organisations including e.g. client bodies, multi-disciplinary practices, architectural practices, main and specialist contractors, facility managers, chartered surveyors, building surveyors, quantity surveyors, local authorities, housing associations and house builders.

When and where are the courses run?

If you are interested in our CPD seminars, please contact us and we will arrange a representative to come and present at your chosen premises. This normally takes place during a lunch hour or after working hours thus not taking up too much of the working day.

Following the seminar each delegate will receive a 1 hour CPD certificate for their records.

To arrange a CPD course, please contact us on:

E-mail: cpd@vent-axia.com
Telephone: 0844 856 0590
Web: www.vent-axia.com/cpd

CPD Modules - Offline

Vent-Axia have a number of CPD Modules available in the form of PowerPoint based seminars covering both the Residential and Commercial sectors:

Residential

- **Part F & L for Ventilation**
  This seminar will outline Parts L1A and F1A and demonstrate how they work together. The seminar will take you through the various ventilation solutions within the ADF 2010 document with animations showing how they work.

- **Indoor Air Quality & Ventilation**
  This seminar covers issues and options relating to indoor air quality and ventilation, together with the implications of Part F of the Building Regulations.

- **Installation Guide to MEV & MVHR Ventilation**
  This seminar will give guidance to existing or new installations of MEV and MVHR ventilation systems. It takes the installer through the various stages of the process from ductwork runs and jointing to installing the units and commissioning the system. There is also a section on system faults and the possible causes.

- **Scottish Building Standards for Ventilation 2010**
  This seminar outlines the changes to the Scottish Building Standards and Technical Handbooks 3 and 6.

Commercial

- **Energy Efficient Commercial Ventilation**
  This seminar introduces Energy Efficient Ventilation design. It explains the drivers behind efficient ventilation and how the correct use of controls, high efficiency fans and heat exchangers can benefit both the environment and the building owner.

1h

Other

- **Factory Visit**
  The factory visit will provide a valuable insight into how a ventilation company runs, from research and development to customer after-care.

  It will demonstrate how ventilation systems are developed with regard to safety, legislation compliance and sustainability.

4h

For further details of the above module agendas, go online to www.vent-axia.com/cpd

CPD Modules - Online

Vent-Axia also offers a selection of CPD material online. With the addition of a questionnaire, you can independently complete your chosen module at your own convenience. If you achieve a pass, you will receive a 1 hour CPD certificate for your records.

Login/register: www.vent-axia.com/cpd/login

Corporate Responsibility Statement

Vent-Axia is founded upon the excellence of its people, products and technology. We are committed to operating in a manner that protects basic human rights, provides real opportunities for our employees, protects the environment and makes a positive contribution to the community. We embrace a culture of continuous improvement in all aspects of our business.

We will endeavour to ensure that all goods, machinery, equipment and services are procured from organisations that treat their employees equally and fairly and in accordance with all local legislation.
Where appropriate, Vent-Axia will make sure that any materials used in the production of goods are from sustainable sources, subject to availability and value for money. In addition we will ensure that any materials, equipment or machinery bought by the Company are produced in environments that ensure the health and safety of their workforce.

At all times, Vent-Axia will produce products that are as energy efficient as possible and will continue to research and develop energy efficient solutions for the market place.

Carbon Footprint

We also seek to protect the environment which we all share. Our product development programme is focused around our Lo-Carbon initiative, using technology which reduces power consumption and recovers, recycles and re-uses energy that would otherwise be wasted.

- 99% of our products are produced in the UK
- Introduced the first Lo-Carbon (Low Wattage) fan
- 5 year motor guarantee on all Lo-Carbon products
- Award winning innovation in Heat Recovery systems
- The only ventilation company who can supply a full Lo-Carbon range of products in the UK
- Our carriers use Eco low emission vehicles
- The use of water and utilities are monitored to ensure that we use them efficiently

Lo-Carbon Residential Fans

Continuing our commitment to Lo-Carbon we are proud to introduce the latest additions to the range. In this section you will find Lo-Carbon solutions for any intermittent and continuous fan application.

In axial or centrifugal, wall, ceiling or window applications in bathrooms or kitchens we now have a Lo-Carbon fan offering up to 90% energy saving over the equivalent traditional fan.

We are the first manufacturer in the UK to provide such a complete offer at a price point which makes these products a real alternative.

Vent-Axia®

Lo-Carbon Residential

Lo-Carbon Centra®/SELV
dMEV Unit

Features & Benefits

- Building Regulations Approved Documents F and L compliant, System 3 Continuous mechanical extract
- Recognised in SAP Appendix Q - Low SFP on SAP Q
- Quietest dMEV available
- Discreet, tasteful styling
- Single fan for use in all applications
- IPX4 rated - IPX7 rated (SELV)
- Pressure detection device
- Normal and Boost speeds
- Lo-Carbon motor offering 90% energy savings and long life
- 5 Year Motor Guarantee
- Suitable for wall, ceiling, panel and window mounting
- SELV Models - Supplied with a remote transformer
- SELV Models Suitable for 'Zone 1' installation

What is de-centralised MEV (dMEV)

The Building Regulations Approved Document F gives examples of four main methods of ventilation. System 3, Continuous mechanical extract ventilation can be achieved using a single centralised extract unit such as the Sentinel Multivent ducted to 'wet' rooms (kitchen, bathroom, en-suite and WC) or by decentralised individual fans, such as the Lo-Carbon Centra in the 'wet' rooms. The fans run continuously at near silent levels providing a simple and effective form of ventilation.

SELV (Safety Extra Low Voltage) is designed for areas where a fan can be installed within Zone 1 in a room where there is a fixed bath or shower. Ingress Protected (IP) to IPX7 Lo-Carbon Centra SELV can be fitted safely within the spray area. The separate transformer can be mounted away from the spray zone and out of reach from the bath or shower.

The Lo-Carbon Centra meets the latest requirements of the Building Regulations Approved Document F for wholehouse system ventilation.

Selection of the two normal flow rates (6l/s or 9l/s) is via a simple 'jumper' on the control board. Different methods are available for operating boost speed from a simple switched live to integral humidistat or CO_2 sensor. See individual models for further details.

The attractive and discreet styling of the Vent-Axia Lo-Carbon Centra will complement the décor of any new home while virtually silent operation ensures optimum ventilation is achieved without intrusive noise.

Lo-Carbon Centra

Recognised in SAP Appendix Q Lo-Carbon Centra has a specific fan power of only 0.18 W/l/s in through-the-wall kitchen applications.

Models

Lo-Carbon Centra
Auto speed selection at installation. The integral air pressure sensor checks the airflow when first installed and also helps the fan to compensate for external wind pressure.
Stock Ref
441782

Lo-Carbon Centra/SELV T (Timer)
Ideal for bathroom and toilet applications, this unit runs continuously on trickle setting and may be boosted by the switched live input which activates the adjustable timer (5-30 minutes).

Model	Stock Ref
T	442954
SELV T	443175

Lo-Carbon Centra/SELV TP (Pullcord/Timer)
For bathroom/toilet applications, the continuous running TP model is boosted by the pullcord which activates the adjustable timer (5-30 minutes).

Model	Stock Ref
TP	447127
SELV TP	447128

Lo-Carbon Centra/SELV HT (Humidistat/Timer)
For bathroom/toilet applications, the continuous running HT model is automatically boosted by the built-in humidistat or by a switched live input which activates the adjustable timer (5-30 minutes). Data Logger as standard on all Lo-carbon humidity controlled Centra fans.

Model	Stock Ref
HT	442955
SELV HT	443176

Lo-Carbon Centra/SELV HTP (Humidistat/Pullcord)
For bathroom/toilet applications, the continuous running HTP model is automatically boosted by the built-in humidistat or by the pullcord which activates the adjustable timer (5-30 minutes). Datalogger as standard.

Model	Stock Ref
HTP	443045
SELV HTP	443177

Lo-Carbon Centra CO_2 and Humidity
Continuous running, automatically boosted with integral CO_2 and humidistat sensor. This as ambient response feature - detects rapid change in %RH and boosts immediately, or will boost slowly and proportionally with %RH or CO_2. Datalogger as standard.
Stock Ref
444672

150mm Conversion Kit
Stock Ref
443334

Wall Kit
Stock Ref
254102 (White)
254100 (Brown)

Window Kit
Stock Ref
442947

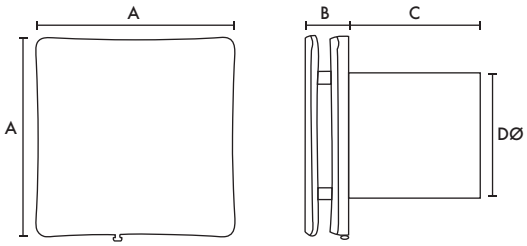
Ceiling Kit
Stock Ref
443800

QUIET MARK 2013
Validated mark of approval
noise abatement society

the ELECTRICAL industry awards WINNER 2011

Winners of the Energy Efficiency Initiative 2011 Award
with our Lo-Carbon Continuous Ventilation Product Range

Dimensions (mm)



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Transformer 87 x 87 x 33mm (W x H x D)
(SELV models only)

	Extract Performance (l/s)			Power Consumption (Watts)			Sound dB(A)@ 3m		
Model	Trickle low	Trickle high	Boost	Trickle low	Trickle high	Boost	Trickle low	Trickle high	Boost
Lo-Carbon Centra/SELV T/TP/HT/HTP	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2

SAP Appendix Q Performance

Systems With Rigid Ductwork Installation Only

Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room (Ducted)	Kitchen	High	13.2	0.32
In Room (Ducted)	Wet Room	9 l/s	8.4	0.28
Through Wall	Kitchen	High	13.5	0.18
Through Wall	Wet Room	9 l/s	8.6	0.20

Systems With Flexible Or Mixed Ductwork Installation Only

Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room (Ducted)	Kitchen	High	13.2	0.37
In Room (Ducted)	Wet Room	9 l/s	8.6	0.31
Through Wall	Kitchen	High	13.5	0.18
Through Wall	Wet Room	9 l/s	8.6	0.20

Lo-Carbon Response/SELV

dMEV Unit

Features & Benefits

- Recognised in SAP Appendix Q
- Constant volume
- Display showing airflow and system pressure (Patent pending)
- Switched live connection for external switches/sensors
- 220-240V input
- Data Logger feature on Humidistat models
- 6l/s or 8l/s trickle speed selection
- 13l/s boost speed
- IPX4 rated
- Multi-orientation grille – grille can be rotated by 90/180 degrees to suit ceiling configuration requirements
- New comfort control option (patent pending)

Lo-Carbon Response

Continuous running, constant volume dMEV unit with switched live (LS) and innovative digital display. Quiet running and with high pressure development, the Response is best in class.

The New Response fan from Vent-Axia

Following the introduction of the new Domestic Ventilation Compliance Guide within Part F 2010, and the requirement to test the installed airflow of extract fans, the new Response fan from Vent-Axia provides the easiest install available.

The unique display (patent pending) provides the calibrated installed airflow and pressure of the installation meaning that there is no need to test the installation with an airflow measuring device.

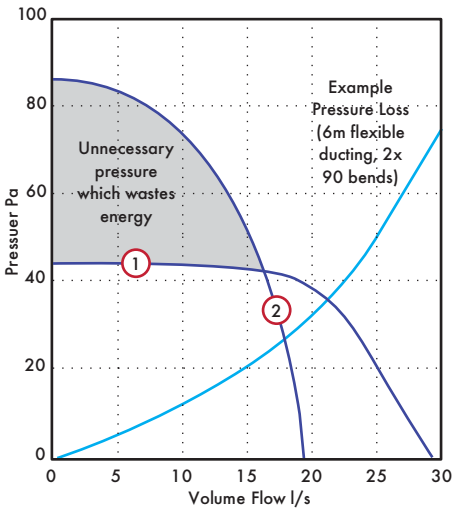
The constant volume technology automatically adjusts the speed of the fan to ensure the desired airflow is delivered. With the new silent higher pressure axial impellor this can meet the requirements of many domestic installations without the need to use a centrifugal fan.

Axial, rather than centrifugal?

Using the new high pressure silent axial impellor has enabled the fan to not only develop great installed performance over duct runs, but to do it in the most energy efficient way. Response can provide excellent pressure whilst still maintaining the energy efficiency and not wasting energy on high pressure at low air volumes.

Configuration	Location	Alternative Centrifugal Fan SFP	Vent-Axia Response SFP
In room	Kitchen	0.38	0.17
	Wet Room	0.29	0.18
Through Wall	Kitchen	0.36	0.13
	Wet Room	0.28	0.15

Existing centrifugal fans often develop pressure but the actual installed airflows can mean that the pressure is of no use as the airflow falls below the requirement. This enables the fan to save up to 64% of the specific fan power (SFP) of the SAP Appendix Q data for existing centrifugal alternatives.



1. Vent-Axia Lo-Carbon Response Fan
2. Competitor Product

Side view of airflow display

Be confident that the Response is delivering the right performance with our innovative digital display showing the airflow and system pressure of the installed product.

SAP Appendix Q Performance

Unit

Configuration	Location	SFP (W/l/s)
In room (rigid duct)	Kitchen	0.17
In room (rigid duct)	Wet Room	0.18
In room (flex duct)	Kitchen	0.17
In room (flex duct)	Wet Room	0.16
Through wall	Kitchen	0.13
Through wall	Wet Room	0.15

Model

Lo-Carbon Response dMEV

Auto speed selection at installation. The integrated ambient response sensor senses the speed of the rise in humidity and controls the fan accordingly.

Stock Ref

404535

Lo-Carbon Response/SELV TP (Timer/Pullcord)

For kitchen, utility and bathroom/toilet application, the continuous running TP model incorporates an adjustable overrun timer. This adjusts the time the fan will continue to run on boost after the LS connection has been deactivated. This is also the run time period for the pullcord.

Model	Stock Ref
TP	404876
SELV TP	404878

Lo-Carbon Response/SELV HTP (Humidistat/Pullcord)

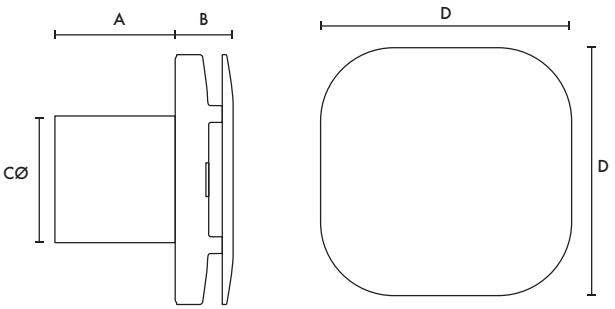
For kitchen, utility and bathroom/toilet applications, the continuous running HTP model incorporates an adjustable ambient response humidistat. The fan will increase the extract rate if the humidity rises above the point set at installation. Datalogger as standard.

Model	Stock Ref
HTP	404877
Response SELV HTP	404879

Wall Kit

Model	Stock Ref
White	254102
Brown	254100

Dimensions (mm)



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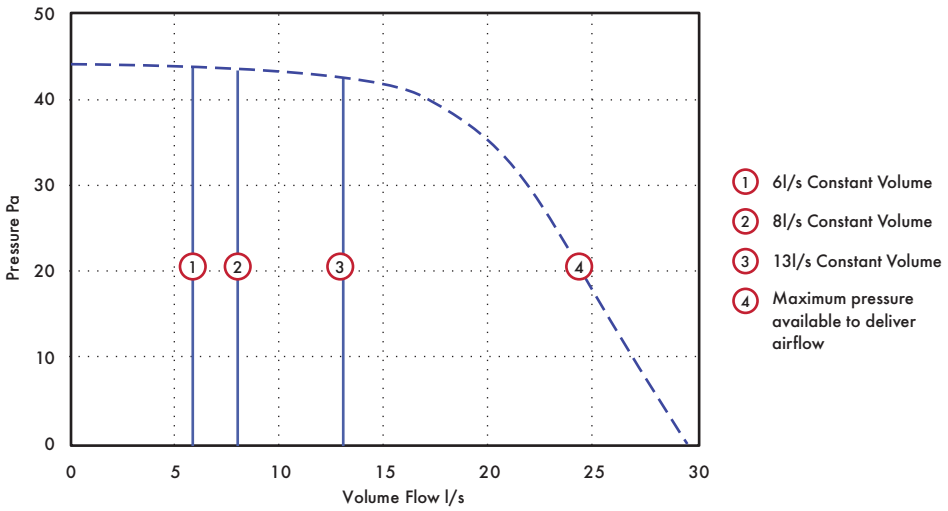
90	45	99	190

Performance Curve



Performance Curve

	Extract Performance l/s (m³/h) - FID			Watts			dB(A) @ 3m		
Model	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost
Lo-Carbon Response	6 (21)	8 (29)	13 (43)	1.0	1.2	1.7	12	17	32.5

Lo-Carbon Quadra®/SELV

'One Fan fits all' Centrifugal Fan

Features & Benefits

- Single fan for use in toilets, bathrooms, utility rooms and kitchens
- Meets current Building Regulations Approved Document F & L for intermittent or continuous use
- Guaranteed installed performance
- Recognised in SAP Appendix Q - Low SFP on SAP Q 0.38 W/l/s
- 100mm circular spigot for easy installation and replacement of any existing fan
- Filterless technology and maintenance free
- Lo-Carbon motors offering 90% energy savings and long life
- Motor cassette cartridge for simple replacement
- Suitable for flush or surface mounting
- 5 Year Motor Guarantee
- IPX4 rated - IPX7 rated (SELV)
- Suitable for wall, ceiling and panel mounting
- Datalogger standard on HTP versions

Lo-Carbon Quadra SELV

The Lo-Carbon Quadra SELV has been designed to meet building requirements where there is a need to fit in Zone 1 containing a fixed bath or shower according to IEE wiring regulations. The Lo-Carbon Quadra SELV can be safely installed within the spray area with the 24VDC Safety Isolating Power Supply situated away from the spray zone and out of reach of the person using the facility.

Ventilation for any room

The Lo-Carbon Quadra offers a single fan suitable for surface or flush mounting. Low speed selectable between 6, 9 and 12l/s and high between 15, 30 and 60l/s all with through the wall or two ducted selections to ensure installed performance is met.

Discrete

With discrete aesthetics and low noise levels due to an accurately balanced impeller, it is also one of the most unobtrusive centrifugal kitchen fans available. The front cover design also provides no area for dirt to build up so it stays looking better for longer.

Models

Lo-Carbon Quadra TP/SVTP (Timer/Pullcord)

Dual speed: continuous running or intermittent to high speed. High speed via pullcord (On/Off) or switch live (with overrun timer).

Model	Stock Ref
TP (surface only)	439251
TP (flush only)	405133
SVTP	442865
SVTP Datalogger	446269

Lo-Carbon Quadra HTP/SVHTP (Humidistat/Timer/Pullcord)

Dual speed: continuous running or intermittent to high speed. High speed via integral pullcord (On/Off), integral adjustable humidity sensor or switch live (with overrun timer). Data Logger as standard on all Lo-Carbon humidity controlled Quadra fans.

Model	Stock Ref
HTP (surface only)	439181
HTP (flush only)	405134
SVHTP	442866
SVHTP Datalogger	446270

Lo-Carbon Quadra TM/SVTM (Timer/PIR)

Dual speed: continuous running or intermittent to high speed. High speed via integral PIR sensor or switch live (both with overrun timer).

Model	Stock Ref
TM (surface only)	439253
TM (flush only)	405135
SVTM	442867

Flush Mounting Kit (for SELV only)
Stock Ref
439256

Filter (optional)
Stock Ref
439927

Decoration Frame
Stock Ref
442551

Wall Kit
Stock Ref
254102 (White)
254100 (Brown)

Mounting Options

Mains Mounting Options	Surface Mounted Only	Flush Mounted Only
Lo-Carbon Quadra TP	439251	405133
Lo-Carbon Quadra HTP	439181	405134
Lo-Carbon Quadra TM	439253	405135

SELV Mounting Options	Surface Mounted Only	Flush Mounted Only
Lo-Carbon Quadra SVTP	442865	442865 + *439256
Lo-Carbon Quadra SVTP Datalogger	446269	446269 + *439256
Lo-Carbon Quadra SVHTP	442866	442866 + *439256
Lo-Carbon Quadra SVHTP Datalogger	446270	446270 + *439256
Lo-Carbon Quadra SVTM	442867	442867 + *439256

*Please note seperate flush mounting kit must ordered in conjunction with the fan on SELV versions as shown above

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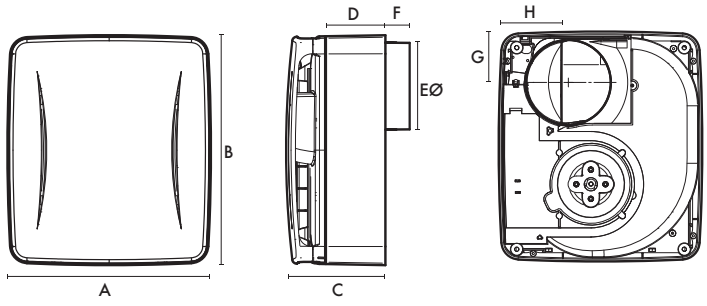
Winners of the Energy Efficiency Initiative 2011 Award
with our Lo-Carbon Continuous Ventilation Product Range.

Dimensions (mm)

Front View | Side View | Rear View



A	B	C	D	EØ	F	G	H
230	260	112	67	98	27	58	79

SAP Appendix Q Performance

Systems With Rigid Ductwork Installation Only

Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room	Kitchen	15 l/s	15.8	0.41
In Room	Wet Room	9 l/s	14.6	0.61
Through Wall	Kitchen	15 l/s	21.4	0.38
Through Wall	Wet Room	9 l/s	19.5	0.50

Systems With Flexible Or Mixed Ductwork Installation Only

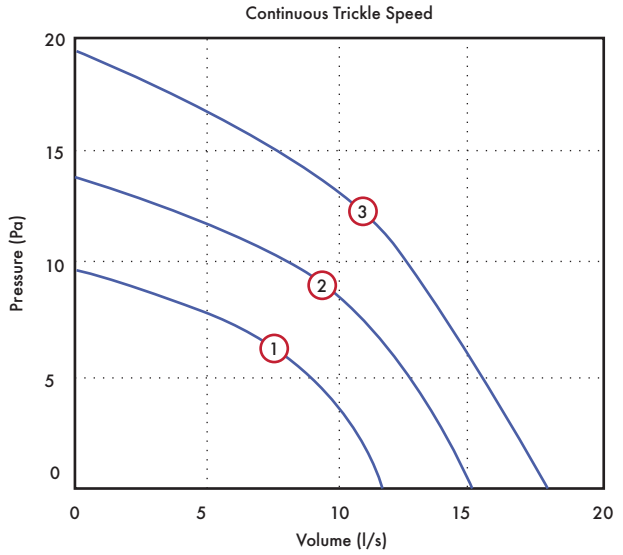
Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room	Kitchen	15 l/s	13.7	0.41
In Room	Wet Room	9 l/s	12.9	0.63
Through Wall	Kitchen	15 l/s	21.4	0.38
Through Wall	Wet Room	9 l/s	19.5	0.50

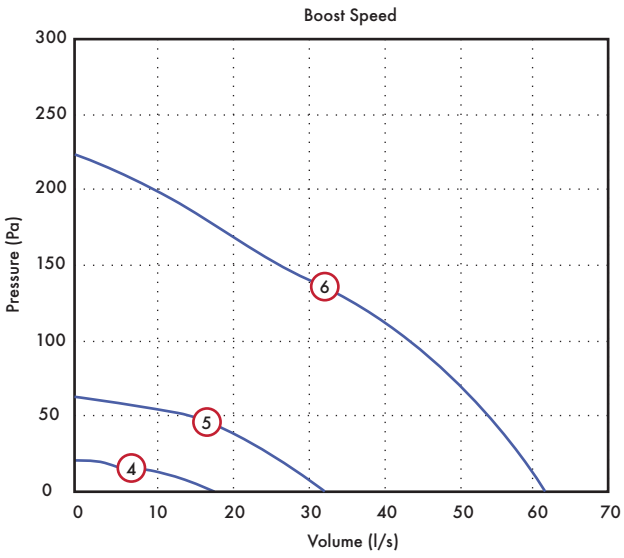
Performance Guide

	Extract Performance				Power		Sound	
	High		Low		High	Low	dB(A) @ 3m	
Model	m^3/h	l/s	m^3/h	l/s	Watts	Watts	High	Low
Lo-Carbon Quadra/SELV TP/ HTP/ TM	223	63	22	6	38	3.8	50	20

*Tested in through the wall installation

Performance Curve





1. Quadra 6 l/s
2. Quadra 9 l/s
3. Quadra 12 l/s
4. Quadra 15 l/s
5. Quadra 30 l/s
6. Quadra 60 l/s

Lo-Carbon Tempra/SELV

Single Room Heat Recovery Unit

Features & Benefits

- Fits in 100mm diameter hole – ideal for refurbishments
- Up to 84% heat recovery
- Available in 2 wall depths: 320mm and 460mm
- Reduces the home's carbon footprint
- Choice of control options
- Suitable for refurbishment
- Summer setting
- Helps prevent noise ingress
- Continuous running or intermittent extract
- Meets current Building Regulations Approved Documents F and L
- Low SFP of 0.3W/l/s
- IPX4 rated

Through-The-Wall Mounted Heat Recovery Unit

The Vent-Axia Lo-Carbon Tempra is designed to fit in a 100mm diameter hole and is suitable for refurbishment, kitchen, bathroom, toilet or utility applications. The unit meets the performance requirements for continuous extract fans under the current Building Regulations Approved Document F.

The Tempra is available in three models, a P version with pullcord control, a T version with overrun timer and an HTP version with built-in pullcord, overrun timer and humidistat. Two spigot lengths are available; 320mm and 460mm.

The manual summer setting allows the unit to be set to extract only, helping to prevent a dwelling becoming too warm in hot summer conditions.

Performance

Tempra can be set to run continuously at 6 l/s or 9 l/s, boosting up to 15 l/s, recovering heat from extracted air and returning it to the dwelling. The unique, compact heat exchanger has a temperature efficiency up to 84%, saving energy and reducing your carbon footprint. For intermittent extract the Tempra is set to 15 l/s.

The Tempra is also designed so that the replacement air being introduced is at a reduced rate ensuring that the room being ventilated is still under a slight negative pressure. This ensures that fresh air is bought into the room from the rest of the house preventing humid air migrating to the rest of the house.

The Lo-Carbon ECDC motor with twin impellers consumes as little as 3.2 Watts on trickle rate and runs almost silently at only 20dB(A).

Typical Installation

The unique heat exchanger design allows the Tempra to be fitted in a 100mm diameter hole, allowing it to replace standard 100mm extract fans while giving all the benefits of heat recovery. Maximum wall thickness is 460mm.

A longer version of the Tempra is available, designed for installations where the wall thickness is between 320mm and 460mm. 460mm models are identified by an 'L'.

Models

Lo-Carbon Tempra P (Pullcord)
Constant trickle speed with pullcord to boost or intermittent operation by pullcord.

Model	Stock Ref
320mm P	443312
320mm SELV P	444368
460mm LP	403832
460mm SELV LP	403833

Lo-Carbon Tempra T (Timer)
Constant trickle speed with switch live to boost or intermittent operation by switch live.

Model	Stock Ref
320mm T	443310
320mm SELV T	444369
460mm LT	403834
460mm SELV LT	403835

Lo-Carbon Tempra HTP (Humidistat/Timer/Pullcord)
Constant trickle speed with humidistat and linked overrun timer to boost or intermittent operation by switch live.

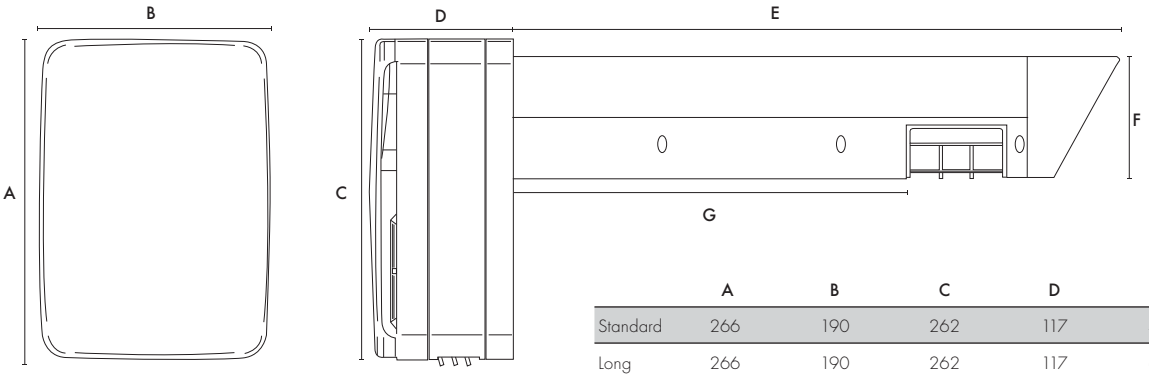
Model	Stock Ref
320mm HTP	443311
320mm SELV HTP	444370
460mm LHTP	403836
460mm SELV LHTP	403837

Accessories

100mm High Rise Kit - 320mm white duct with black seal
Stock Ref
449011

Tempra wall sleeve - suitable for 320mm and 460mm versions
Stock Ref
445529

Dimensions (mm)



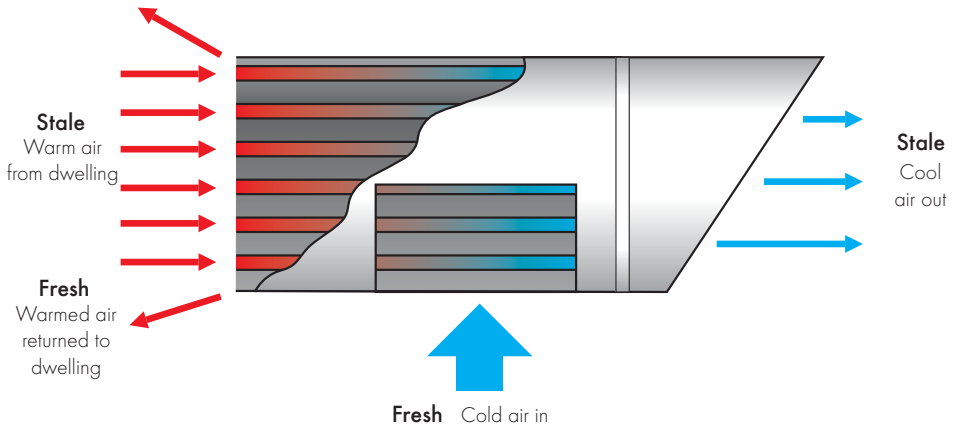
	A	B	C	D	E	F	G
Standard	266	190	262	117	496	99	321
Long	266	190	262	117	636	99	461

Performance

	Extract Performance l/s			Power Consumption Watts			Sound @dB(A)		
Model	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost
Lo-Carbon Tempra (All Models)	6	9	15	3.2	5.7	26.6	20	22	36

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

Heat Exchange (what is heat recovery?)



Lo-Carbon Solo Plus/SELV

Centrifugal Bathroom/Toilet Fan

Features & Benefits

- Up to 70% energy saving
- Filterless as standard - innovative impeller design means no need for a filter
- Integral Lo-Carbon power supply
- Meets current Building Regulations Approved Documents F & L
- IPX4 rated - IPX7 rated (SELV)
- Flush or surface mountable
- Adjustable rear or side exit spigot
- Lo-Carbon Solo Plus SELV is suitable for installation over or within reach of a shower or bath
- Extremely low sound levels
- 5 Year Motor Guarantee
- Suitable for wall, ceiling and panel mounting
- SELV Models - Supplied with a remote transformer

Long Life Ventilation

The Lo-Carbon Solo Plus range from Vent-Axia has been specially designed for through the wall and ducted applications, suitable for internal bathrooms, toilets and other small rooms. Finished in white, the Lo-Carbon Solo Plus can be flush or surface mounted, with a 2 position 100mm circular spigot for rear entry or connecting to a vertical ducting system. The powerful centrifugal impeller allows installations using 100mm ducting in straight runs, whilst still achieving 15l/s as required by Building Regulations Approved Document F.

Continuous running products, such as the Solo Plus, installed in all wet areas of a dwelling are classed as a wholehouse ventilation system and therefore only need to move the amount of air as outlined in table 5.1a and 5.1b of Building Regulations Approved Document F.

The Lo-Carbon Solo Plus has an adjustable boost speed which is set at installation variable between a wall or duct setting for boost/override operation to meet Building Regulations thus ensuring minimum energy usage and low sound levels. All models have an optional speed for constant trickle ventilation (12l/s), selectable at installation. Depending on the model, the fan will switch from trickle (if selected) to boost via the pullcord/light switch/humidity sensor/PIR.

All models can be wall, panel or ceiling mounted and can be connected to either circular, rectangular or Vent-Axia's flat ducting. Enclosure of the electrical components is manufactured from flame retardant grade material.

Safety Extra Low Voltage Fan (SELV)

Designed for areas where a fan has to be fitted over or within Zone 1 in a room containing a fixed bath or shower according to IEE wiring regulations (BS 7671), the Lo-Carbon Solo Plus SELV fan can be safely installed within the spray area. The fan is rated IPX7. Control is by mains safety isolating transformer unit with 12V DC SELV output, which is sited away from any source of spray and out of reach of a person using a fixed bath or shower. Controller Supply voltage 220-240V/1/50Hz. Output to fan SELV 12V DC.

Models

Lo-Carbon Solo Plus/SELV P (Pullcord)

Flush or surface mountable. Control by Pullcord. 2 Speed. Constant trickle option. Adjustable boost. In-built Lo-Carbon controller.

Model	Stock Ref
P	427481
SELV P	427485

Lo-Carbon Solo Plus/SELV T (Timer)

Flush or surface mountable. Control by room light or switch. 2 Speed. Constant trickle option. Adjustable boost. Adjustable timer overrun. Delay on timer. In-built Lo-Carbon controller.

Model	Stock Ref
T	427482
SELV T	427486

Lo-Carbon Solo Plus/SELV HT (Humidistat-Timer)

Flush or surface mountable. Humidity controlled fan with override pullcord. Constant trickle option. Adjustable boost. Adjustable timer overrun. Delay on timer. Adjustable humidity sensor. In-built Lo-Carbon controller. Data Logger as standard on all Lo-Carbon humidity controlled Solo Plus fans.

Model	Stock Ref
HT	427483
SELV HT	427487

Lo-Carbon Solo Plus/SELV TM (Timer/PIR)

Flush or surface mountable. Control by integral PIR detector. 2 Speed. Constant trickle option. Adjustable boost. In-built Lo-Carbon controller.

Model	Stock Ref
TM	427484
SELV TM	427488

Lo-Carbon Solo Plus Bezel

Used when flush mounting - reduces the need to make good.

Stock Ref
404106

Wall Kit

Stock Ref
254102 (White)
254100 (Brown)

Filter pack (1 per pack)

The design of the Solo Plus means that is does not need a filter. However, if you are going to install the product in a heavily greasy environment, you may want to protect the product by fitting a filter.

Stock Ref
449265

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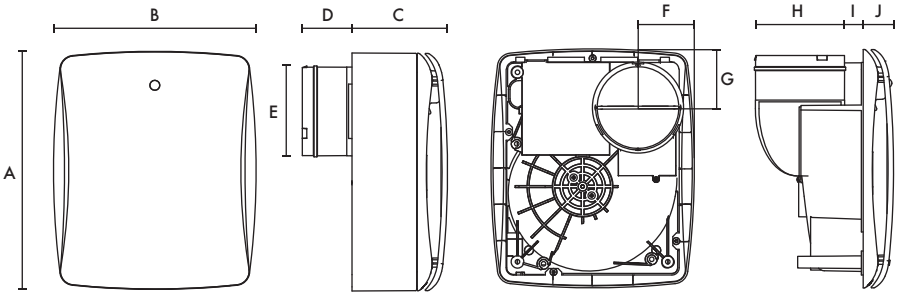
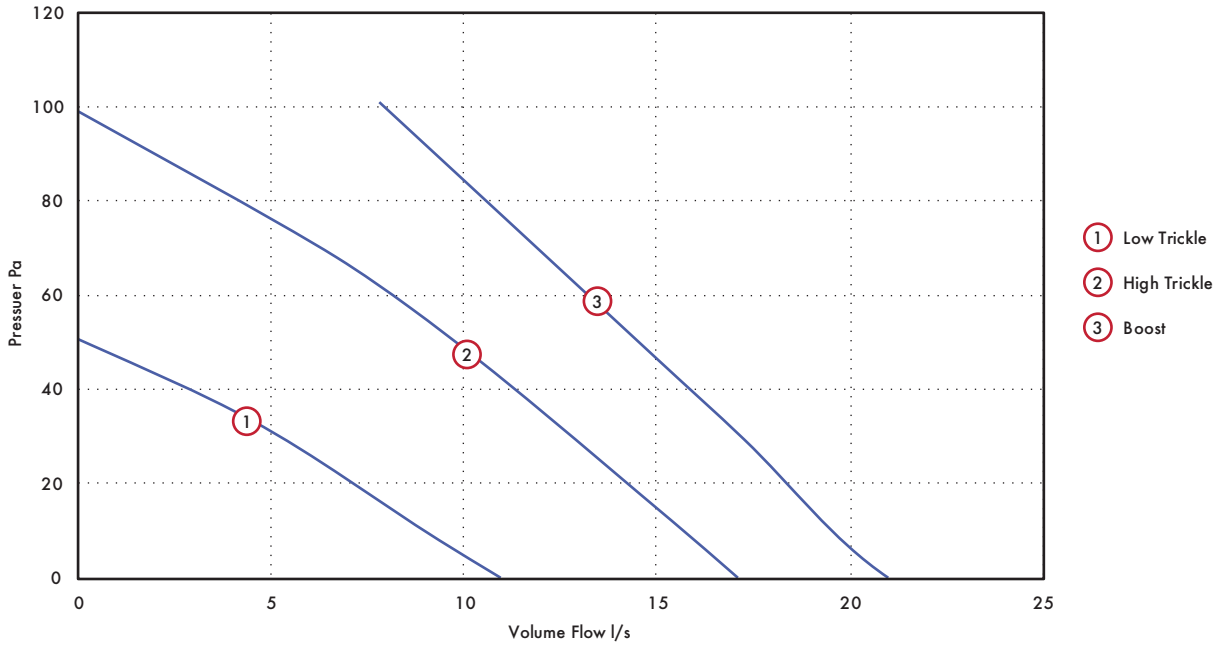
Dimensions (mm)



A	B	C	D	EØ
263	224	106	55	98
F	**G**	**H**	**I**	**J**
62	65	98	21	34

Weight 2.2kg, SELV Weight 2.7kg.
Lo-Carbon SELV controller dimensions: (W x H x D) 87x87x33mm.

Performance Curve (Duct Mode)



Performance Guide

Model		Extract Performance l/s (m³/h)			Power consumption - Watts			dB(A) @ 3m			SFP (W/l/s)
		Boost	High trickle	Low Trickle	Boost	High trickle	Low Trickle	Boost	High trickle	Low Trickle	@ 0Pa
Lo-Carbon Solo Plus/SELV P/T/HT/TM	Wall mode	18 (64.8)	12 (43.2)	8 (28.8)	6	2.9	2.3	33.5	27	23.5	0.33
	Duct mode	21 (75.6)	17 (61.2)	11 (39.6)	8.4	5.3	3.2	35.5	33	26	0.40

Tested at 240VAC @ 50Hz

Lo-Carbon VA100®/SELV

Axial Bathroom/Toilet Fans

Features & Benefits

- Meets current Building Regulations Approved Document F & L
- Suitable for wall, ceiling, panel and window mounting
- Fitted with a motorised shutter
- 5 Year Motor Guarantee
- Protected against low energy lighting circuits
- Reduces your carbon footprint
- IPX4 rated - IPX7 rated (SELV)
- Efficient long life DC motor
- Uses up to 87% less energy
- Low sound levels
- 1 of 2 speeds selectable at installation
- Low specific fan power
- SELV Models - Supplied with a remote transformer
- Datalogger as standard on all models

Long Life Ventilation VA100

The improved Vent-Axia Lo-Carbon VA100 range features Lo-Carbon long life DC motors that are more efficient than conventional motors whilst delivering up to 87% energy savings.

Shutters

The Vent-Axia Lo-Carbon VA100 range is fitted with a motorised shutter mechanism that uses no extra power in operation or off.

Installation

Fitted with integral protection against low energy lighting circuits, the VA100 is a 100mm axial fan suitable for use in the bathroom or toilet. VA100 is a quick and simple to fit product with easy-wire on one line terminals. Suitable for installation in window, walls or panels/ceilings at any angle using kits available. The 100mm telescopic wall kit fit walls 225 to 360mm thick.

The range meets the requirements of the current Building Regulations for the ventilation of toilets 6l/s and bathrooms 15l/s with a 15 minute overrun timer for internal rooms on the LT, XT and HTP models.

Models

Lo-Carbon VA100/SELV LP (Pullcord)

Ultra long life DC motor. Pullcord On/Off override switch with indication light. 2 speed options.

Model	Stock Ref
LP	443159
SELV LP	441614

Lo-Carbon VA100 XP/SELV (Shutter/Pullcord)

Ultra long life DC motor. Pullcord and On/Off override switch with indication light. 2 speed options.

Model	Stock Ref
XP	443160
SELV XP	459049

Lo-Carbon VA100/SELV LT (Timer)

Electronic adjustable overrun timer (5-30 minutes). Indication light. 2 speed options.

Model	Stock Ref
LT	443161
SELV LT	441615

Lo-Carbon VA100/SELV XT (Shutter/Timer)

Integral electronic adjustable overrun timer (5-30 minutes). Indication light. 2 speed options.

Model	Stock Ref
XT	443162
SELV XT	459050

Lo-Carbon VA100/SELV LHTP (Integral Humidity Sensor/Pullcord)

Complete with integral humidity control with pullcord override. Indication light which operates on the manual override only. 2 speed options.

Model	Stock Ref
LHTP	443163
SELV LHTP	441616

Lo-Carbon VA100/SELV XHTP (Shutter/Integral Humidity Sensor/Pullcord)

Complete with integral humidity control with pullcord override. Indication light which operates on the manual override only. IPX4 rated. 2 speed options.

Model	Stock Ref
XHTP	443164
SELV XHTP	436064

Wall Kit

Fixing hole diameter 105mmØ

Stock Ref

254102 (White)

254100 (Brown)

Window Kit

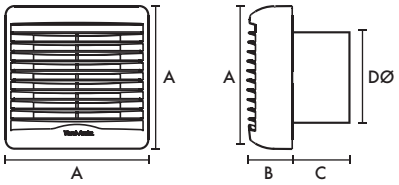
Fixing hole diameter 117mmØ

Stock Ref

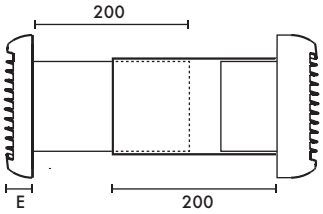
254101

Dimensions (mm)

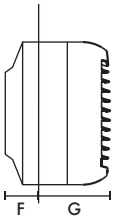
Panel



Wall



Window



	A	B	C	DØ	E	F	G
Bathroom/Toilet	155	47	63	98	31	32	76
SELV Transformer (W x H x D) 87 x 87 x 33							
Weight 1kg							

Performance

		Extract Performance - FID			Sound dB(A)	SFP (W/l/s)
Area	Models	m^3/h	l/s	Watts	@ 3m	@ 0Pa
Toilet	Lo-Carbon VA100/SELV LP/XP/LHTP/XHTP/LT/XT	60	17	3.4	32	0.20
Bathrooms	Lo-Carbon VA100/SELV LP/XP/LHTP/XHTP/LT/XT	74	21	6.1	36	0.90

Lo-Carbon Silhouette® 100/SELV

Bathroom/Toilet Fans

Features & Benefits

- Models Basic/Timer/Humidity - Installation options
- Low power consumption - Lower running costs
- Quiet running
- Fully opening and closing shutters - Improved insulation
- Meets current Building Regulations Approved Document F & L
- 1 of 2 speeds selectable at installation
- Non transparent shutters - Enhanced privacy
- Blue power indication light - Modern aesthetics
- Ball bearing motors for vertical or horizontal application
- Unique humidity sensor track - Improved response
- 5 Year Motor Guarantee
- IPX4 rated - IPX7 rated (SELV)
- Suitable for wall, ceiling, panel and window* mounting
- SELV Transformer to BS EN 60742
- SELV Models - Supplied with a remote transformer

Slimline Bathroom Ventilation

With a slim profile of only 17mm, Silhouette blends in with the wall surface to provide an unobtrusive installation. Silhouette has an FID performance of up to 24 l/s. Silhouette can be ceiling/panel mounted and connected to an appropriate duct run to the outside.

Safety Extra Low Voltage (SELV) is designed for areas where a fan has to be fitted within zone 1 in a room containing a fixed bath or shower according to IEE wiring regulations. The Silhouette SELV can be safely installed within the spray area. The fan is rated IPX7, control is by a mains safety isolating transformer with 12V DC SELV output, which is sited away from any source of spray and out of reach of a person using a fixed bath or shower.

Models

Lo-Carbon Silhouette 100B/SELV 100SVB

100mm bathroom/toilet fan with indicator light and back draught shutter.

Model	Stock Ref
100B	441624
SELV 100SVB	441511

Lo-Carbon Silhouette 100T/ SELV 100SVT (Timer)

100mm bathroom/toilet fan with integral adjustable electronic overrun timer (5-30 minutes), indicator light which operates on manual override only, and back draught shutter.

Model	Stock Ref
100T	441625
SELV 100SVT	441512

Lo-Carbon Silhouette 100HT (Humidistat/Timer)

100mm bathroom/toilet fan with adjustable auto humidity sensor from 60-90% RH and overrun timer, indicator light which operates on manual override only, and back draught shutter. Data Logger as standard on all Lo-Carbon humidity controlled Silhouette fans.

Model	Stock Ref
100HT	441626

Lo-Carbon Silhouette 100H SELV (Humidistat)

100mm bathroom/toilet fan with adjustable auto humidity sensor from 60-90% RH, indicator light which operates on manual override only, and back draught shutter.

Safety Extra Low Voltage version.

Model	Stock Ref
SELV 100SVH	441513

Wall Kit

Fixing hole diameter 117mmØ

Stock Ref

254102 (White)

254100 (Brown)

Window Kit

Fixing hole diameter 117mmØ

Stock Ref

442947

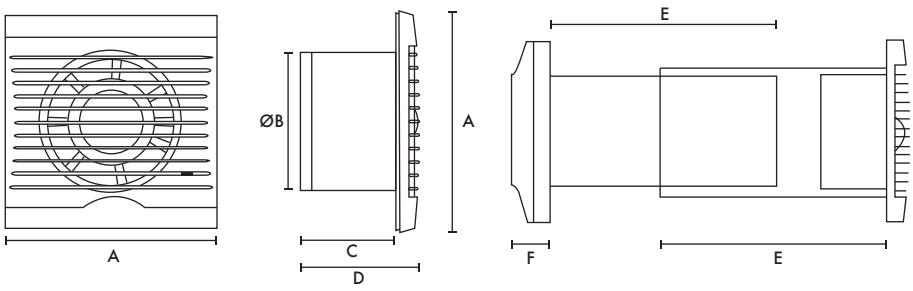
17mm actual profile

Back draught prevention vanes fitted on discharge

Dimensions (mm)

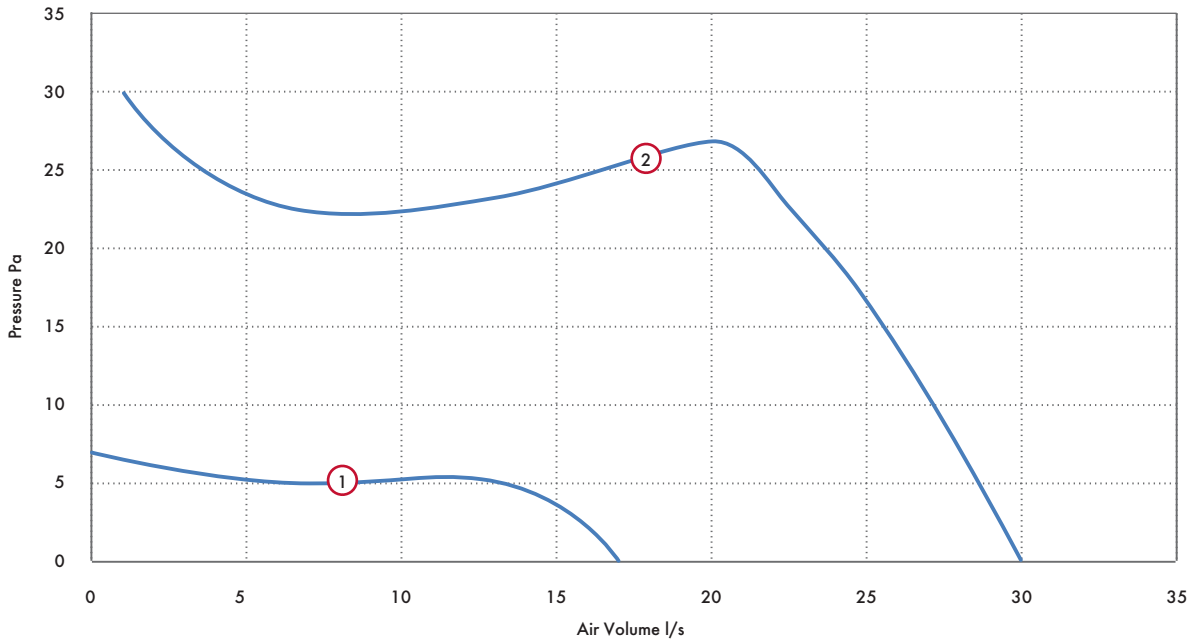
Panel

Wall Kit



A	BØ	C	D	E	F
160	99	115	132	200	32
SELV Transformer (WXHXD) 87X87X33					
Weight 0.6kg					

Performance Curve



Performance Guide

			Extract Performance - FID			Sound dB(A)	SFP (W/l/s)
Area	Model	Curve Ref	m^3/h	l/s	Watts	@ 3m	@ 0Pa
Toilet	Lo-Carbon Silhouette 100 B/T/H/SVB/SVT/SVH	1	60	17	3.4	34	0.20
Bathrooms	Lo-Carbon Silhouette 100 B/T/H/SVB/SVT/SVH	2	108	30	8.7	38	0.30

* For window mounting shutter cannot be used and must be removed

Lo-Carbon VA150

Axial Kitchen & Utility Room Fans

Features & Benefits

- Reduces the home's carbon footprint
- Long life Lo-Carbon motor lasts up to 5 times longer than conventional motors
- Up to 60% energy saving
- Meets current Building Regulations Approved Document F & L when installed
- IP44 rated
- Low sound levels
- 5 Year Motor Guarantee
- Suitable for wall, ceiling, window and panel mounting
- Fitted with a motorised shutter
- 1 of 2 speeds selectable at installation

Long Life Ventilation

Vent-Axia Lo-Carbon VA150 fans feature Lo-Carbon long life DC energy saving motors that last up to 5 times longer than conventional motors, whilst delivering up to 60% energy savings. The extended life of Lo-Carbon fans is due to the use of a new generation of high quality electronically controlled ball-bearing motors especially developed for this range. The motors are perfectly designed for the wet conditions of utility rooms and kitchens, extracting stale, moisture-laden air quietly and efficiently.

Shutters

The Vent-Axia Lo-Carbon VA150 range is fitted with a motorised shutter mechanism that uses no extra power in operation or off.

Installation

The Lo-Carbon VA150 range is suitable for installation in panels, walls or windows using the kits available. Lo-Carbon fans are quick and simple to fit using reversible grommets and easy-wire terminals, and are suitable for wall or ceiling mounting at any angle.

150mm telescopic wall kits are available with a white or brown outside grille. The kit is supplied with a telescopic wall sleeve to fit walls 225–360mm thick. Hole diameter 152mm.

Window fitting kits are available for use with all Lo-Carbon 150mm models through single or double glazed windows up to 40mm thick. Hole diameter 152mm.

Models

Lo-Carbon VA150P
(Shutter/Pullcord)
Ultra long life DC energy saving motor. Fitted with a motorised shutter. Controlled via pullcord On/Off switch.
Stock Ref
459123

Lo-Carbon VA150T
(Shutter/Timer)
Ultra long life DC energy saving motor. Fitted with a motorised shutter. Controlled via integral power supply with electronic adjustable overrun timer (5-30 minutes).
Stock Ref
459124

Lo-Carbon VA150HP
(Shutter/Humidistat)
Ultra long life DC energy saving motor. Fitted with a motorised shutter. Controlled via integral power supply with pullcord override switch and adjustable humidity sensor (60-95% RH).
Stock Ref
459125

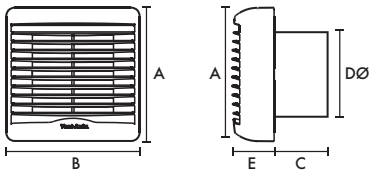
Wall Kit
Stock Ref
140902 (White)
140903 (Brown)

Window Kit
Stock Ref
140901

Dimensions (mm)

A	B	C	DØ	E
216	224	80	146	60

Weight 1.2kg



Performance

		Extract Performance		Sound dB(A)		SFP (W/l/s)
Setting	Model	m³/h	l/s	@ 3m	Watts	@ 0Pa
Utility Setting	Lo-Carbon VA150P/T/HP	160	46	33	7.5	0.16
Kitchen Setting	Lo-Carbon VA150P/T/HP	230	64	36	11.5	0.18

T: 0844 856 0590

Lo-Carbon Silhouette® 150

Axial Kitchen Fans

Features & Benefits

- Stylish ultra low profile grille
- Downstream airflow guide vanes for improved pressure development
- Ball bearing motors for vertical or horizontal application
- Wall kit design meets Building Regulations Approved Document F requirements
- 5 Year Motor Guarantee
- 1 of 2 speeds selectable at installation
- IPX4 rated
- Low Specific Fan Power
- Suitable for wall, ceiling and panel mounting

Slimline Lo-Carbon Kitchen Ventilation

The Lo-Carbon Silhouette range is designed for modern living. With a profile of only 19mm on the kitchen models, Lo-Carbon Silhouette blends in with the wall surface to provide an unobtrusive installation.

Mounted in the centre of the fan, beneath the ultra slim profile grille, are the electronics, incorporating a humidistat (HT model) for detecting a change in internal humidity or an overrun timer option that is adjustable between 5 and 30 minutes.

FID performance of 67l/s, double insulated. Power consumption only 8.2 Watts.

Models

Lo-Carbon Silhouette 150B

150mm kitchen fan with indicator light and back draught shutter.

Stock Ref
441628

Lo-Carbon Silhouette 150T (Timer)

150mm kitchen fan with integral adjustable electronic overrun timer (5-30 minutes), indicator light which operates on manual override only and spring back draught shutter.

Stock Ref
441629

Lo-Carbon Silhouette 150HT (Humidistat/Timer)

150mm with integral adjustable auto humidity sensor from 60-90% RH and overrun timer, indicator light which operates on manual override only and back draught shutter. Data Logger as standard on all Lo-Carbon humidity controlled Silhouette fans.

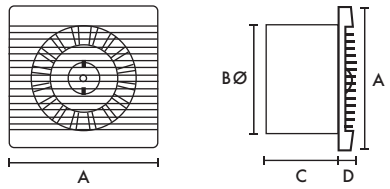
Stock Ref
441630

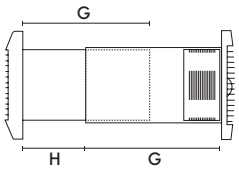
Wall Kit
Stock Ref
140902 (White)
140903 (Brown)

Dimensions (mm)

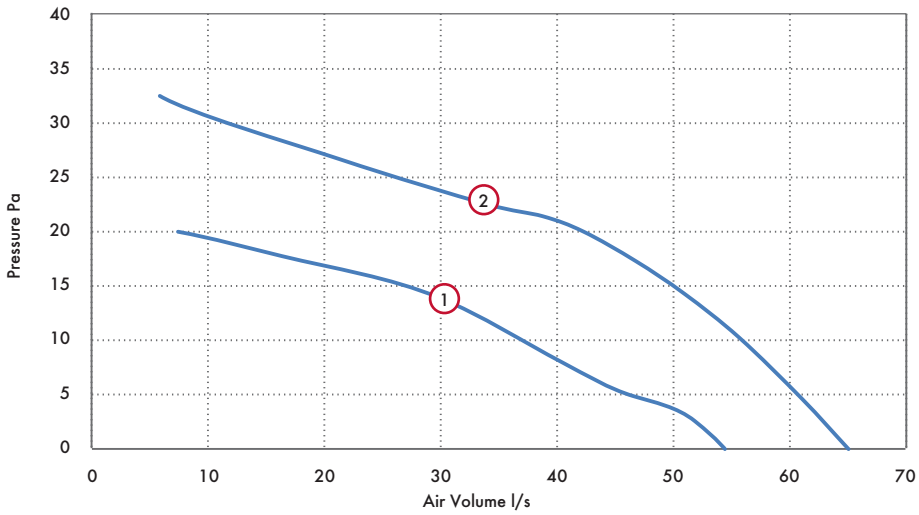
A	BØ	C	D	G	H
223	147	130	19	220	37

Weight 1.75kg





Performance Curve



Performance Guide

Setting	Model	Curve Ref	Extract Performance m³/h	l/s	Watts	Sound dB(A) @ 3m	SFP (W/l/s) @ 0Pa
Utility Setting	Lo-Carbon Silhouette 150B/T/HT	1	200	55	6	35	0.11
Kitchen Setting	Lo-Carbon Silhouette 150B/T/HT	2	234	65	9	43	0.14

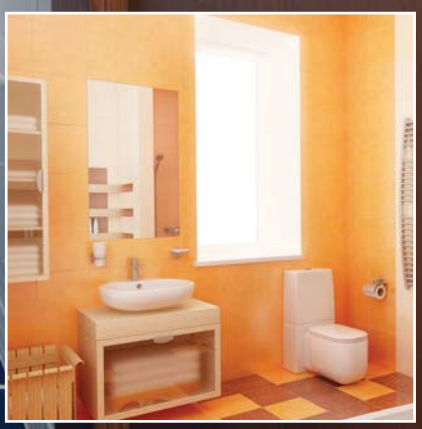
Fixing hole diameter 152mmØ (when wall kit used)

Lo-Carbon PIV Systems

For controlling condensation particularly in the refurbishment sector, the Vent-Axia Lo-Carbon PoziDry offers a quick and simple solution. A positive input fan draws fresh air from atmosphere, filters it and pushes it into the dwelling via a ceiling mounted diffuser. Stale air in the property is forced out through the natural forms of ventilation, such as window mounted trickle vents.

Vent-Axia®

Lo-Carbon PIV Systems



Lo-Carbon PoziDry

Positive Pressure Unit

Features & Benefits

- Reduces your carbon footprint
- Selectable air capacities to suit floor area up to 150m²
- Data logger feature as standard
- Uses latest Lo-Carbon technology motor for low running costs
- Ultra low sound level
- Lo-Carbon PoziDry comes complete with ceiling diffuser, flexible duct and worm drive clips
- Standard 5 year guarantee
- Up to 5 year maintenance free G4 filter
- IPX2 rated
- SFP of 0.22W/l/s

Positive Pressure Ventilation

For controlling condensation particularly in the refurbishment sector, the Vent-Axia Lo-Carbon PoziDry offers a quick and simple solution. A loft mounted positive input fan draws fresh air from atmosphere, filters it and pushes it into the dwelling via a ceiling mounted diffuser. Stale air in the property is forced out through the natural forms of ventilation, such as window mounted trickle vents.

Without heater
Stock Ref
444075

With integral heater
Stock Ref
444766

Installation

It is simply installed out of sight in the loft space. It can be suspended from a roof beam or be floor mounted, with a purpose-designed diffuser normally located over the stairwell of a conventional two storey dwelling or in the main hall of a bungalow. The Lo-Carbon PoziDry is set to the appropriate speed at installation based on the size of the dwelling, providing positive pressure input ventilation. Background ventilation openings provide the exhaust points.

Performance

The robust construction of the Lo-Carbon PoziDry features a specially developed Lo-Carbon DC fan/motor arrangement which runs quietly and delivers incredibly low running costs. The Lo-Carbon PoziDry uses a sensor to monitor the temperature in the loft, automatically adjusting the air volume when necessary. 'Trickle' speed is automatically selected when the ambient loft temperature is up to 18°C. 'Normal' is automatically selected when the ambient loft temperature is between 18 and 27°C.

If the ambient loft temperature exceeds 27°C, the Lo-Carbon PoziDry will automatically switch to standby (no airflow). The standby power consumption is 2W.

In the case of the integral 500W heater version, the heater element is automatically activated when necessary and tempers the supply air to 10°C. Can be used for air replacement in conjunction with an extract fan.

Filter

The unit includes a filter with up to 5 years maintenance intervals to reduce the number of call outs needed throughout its life span.

Data Logger

As standard. Measures the number of days the product has been switched on to provide precise running information.

Speed Control

With selection of 2 of 6 speeds available up to 50l/s, the unit is suitable for houses up to 360m³.

Heater

An optional comfort heater is available for operation when the incoming air temperature becomes low.

Typical Specification

The unit should be mounted in the loft space with a diffuser in self-extinguishing ABS positioned at the top of the stairwell. The unit meets the EMC and low voltage directives.

Motor

The electronically controlled DC motor is manufactured with long life ball bearings and is fitted with Standard Thermal Overload Protection (S.T.O.P.). Suitable for ambient operating temperatures of -25°C to +40°C. For complete peace of mind, the Vent-Axia Lo-Carbon PoziDry is backed by a 5 year guarantee.

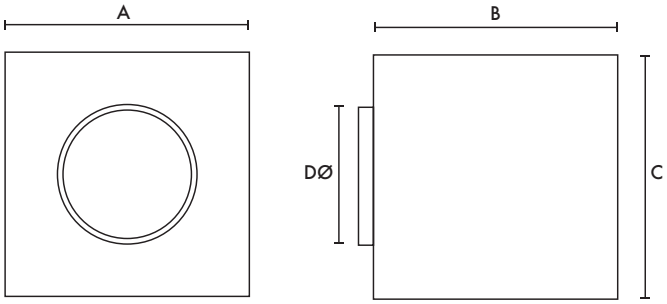
Twin Spigot Kit

An additional kit to allow an extra circular diffuser to be installed near the PoziDry unit.
Stock Ref
449071

Includes:
1 x 436592 (200mm Duct)
2 x 561707 (Worm Clips)
1 x 452085 (200mm equal Y Piece)
1 x 10544200 (Diffuser)

T: 0844 856 0590

Dimensions (mm)



A	B (depth)	C	DØ	Weight
438	411	379	200	11.5kg

Performance

Speed	FID (l/s)	Power (W)*	Floor Area up to (m²)
1	10	2.5	30
2	18	3	54
3	26	4	78
4	34	5	102
5	42	7	126
6	50	13	150

*add 500W for heater version

Sound Data

		Octave band, Hz, dB SWL								SPL dB(A)
Setting	Test mode	63	125	250	500	1k	2k	4k	8k	at 3m
Speed 1	Supply	33.2	28.3	25.4	15.3	17.2	12.6	16.4	22.7	8.5
	Breakout/Intake	36.7	25.3	26.9	16.1	28.6	30.4	18.4	23.8	13.5
Speed 6	Supply	65.2	57.2	60.8	67.6	62.2	59.7	50.8	41.2	19.0
	Breakout/Intake	39.7	37.0	43.9	41.1	37.6	32.5	27.1	26.1	22.0

Lo-Carbon
PoziDry Compact
Positive Pressure Unit

Features & Benefits

- Ultra low sound level
- Selectable air capacities to suit volumes of up to 34 l/s or floor area up to 100m²
- Extremely low running costs - from less than one pence per day
- Washable, high capacity filter
- Data logger feature as standard
- Round to rectangular duct adaptor included
- 5 Year Guarantee
- Ideal for flats

Positive Pressure Ventilation

For those properties that do not have a loft, Lo-Carbon PoziDry Compact provides an easy to install solution. The unit is duct mounted and can be fitted in a number of locations within a single floor flat or apartment.

Air is drawn into the Lo-Carbon PoziDry Compact unit via an external inlet and through a short length of duct. The specially developed fan/motor assembly (using the Lo-Carbon DC motor technology) draws the air through an integral, high capacity, washable filter. The backward curved impeller guarantees increased efficiency, lower sound levels and better performance.

The fresh, filtered airflow passes along the ducting and terminates on an internal wall with a discreet grille. This directs the airflow upwards where the incoming air mixes with the warm air that gathers at ceiling height.

The system automatically provides fresh, tempered airflow into the home. Creating an environment where the damaging effects of condensation find it hard to exist benefits both the occupants and the structure of the home.

Can be used for air replacement in conjunction with an extract fan. G4 filter as standard.

Model

Without heater
Stock Ref
444076

With integral heater
Stock Ref
444767

Performance

The Lo-Carbon PoziDry uses a sensor to monitor the ambient temperature, automatically adjusting the air volume when necessary.

'Trickle' speed is automatically selected when the ambient temperature is up to 18°C.

'Normal' is automatically selected when the ambient temperature is between 18 and 27°C.

If the ambient temperature exceeds 27°C, the Lo-Carbon PoziDry will automatically switch to standby (no airflow). The standby power consumption is 2W.

In the case of the integral 300W heater version, the heater element is automatically activated when necessary and tempers the supply air to 10°C.

Air Replacement Grille Set

For air replacement through doors. Consists of a two-piece telescopic set, which fits unobtrusively on either side of the door panel. Minimum fixing thickness 30mm. Plastic. Dimensions: 454 x 90mm.

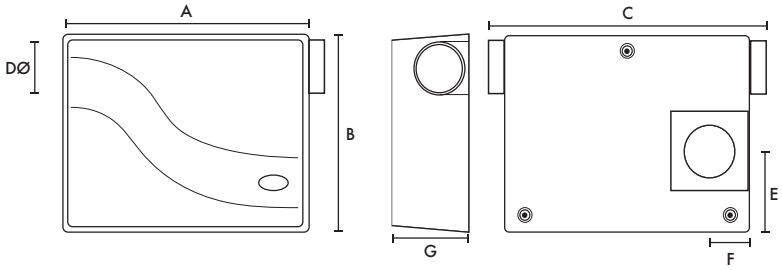
Data Logger

As standard. Measures the number of days the product has been switched on to provide precise running information.

Installation Packs

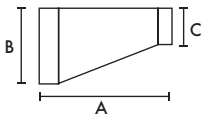
Stock Ref	453546	453547	453548
Quick Fit Grille (White)	1	1	1
Wall fitting kit (Brown)	1	1	1
Round to Rectangle Adaptor	1	3	3
Vertical 90° bend	2	2	2
Elbow/Spigot	1	1	1
1m Flat Channel	1	2	2
1.5m Flat Channel	1	2	2
Connector	1	4	4
Horizontal 90° Bend	-	-	2
Channel Clip	4	6	2

Dimensions (mm)



A	B	C	D	E	F	G	Weight
435	365	490	100	160	58	160	7kg

Duct Adaptor (included)
Rear duct entry option.



A	B Ø	C
180	105	55 x 110

Performance

Speed	FID (l/s)	Power (W)*	Floor Area (m²)
1	10	5.7	30
2	18	12.2	54
3	26	24.6	78
4	34	49.8	100

*add 300W for heater version

Sound Data

		Octave band, Hz, dB SWL								SPL dB(A)
Setting	Test mode	63	125	250	500	1k	2k	4k	8k	@ 3m
Speed 1	Supply	37.6	32.7	33.4	35.0	29.8	27.5	18.2	22.6	18.0
	Extract	37.0	32.3	32.5	32.4	21.9	25.3	16.8	22.6	15.5
	Breakout	35.3	46.9	38.8	33.1	22.9	22.2	17.8	23.3	15.0
Speed 4	Supply	65.2	57.2	60.8	67.6	62.2	59.7	50.8	41.2	50.0
	Extract	60.8	51.7	58.5	62.1	56.1	56.4	45.2	37.9	45.5
	Breakout	57.2	55.2	55.5	63.3	55.1	52.2	44.1	32.9	41.5

Electric Heating

Vent-Axia heating is ideal for residential or commercial applications. So whether it's a bedroom or hallway, office or shop, we can provide the solution.

The simplicity of installing electric heating, particularly in high rise apartments means it is the natural choice for your project.

Comfort Heating products with innovative charge and zone control features can provide energy savings for the occupier and property owner, without compromising comfort in the home. This, coupled with low capital outlay ensures that Vent-Axia are able to offer a cost effective heating solution for both parties.

New Generation Heating from Vent-Axia

With a slim, stylish design our Opal Aluminium Radiator range offers households attractive, energy efficient comfort. Featuring an advanced digitally controlled thermostat, the Opal range gives you one of the most cost effective and energy efficient electric heating systems available.

Vent-Axia®

Electric Heating

Opal
Aluminium Radiators

Features & Benefits

- Aluminium block with innovative curved elements
- Digitally controlled thermostat
- Dynamic fluid with high thermal inertia
- Three temperature settings: Comfort, Economy, Anti-Freeze
- Seven pre-set lifestyle heating schedules, including two programmable options
- Outputs from 500W - 1500W
- Safety thermal regulator
- Ease of installation
- Safe, clean and easy to operate
- All radiators are powder coated externally in white (RAL 9016)
- No maintenance required
- These slim line radiators are 96mm deep
- All radiators are supplied with wall fixing brackets
- Each radiator is supplied with 0.70m length power cable

The Vent-Axia Opal range of Aluminium Radiators offers a slim stylish design with advanced digital thermostatic control giving you one of the most cost effective and energy efficient electric heating system you can have.

Popular with specifiers, contractors and home owners, the Opal range is ideal for new build and refurbishment.

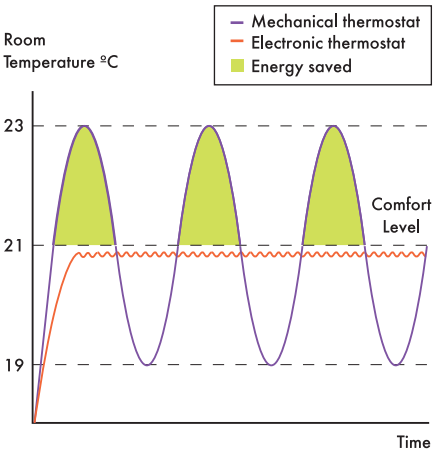
Available in five sizes, our range provides a solution for any size room with outputs from 500W - 1500W.

All of the Opal Aluminium Radiators controllers are fully programmable offering closer management of energy control with resultant costs savings. This can be measured with the on board energy monitor allowing you to see how much energy you are using to heat your room. All standard units come with all the features and controls you would expect to see on an advanced heating system.

Energy Saving Electronic Control

Accurate, fast acting control is essential for reducing temperature overrun and minimising energy consumption.

The silent operating electronic thermostat is accurate to +/- 0.5 °C and acts quickly to maintain consistent temperature levels.



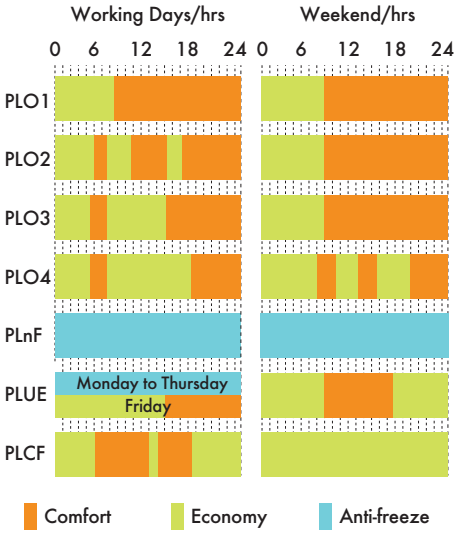
Seven Pre-set Lifestyle Heat Schedules

The heater is pre-programmed with seven plans during its manufacture, with two of them being configurable to meet your own needs. The five invariable programmes are adapted to most heating situations. The seven plans are described in the table on the right.

Heating schedule PLnF is pre-programmed for when you are away from your home for a long period of time and would like to protect it against freezing. The green economy LED will flash.

Heating schedule PLUE is designed for weekends. With this plan the heater is pre-programmed to work from Monday to Thursday in the antifreeze position. From Friday through to Sunday you can configure the programme according to your own needs.

Should the pre-set schedules not meet your heating requirements, the PLCF heating plan enables you to create your own heating schedule.



Specification

		Weight	Dimensions (mm)			Output	
Stock Ref	Model	kg	H	W	D	W	Amps
448469	VAAR500 500W	11	584	460	96	500	2.3
448470	VAAR750 750W	15	584	620	96	750	3.4
448471	VAAR1000 1000W	19	584	780	96	1000	4.5
448472	VAAR1250 1250W	23	584	940	96	1250	5.7
448473	VAAR1500 1500W	27	584	1100	96	1500	6.8

T: 0844 856 0590

Optimax Plus®

Storage Heaters

Features & Benefits

- Perfect for offices and homes
- Optimised charge period offers 15% energy saving
- Reduced installation times
- Conveniently mounted controls
- Colour RAL 9001
- IP20 rated
- BEAB approved

Comfort Heating

Vent-Axia Storage Heaters are an economic alternative for new build or in existing properties, particularly where no other fuel source is available.

Vent-Axia Storage Heaters offer comfortable warmth around the clock taking advantage of low-cost night time electricity tariff.

The heaters are ideal for use in living rooms, hallways and landings. They can also be installed in bathrooms outside Zone 2, provided that the installation complies with IEE regulations.

Vent-Axia Storage Heaters are slim, compact and aesthetically pleasing. Their attractive neutral finish blends in with most furnishings.

Combination Storage Heaters

Vent-Axia Combination Storage Heaters combine the benefit of a domestic storage heater and a convector heater in one casing.

The convector heater can be switched on at any time to offer additional heat when required, or used outside the normal heating season for instant heating.

Combination Heaters require a permanent power supply for immediate convection heating when required. The storage heater section has a separate off-peak supply.

Ease of Installation

Simple to install wall fixings and quick assembly mean that new installations or replacement of existing units are completed with minimum disruption. The cable entry is located at the back of the unit on the bottom right hand side.

The controls are conveniently positioned on top of the storage heater for ease of use. Once the optimum settings are selected, no further adjustment is necessary.

Models

Storage Heaters

Manual and Automatic models available.

Model	Stock Ref
VASH 6	439355
VASH 12	439356
VASH 12A	439359
VASH 18	439357
VASH 18A	439360
VASH 24	439358
VASH 24A	439361

A=Automatic

Combination Heaters

Model	Stock Ref
VACSH 12A	438919
VACSH 18A	438920
VACSH 24A	438921

A = Automatic

Specification

Stock Ref	Model	Description	Input kW	Width (A) mm	Height (B) mm	Depth (C) mm	Weight kg
439355	VASH 6	Storage Heaters	0.85	332	700	170	41
439356 / 439359	VASH 12/12A		1.70	560	700	170	77
439357 / 439360	VASH18/18A		2.55	788	700	170	110
439358 / 439361	VASH 24/24A		3.40	1016	700	170	145
438919	VACSH 12A	Combination Storage Heaters	1.70	540	730	185	79
438920	VACSH 18A		2.55	765	730	185	116
438921	VACSH 24A		3.40	990	730	185	152

220-240V-50Hz. BEAB Approved.

Heated Towel Rails

Features & Benefits

- IP55 rated
- Wall fixings included
- Plug and vent included
- Five year leakage warranty
- One year manufacturer's guarantee
- Heating element included
- Stylish designs
- One year surface and element warranty
- Steel construction with high quality white and chrome finishes
- Production is carried out using latest technology resulting in absolute consistency in quality
- Complete fitting set supplied
- Pressure tested to 13 bar
- Comprehensive step by step fitting instructions

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

This comprehensive range of white and chrome towel rails offers 10 different models across the flat, curved and designer ranges. The range offers sizes from 500 x 600mm to 500 x 1500mm available in four heat outputs of 100, 150, 250 and 400W matched to the size of the rail.

The range is complemented by an advanced controller available in white and chrome giving you control of five heat outputs. The controller also offers an eco mode ideal for use when drying your towels to ensure minimal energy use. This feature turns on the rail on full power for 30 minutes then reduces the output to the user setting for a further 90 minutes before turning the towel rail off.

Controller

- IPX4 rated
- White or chrome finish
- Five power settings
- Eco timed function
- Two year warranty

Specification

Stock Ref	Model	Description	Finish	Dimensions (W x H) / mm	Output / W
Towel Rails					
447854	VATRS100C	'S' Shape	Chrome	600 x 500	100
447855	VATRF150C	Flat	Chrome	400 x 700	150
447856	VATRF250W		White	500 x 1100	250
447857	VATRF250C		Chrome	500 x 1100	250
447858	VATRF400C		Chrome	500 x 1500	400
447859	VATRC250C	Curved	Chrome	500 x 1100	250
447860	VATRC400C		Chrome	500 x 1500	400
447861	Atacama LS	Designer	Chrome	400 x 700	150
447862	Atacama OS		Chrome	300 x 650	150
447863	Atacama SS		Chrome	500 x 1000	250
Accessories					
447864	VATRCW	Controller	White	single gang	n/a
447865	VATRCC		Chrome	single gang	n/a
447866	VATRDFK150	Replacement element / dual fuel kit	n/a	n/a	150
447867	VATRDFK250		n/a	n/a	250
447868	VATRDFK400		n/a	n/a	400

Heated Towel Rail Range

S-shaped chrome towel rail
VATRS100C
Stock Ref
447854

Flat chrome towel rail
VATRF150C
Stock Ref
447855

Flat white towel rail
VATRF250W
Stock Ref
447856

Flat chrome towel rail
VATRF250C
Stock Ref
447857

Flat chrome towel rail
VATRF400C
Stock Ref
447858

Curved chrome towel rail
VATRC250C
Stock Ref
447859

Curved chrome towel rail
VATRC400C
Stock Ref
447860

Flat designer towel rail
Atacama LS
Stock Ref
447861

Oval designer towel rail
Atacama OS
Stock Ref
447862

Flat designer towel rail
Atacama SS
Stock Ref
447863

Optimax Plus®

Panel Heater

Features & Benefits

- Integral adjustable thermostat
- Optional integral timer model
- Frost protection setting of 5°C
- BEAB approved
- Unique quick fix wall bracket
- Colour RAL 9001
- Ideal compliment to storage heaters
- Brackets for panel included

Comfort Heating

Vent-Axia's Optimax Plus Panel Heaters are perfect for smaller rooms such as bedrooms, studies, conservatories and loft conversions.

Vent-Axia's Panel Heaters offer a wide range of heat outputs from 750W to 2000W and every model is available with or without a timer. Vent-Axia Panel Heaters look as good as they perform. Stylish and slim, they occupy minimal wall space and are finished in an attractive white finish.

Vent-Axia Panel Heaters are wall mounted and connected to the permanent electrical supply via a fused connection switched outlet. Vent-Axia Panel Heaters are supplied with mounting brackets and one metre of cable connected to the bottom right hand side of the unit.

Adjustable Thermostat

All Vent-Axia Panel Heaters have a built-in adjustable thermostat offering a full temperature range, including a frost protection setting of 5°C.

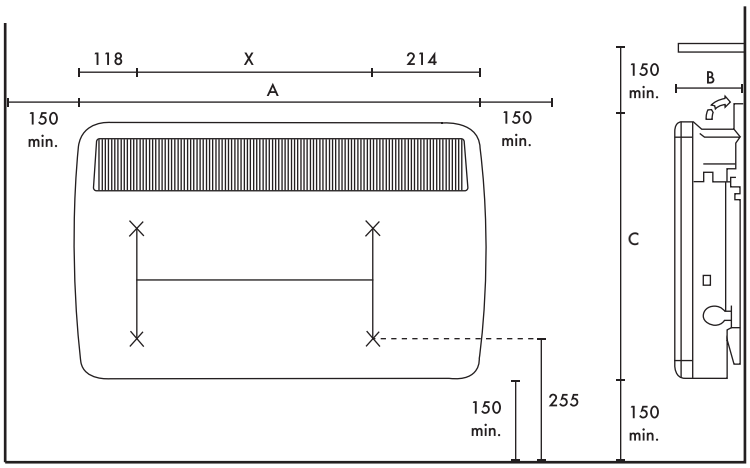
For maximum safety there is a thermal cut-out on all models to prevent overheating, should the outlet grille be accidentally covered.

Models

Manual and Timer versions available.

Model	Stock Ref
VAPH 075	439034
VAPH 075T	439038
VAPH 125	439035
VAPH 125T	439039
VAPH 150	439036
VAPH 150T	439040
VAPH 200	439037
VAPH 200T	439041

Dimensions (mm)



Specification

Stock Ref	Model	Output kW	A Width mm	B Depth mm	C Height mm	X Bracket mm	Weight kg
439034 / 439038	VAPH 075/T	0.75	620	108	430	288	6.2
439035 / 439039	VAPH 125/T	1.25	690	108	430	358	6.6
439036 / 439040	VAPH 150/T	1.5	690	108	430	358	6.6
439037 / 439041	VAPH 200/T	2	860	108	430	528	8.0

220-240V-50Hz. BEAB Approved.

T: 0844 856 0590

Downflow Heater

Features & Benefits

- Stylish compact design
- 2kW output
- Pullcord operation
- Indication Light
- Double Insulated Class II
- IPX2 rated

The Vent-Axia Downflow Heater will deliver a welcoming warmth when its most needed in all room applications including bathrooms and living spaces.

The IPX2 rated Downflow Heater operates via a pullcord and is suitable for use within zone 2 of the bathroom. The Downflow Heater has a 2kW power loading and is designed to be permanently wall mounted for use with an AC electrical supply.

Model	Stock Ref
VADH2	455834

Specification

Model	Rating kW	W mm	H mm	D mm	Weight kg
VADH 2	2	229	242	109	1

220-240V-50Hz.

Portable Fan Heater

Features & Benefits

- Thermostat control
- Fan only mode for summer cooling
- Two heat settings
- Safety cutout

The Vent-Axia Portable Fan Heater is a floor standing heater with three settings; fan only, 1kW and 2kW outputs. Variable thermostat. The unit comes complete with a 13amp plug.

Specification

Model	Rating kW	W mm	H mm	D mm	Weight kg
VAFH2TC	2	220	110	220	1.6

Model

Portable Fan Heater

Model	Stock Ref
VAFH2TC	426715

Convector Heater

Features & Benefits

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

The Vent-Axia Convector Heater is ideal for use in any domestic or commercial room where extra or occasional heating is required. The heater is suitable for use in the home, offices, shops and workshops, but is not recommended for use in bathrooms.

The unit offers three heat outputs; 0.75kW, 1.25kW and 2kW, and is supplied with a thermostatic control.

The Vent-Axia Convector Heater is lightweight, portable and is supplied with a cable and plug. Stylish and versatile, the heater may be wall mounted or used as a floor standing unit using the feet included. This gives the benefit of moving the heater to an area where you want, when you want.

To prevent overheating the Convector Heater includes a safety thermal cut-out feature.

Model

Convector Heater

Model	Stock Ref
VACH2-TC	426250

Specification

Model	Rating kW	W mm	H mm	D mm	Weight kg
VACH2TC	2	530	370	110	2.3

220-240V-50Hz. BEAB Approved

By Appointment to H.M. The Queen
Suppliers of Unit Ventilation Equipment
Vent-Axia, Crawley, West Sussex

Vent-Axia®

VENT-AXIA CONTACT NUMBERS

Free technical, installation and sales advice is available

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Sales Fax:	01293 565169
Tech Support Tel:	0844 856 0594
Tech Support Fax:	01293 532814

Heating Support

Sales Tel:	0844 856 0596

Industrial

Sales Tel:	0844 856 0591

Web:	www.vent-axia.com
Email:	sales@vent-axia.com

Supply & Service

All sales made by Vent-Axia Limited are made only upon the terms of the Company's Conditions of Sale, a copy of which may be obtained on request. As part of the policy of continuous product improvement Vent-Axia reserves the right to alter specifications without notice.

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