

C/SFB			
	(56)	X	
May 2012			ISSUE 21



VENTILATION PRODUCTS

2012-13

DOMESTIC

COMMERCIAL

INDUSTRIAL

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VENTILATION PRODUCTS



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welcome

Addvent offers the **total solution** to your ventilation and climate control requirements. Our commitment to our customers means that our products are constantly evolving to introduce even greater quality, style and innovation at great value.

five **great reasons** to specify Addvent products:

- wide **product range** from a major company
- full **five-year warranty** on most installed products
- in-depth **customer support**
- ventilation **design service**
- comprehensive **technical support**

Wide range from a major company

As an established, leading company in the ventilation and fan equipment market, Addvent offers the specifier one of the widest ranges of innovative and stylish products.

It's a range which is designed for ease of installation, is environmentally conscious and constantly evolving. Stylish circular Flush-fitting fans from the **designer collection** are just one example of Addvent's product development focus.

Even better service

The ever-growing demand for ventilation products has seen Addvent expand its commitment to its customers. Whilst acknowledging that Addvent's success in customer service has come from close personal contact, significant investment continues to be made in technology and logistical systems for even faster response.

This high level of customer service, together with nationwide distribution, ensures that you get the right products when and where you want them. And as a leading brand Addvent maintain a presence at major industry forums to regularly introduce new products and innovations to local authority, housing association and commercial specifiers.

In-depth customer support

There is a team of high-calibre staff to help you with your needs supported by an up-to-the-minute sales processing system and state-of-the-art logistics. A telesales team based at Bristol backs up a specification sales force covering the whole of the UK providing continuous advice to electrical contractors and end users.

In addition, there is a design team to provide full recommendations, options and design solutions for your individual requirements. Our Bristol showroom, where the range is displayed and can be demonstrated, is further evidence of our commitment to customer support.

Warranty

And so confident is the company in the quality of its products that the majority are covered by a full 5-year exchange warranty. If for any reason you or your customer are not entirely satisfied we will exchange the product concerned without question.

Addvent online

Our easy-to-navigate website – www.addvent.co.uk – will provide you with comprehensive information on our products and services, including technical information you can download.

NEW | **DOMESTIC** | PRODUCTS

AVX100Q



specific fan power

NOW: **0.24**
 W/litres/sec


a Part L and Part F compliant energy saving product

NEW AVX100Q WHISPER-QUIET FANS

These fans are 60% quieter than conventional domestic fans and are the lowest 'specific fan power' fans in our range. And with an extraction rate of 75m³/h they offer excellent performance.

full details can be found on **PAGE 27**

NEW | **CLIMATE CONTROL** | PRODUCTS

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AVAC9000CMS

NEW AVAC9000CMS PORTABLE AIR CONDITIONER

The **NEW** AVAC9000CMS offers the same performance and features as the previous model, now in a stylish silver finish.

full details can be found on **PAGE 71**



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Addvent's office-based **ventilation design service** is fast becoming a valuable resource for our customers.

features

- schemes for residential, commercial and industrial installations
- full equipment listing
- detailed installation instructions.

The design service is part of Addvent's commitment to providing electrical contractors with specialist ventilation product support.

From detailed drawings supplied by the contractor, the Addvent team can develop a design scheme listing the equipment required for the project. The service applies to all schemes from residential to commercial and industrial projects.

Full details are available from our technical department, for further information telephone 0117 923 5375 or fax 0117 923 5374.

choosing the right fan

Poor ventilation can result in stale air or condensation often meaning unwanted smells and damage to decorative surfaces. So, selecting the right fan is important.

Building Regulations for New Build

For New Build with mechanical ventilation, Documents L and F (2010) of the Building Regulations requires that kitchens, bath or shower rooms and toilets, must have the minimum intermittent ventilation rates shown below:

- **Bath/Shower rooms** – a minimum extract rate of 15 litres/sec (54m³/hr);
- **Toilets** (where separate from a bathroom) – a minimum extract rate of 6 litres/sec (21m³/hr);
- **Domestic kitchens** – a minimum extract rate of 60 litres/sec (216m³/hr);
- **Utility rooms** – a minimum extract rate of 30 litres/sec (108m³/hr).

Addvent offers a range of fans that comply with the stated requirements of Documents L and F – see page 11.

Refurbishing older properties

Where an older property is being refurbished, different challenges exist. Generally larger rooms with high ceilings and poor insulation means the effects of condensation are often more obvious. For these properties a more appropriate method of fan selection can be to multiply the volume of the room (V) by the appropriate air change rate per hour (ach).

Addvent's recommendations for refurbished properties are:

- **Bath/Shower rooms**
(V) x 6-20 ach;
- **Toilets** (where separate from a bathroom)
(V) x 3-10 ach;
- **Domestic Kitchens**
(V) x 10-15 ach;
- **Utility rooms**
(V) x 15-20 ach.

Fan selection

Choose an **axial** fan to move air over short distances – in a window or a through-wall fixing – but they are not suitable for ducting lengths over 2 metres. A **centrifugal** fan is required for longer distances and performs well against the pressure of long lengths of ducting and the resistance of grilles. A **Humidistat** fan monitors and controls the humidity in rooms where condensation is a problem. To calculate the right fan for your needs, you will need:

types of fan

STANDARD for remote switching through a wall light or separate switch;

TIMER with a built-in adjustable time delay operated by the light switch;

PULL CORD with a built-in Pull cord switch;

HUMIDITY control with a built-in sensor, which operates the fan automatically;

PIR sensitive to movement, these fans switch on and off when a room is entered or vacated.

- the room size (length x width x height) to calculate the room volume; and
- the air change rate (from the chart opposite)

example

For example a domestic kitchen 3m long x 3m wide x 2.5m high has a volume of 22.5m³ and requires 10 air changes per hour:

▶ $22.5 \times 10 = 225\text{m}^3/\text{hour}$

A suitable fan would be an AVX150MP – with an airflow of 248m³/hour.

minimum recommended air changes per hour

BATHROOMS	3-8
BATHROOM WITH SHOWER	6-20
CAFES *	10-15
CELLARS	3-10
GARAGES *	6-10
HAIRDRESSING SALONS	10-15
HOSPITAL ROOMS	4
LAUNDRIES/LAUNDERETTES	10-15
MEETING ROOMS *	6-10
RESTAURANTS/BARS	6-15
SHOPS	8-10
STORE ROOM	3-6
CHANGING ROOMS WITH SHOWERS	15
BEDROOMS	2-4
CANTEENS	8-12
WORKSHOPS	6-10
HALLS AND LANDINGS	3-5
KITCHENS DOMESTIC	10-15
LIVING/DOMESTIC ROOMS	3-6
OFFICES *	4-6
SPORTS FACILITIES	6
TOILETS DOMESTIC	3-10
UTILITY ROOMS	15-20
TOILETS PUBLIC *	MINIMUM 3 OR 6 l/s PER PAN
SCHOOL ROOMS *	8 l/s PER PERSON

*Data taken from CIBSE Guide B by kind permission.

Installation

When siting and installing extractor fans, the following should be considered:

- site the fan as far away as possible from the air inlet to the room;
- the fan should be sited as close as possible to the moisture source;
- avoid installing close to heat sources to prolong motor life;
- in bathrooms the fan must not be within reach of a person using the bath or shower and must conform to IEE regulations;
- it is preferable to use a loft or ceiling void for ventilating shower rooms or bathrooms;
- where ducting runs through unheated areas it should be insulated to prevent condensation. Vertical duct runs should be avoided;
- ensure adequate air leakage into the rooms to provide replacement fresh air;
- do not install extract fans in rooms where open flued appliances are sited.

Ventilation products should always be installed by a competent electrician.



DESIGNED WITH THE ENVIRONMENT IN MIND



GREEN SPOT
RANGE

hand dryers



AVHD1600

PAGE 75



AVHD1600SS

low-wattage fans



PAGE 25

wholehouse



AVWH2N

PAGE 42

wholehouse with heat recovery



AVHRU1N



AVHRU4

PAGE 45

PAGE 41

heat recovery

features

- reduced CO₂ emissions
- lower energy usage
- reduced 'life-of-product' costs.

Welcome to Addvent's 'Green Spot' products, highlighting our continuing commitment to improving the environmental impact of our products. Designed and manufactured with the environment in mind, Addvent 'Green Spot' products have great eco-credentials.

in use

- through long-life motors, lower energy use and therefore reduced CO₂ emissions.

at the end of a product's life

- with highly recyclable parts such as the product body or motor.

With the 2010 changes to the Building Regulations, as well as minimum airflow requirements (Approved Document F) minimum energy efficiencies are now required (Approved Document L). Addvent offers a complete product range designed to comply with the requirements. The new regulations require a minimum specific fan power (SFP) as minimum energy efficiency. This is measured in watts per litre per second (W/l/s) of airflow extracted and all models in the new range comply. The table below shows the minimum specific fan powers required to comply with the new building regulations.

New and replacement systems

1.0 Fan Power	<p>a Mechanical ventilation systems should be designed to minimise electric fan power. Specific fan power (SFP) should not be worse than:</p> <ul style="list-style-type: none"> i 0.5 Watts per litres per second for intermittent extract ventilation systems; ii 0.7 Watts per litres per second for continuous extract ventilation systems; iii 1.5 Watts per litres per second for continuous supply and extract with heat recovery ventilation systems.
2.0 Heat Recovery Efficiency	<p>a The heat recovery efficiency of balanced mechanical ventilation systems incorporating heat recovery should not be worse than 70%.</p>
3.0 Controls	<p>a Intermittent Mechanical extract ventilation systems should be operated by local manual switches or automatically by a presence sensor.</p> <p>b All other mechanical ventilation systems should have manual or automatic control of the boost facility.</p>

Installed Performance – it needs to comply

The new regulations require the installer to sign off the installation including airflow measurements. These Addvent fans are designed to comply with the installation requirements as set out in the domestic Ventilation Guide as part of Approved Document F. When installing there are a few simple rules that will help ensure compliance with installation and commissioning requirements in the 2010 Part F and the 2010 Part L of the Building Regulations for England and Wales.

Rectangular or circular rigid duct should be used wherever possible; if necessary, flexible ducts maybe used, but should be kept to a minimum, connecting to rigid ductwork as soon as practicable.

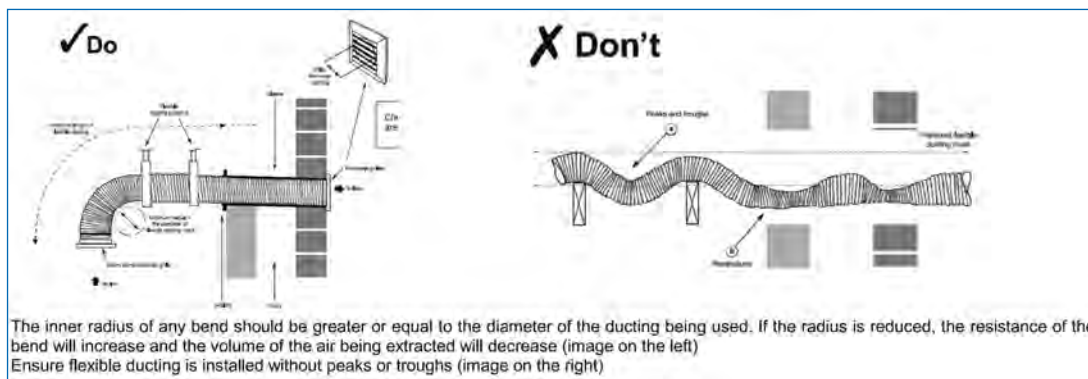
A **maximum length** of 1.5m of flexible ductwork is permitted when connecting to axial fans; for centrifugal fans this limit is 6 metres (for extract rates of 6-30 l/s) and 3 meters (for extract rates of 31-60 l/s).

Two **bends** may be incorporated in a system up to 30l/s, reducing to one bend for extract rates above 30l/s. The **inner radius** of any bend must be greater, or equal to the diameter of the ducting used to keep resistance low.

Flexible ducting must be pulled taught to minimise resistance, this is considered to be achieved if extended at least 90% of the total duct length. Ductwork should be insulated where it passes through unheated areas and voids. Horizontal Ducting, including ducting in walls, should be installed with a slight downward slope away from the fan to prevent moisture backflow. Flexible ducting must be installed without peaks or troughs.

Vertical ducting requires a condensate trap in order to prevent moisture backflow into the product.

Please contact our technical department for further information, telephone 0117 923 5375.



THE | **LOW-WATT** | RANGE

These Low-wattage fans can dramatically reduce power consumption by using a DC motor which uses less energy compared to a normal fan.

- AVX100LWS** Low-wattage standard model.
- AVX100LWT** Low-wattage model with integrated adjustable timer: 1-20 mins.
- AVX100LWH** Low-wattage humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 20-95%.



AVX100LWS

specific fan power

NOW: **0.29**
W/litres/sec



full details can be found on **PAGE 25**

technical data MAXIMUM AIRFLOW: 21.5l/s; POWER CONSUMPTION: 6.2W; MAXIMUM PRESSURE: 50pa;
FAN SPEED: 3123rpm; SOUND VOLUME: 38dB(A); MAX OPERATING TEMP: 45°C.

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THE | **LOW ENERGY** | RANGE

Designed for wall or ceiling mounting, this comprehensive range offers a wide selection of quiet and efficient models for use in bathrooms and toilets. Comes complete with a backdraught shutter.

- AVX100SLF** Standard model for remote switching.
- AVX100PLF** Standard model with pull cord.
- AVX100TLF** Timer model with integrated adjustable electronic timer: 1-20 mins.
- AVX100HLF** Humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 40-95%.
- AVX100PIRLF** PIR activated model, activated on room entry with automatic run-on, with integrated adjustable timer: 1-20 mins. Switched live not required.



AVX100LF

specific fan power

NOW: **0.42**
W/litres/sec



full details can be found on **PAGE 24**

technical data MAXIMUM AIRFLOW: 25.5l/s; POWER CONSUMPTION: 10.77W; MAXIMUM PRESSURE: 20pa;
FAN SPEED: 2400rpm; SOUND VOLUME: 41dB(A); MAX OPERATING TEMP: 40°C.

THE | **LOW-WATT/VOLTAGE** | RANGE



The low-volt/low-wattage models come complete with transformer

Designed to meet the latest Building Regulations for Domestic Dwellings for new buildings and to meet the prescribed 'watts per litre' requirement. The Low-Voltage, Low-Wattage models come with a kit with the appropriate RT12N transformer standard, timer or humidistat.

Safety Extra Low-voltage (SELV) models including transformer

AVX100LVLWS Low-voltage/Low-wattage standard model with RT12SN remote switching transformer.

AVX100LVLWT Low-voltage/Low-wattage with RT12TN transformer: integrated adjustable timer: 1-20 minutes.

AVX100LVLWH Low-voltage/Low-wattage humidistat model with RT12HN transformer: integrated adjustable timer: 1-20 mins and adjustable humidity: 20-95%.



AVX100LVLWS

specific fan power

NOW: **0.29**
W/litres/sec



full details can be found on **PAGE 26**

technical data MAXIMUM AIRFLOW: 21.5l/s; POWER CONSUMPTION: 6.2W; MAXIMUM PRESSURE: 50pa; FAN SPEED: 3123rpm; SOUND VOLUME: 38dB(A); MAX OPERATING TEMP: 45°C.



THE | **WHISPER-QUIET** | RANGE

Part of our 'Green Spot' range of energy-efficient products they are 60% quieter than a standard 100mm fan. They have our lowest 'specific fan power' and consume just 4.8 watts, are designed to meet the latest Building Regulations for Domestic Dwellings for new buildings and meet the prescribed 'watts per litre' requirement.

- AVX100QS** Standard model for remote switching.
- AVX100QP** Standard model with pull cord.
- AVX100QT** Timer model with integrated adjustable electronic timer: 1-20 mins.
- AVX100QH** Humidistat model with adjustable humidity: 40-95%.



AVX100Q

specific fan power

NOW: **0.24**
W/litres/sec



full details can be found on **PAGE 27**

technical data MAXIMUM AIRFLOW: 21l/s; POWER CONSUMPTION: 4.8W; MAXIMUM PRESSURE: 23pa; FAN SPEED: 2300rpm; SOUND VOLUME: 27dB(A); MAX OPERATING TEMP: 40°C.



AVX150LF

Designed for wall or ceiling mounting, this efficient and easy to install range offers an alternative style and design to the traditional 6" kitchen style. Comes complete with a backdraught shutter.

- AVX150SLF** Standard model for remote switching.
- AVX150PLF** Standard model with pull cord.
- AVX150TLF** Timer model with integrated adjustable electronic timer: 1-20 mins.
- AVX150HLF** Humidistat model with integrated adjustable timer:
1-20 mins and adjustable humidity: 40-95%.

specific fan power

NOW: **0.28**
W/litres/sec



full details can be found on **PAGE 39**

technical data MAXIMUM AIRFLOW: 64l/s; POWER CONSUMPTION: 18W; MAXIMUM PRESSURE: 50pa;
FAN SPEED: 2400rpm; SOUND VOLUME: 40dB(A); MAX OPERATING TEMP: 40°C.



AVC075LF

These centrifugal bathroom fans are designed for ducted ventilation of internal bathrooms and WCs. The unit may be either surface or flush mounted due to its unique cassette design of the motor and impeller assembly. The rear spigot can be mounted in 2 positions allowing for rear exit or connecting to a vertical ducted system.

- AVC075SLF** Standard model for remote switching.
- AVC075PLF** Standard model with pull cord.
- AVC075TLF** Timer model with integrated electronic timer: 1-20 mins.
- AVC075HLF** Humidistat model with integrated adjustable timer:
1-20 mins and adjustable humidity: 40-95%.
- AVC075HPLF** Humidistat model with pull cord override. Switched live not required.

specific fan power

NOW: **0.47**
W/litres/sec



full details can be found on **PAGE 29**

technical data MAXIMUM AIRFLOW: 26l/s; POWER CONSUMPTION: 12.4W; MAXIMUM PRESSURE: 79pa;
FAN SPEED: 2400rpm; SOUND VOLUME: 36dB(A); MAX OPERATING TEMP: 40°C;

THE | **IN-DUCT** | RANGE

Designed for the safe ventilation of bathrooms, toilets and shower rooms by removing any risk of an electric shock in wet areas as the fan is mounted remotely.

AVX100IDTLF 100mm Timer model incorporating integral adjustable electronic timer (1-20 mins). Also comes with 1.5m PVC ducting, grille fixing clips, cable ties ,screw plugs as well as both internal and external grilles.

AVX150IDFTLF 150mm Timer model incorporating integral adjustable electronic timer (1-20 mins). Also comes with 3m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.

full details can be found on **PAGE 31**

technical data **MAXIMUM AIRFLOW:** AVX100: 24l/s, AVX150: 63l/s; **POWER CONSUMPTION:** AVX100: 10.4W, AVX150: 20.2W; **MAXIMUM PRESSURE:** AVX100: 20pa, AVX150: 50pa; **FAN SPEED:** 2400rpm; **SOUND VOLUME:** AVX100: 41dB(A), AVX150: 40dB(A); **MAX OPERATING TEMP:** 40°C;



THE | **SHOWERLIGHT** | RANGE

This distinctive Showerlight is incorporated into a circular diffuser, suitable for showers and bathrooms. The Showerlight can be used within the splash area (Zone 1) of the shower or bath and is powered by a SELV remote safety isolating transformer.

AVX100IDTSLF 100mm Showerlight Fan Kit incorporating integral adjustable electronic timer (1-20 mins). Also comes with 1.5m PVC ducting, grille fixing clips, cable ties ,screw plugs as well as both internal and external grilles.

AVX150IDTSLF 150mm Showerlight Fan Kit incorporating integral adjustable electronic timer (1-20 mins). Also comes with 3m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.

full details can be found on **PAGE 32**

technical data **MAXIMUM AIRFLOW:** AVX100: 24l/s, AVX150: 63l/s; **POWER CONSUMPTION:** AVX100: 10.4W, AVX150: 20.2W; **MAXIMUM PRESSURE:** AVX100: 20pa, AVX150: 50pa; **FAN SPEED:** 2400rpm; **SOUND VOLUME:** AVX100: 41dB(A), AVX150: 40dB(A); **MAX OPERATING TEMP:** 40°C;



15

THE | **MIXED FLOW** | RANGE

These powerful 2-speed in-duct mounted mixed flow fans have been designed to produce higher working pressures for applications that require high air flows, with low relative noise. They can be installed in a variety of applications and are suitable for use with either rigid or flexible ducting.

AVCIMF100N 100mm Standard model for remote switching.

AVCIMF100T 100mm Timer model incorporating integrated adjustable electronic timer (1-20mins).

full details can be found on **PAGE 54**

technical data **MAXIMUM AIRFLOW:** 50l/s (low speed)/68l/s (high speed); **POWER CONSUMPTION:** 20W (low speed)/25W (high speed); **MAXIMUM PRESSURE:** 180pa (low speed)/200pa (high speed) **FAN SPEED:** 1700rpm/2400rpm; **MAX OPERATING TEMP:** 40°C;

specific fan power

NOW:	0.40
Low Speed	
High Speed	0.37
W/litres/sec	



THE | **WHOLE HOUSE** | RANGE



AVWH2N

SAP APPENDIX Q LISTED



With the growing concerns about over ventilating properties, the AVWH2N offers the option of 'close control' for both the residential and the commercial sectors. With a DC motor that can be set to ventilate any area up to 444m³/hr, the AVWH2N is one of the most efficient central extract units in the UK and can help to reduce your carbon footprint substantially.

AVWH2N Wholehouse Ventilation System (DC)

performance

Exhaust Terminal Configuration	Fan speed setting	Specific fan power (W/l/s)	Energy Saving Trust Best Practice Performance Compliant
Kitchen+1 additional wet room	House 2 (75%)	0.24	YES
Kitchen+2 additional wet rooms	House 2 (75%)	0.18	YES
Kitchen+3 additional wet rooms	House 3 (75%)	0.21	YES

full details can be found on **PAGE 42**

technical data **POWER CONSUMPTION:** 6W (min)/55W (max); **FID:** 43l/s (min)/123l/s (max); **SOUND VOLUME:** CASING BREAKOUT 28dB(A) @ 3m (min)/39dB(A) @ 3m(max); **INLET DUCT** 30db(A) @ 3m (min)/51dB(A) @ 3m(max).

THE | **WHOLE HOUSE WITH HEAT RECOVERY** | RANGE



AVHRU4

SAP APPENDIX Q LISTED



As the current climate pushes for further ways of saving energy, the AVHRU4 Wholehouse Heat Recovery System provides a powerful extraction whilst maintaining a 91% heat recovery rate. The intake and extract unit also comes complete with washable EU3 filters.

AVHRU4 Low-wattage DC Whole-House Heat Recovery System

Features & Benefits

- Suitable for apartments and houses
- Lo Watt DC Motor
- Heat Recovery up to 91%
- Washable EU3 Filters
- SAP Appendix Q Approved
- Low Noise
- Lightweight and easy to install

performance

Exhaust Terminal Configuration	Specific fan power (W/l/s)	Heat Recovery Efficiency %	Energy Saving Trust Best Practice Performance Compliant
Kitchen+1 additional wet room	0.73	91	YES
Kitchen+2 additional wet rooms	0.72	90	YES
Kitchen+3 additional wet rooms	0.79	89	YES
Kitchen+4 additional wet rooms	0.93	88	YES

full details can be found on **PAGE 45**



INDUSTRY STANDARD FANS FOR EVERY REQUIREMENT

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120 RANGE	38
150 RANGE	39
wholehouse RANGE	40-45
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an introduction to our domestic ventilation products

Addvent offer an extensive range of industry-standard domestic fans, wholehouse ventilation and heat recovery products.

The fans are available in 4-, 5- and 6-inch with a comprehensive array of profiles and specifications to suit every requirement including our **designer collection** for that stylish 'look'.

They all have industry-leading air flow rates, often exceeding the requirements of the Building Regulations for their intended use. Contemporary styling goes without saying.

Many are available with covered fixings and automatic internal shutters to minimise back-drafts, and a full range of accessories and ducting is available to complete your installation.

Our design team can help with recommendations, options and design solutions.

And all with great warranty – a full five years on all installed products.

THE | **100 [4-INCH]** | FANS



4
INCH

full details can be found on **PAGE 22**

THE | **100 LOW-ENERGY** | FANS



4
INCH

full details can be found on **PAGE 24**

18

THE | **LOW-WATT** | FANS



4
INCH

full details can be found on **PAGE 25**

THE | **LOW-WATT/VOLTS** | FANS



4
INCH

full details can be found on **PAGE 26**

THE | **WHISPER-QUIET** | FANS



4
INCH

full details can be found on **PAGE 27**

4-inch fans

THE 100 RANGE of contemporary styled, co-ordinated 100mm axial fans have a slim profile with covered fixings, and are available as standard, timer, pull cord or humidistat for the ventilation of bathrooms and WCs. Most models are also available with automatic internal shutters and are independently BSRIA tested for performance up to 85m³/hr.

THE AVX100 LF FANS are part of our 'Green Spot' range and are designed to comply with Part L and Part F of the 2010 changes to the Building Regulations for minimum airflow requirements and minimum energy efficiencies – expressed as specific fan power (SFP). All models in the range comply.

THE AVX100 LOW-WATT FANS are part of our 'Green Spot' range of energy-efficient products and consume just 4.3 watts. They are designed to meet the latest Building Regulations for Domestic Dwellings for new buildings and meet the prescribed 'watts per litre' requirement. The Low-Voltage, Low-Wattage models come with a kit with the appropriate RT12N transformer standard, timer or humidistat.

THE NEW AVX100 WHISPER-QUIET FANS are part of our 'Green Spot' range of energy-efficient products and are 60% quieter than a standard 100mm fan. They have our lowest 'specific fan power' and consume just 4.8 watts. They are designed to meet the latest Building Regulations for Domestic Dwellings for new buildings and meet the prescribed 'watts per litre' requirement.

THE LOW-VOLTAGE RANGE 100mm axial fans – also available with automatic shutter – are designed to provide totally safe ventilation of bath and shower rooms. A remote transformer provides the 12V supply and can be specified with 5 control options. The range includes the AVX100HPLV humidistat model which does not require a remote controller and a centrifugal fan for longer distances.

THE DUCTED CENTRIFUGAL RANGE are ideal for internal bathrooms or WCs requiring longer lengths of ducting. The unique motor/impeller assembly allows flush or surface mounting and the rear spigot can be adjusted for rear or side exit allowing connection to vertical ducting arrangements. They may be wall or ceiling mounted with the addition of a wall-mounting kit, or remotely switched with our optional remote controllers. **And now with Part L and Part F compliant options.**

THE CENTRIFUGAL RANGE has been designed for the ventilation of internal areas requiring longer lengths of ducting. All with a 100mm air outlet, backdraft shutters as standard and a range of control options for added efficiency, they can also be switched remotely with our optional remote controllers.

THE IN-DUCT RANGE of axial or centrifugal fans are designed to provide quiet, remote ventilation of shower areas. Mounting the fan remotely from the shower area improves safety. Easy to install and with excellent performance. The AVX150IDFT is supplied as a kit complete with grilles and ducting ready to fit. **And now with Part L and Part F compliant options.**

THE SHOWERLIGHT RANGE of axial or centrifugal circular Low-Voltage light fitting and air outlet terminals is designed to be ceiling mounted within Zone 1 and connected to the inline fan system supplied. They are ideal for the safe ventilation of showers or other similar areas where there is a higher risk of moisture. As the fan is mounted remotely it operates almost silently. The AVC110IDTSLC/B is supplied with two 3-metre lengths of ducting. The AVX150IDTSLC/B is available for larger areas and the AVCPRO120CDFSLC offers high performance over longer duct lengths. The AVCIMF100TSLC mixed-flow fan is for use where higher pressure is required over ducted lengths. **And now with Part L and Part F compliant options.**

THE MULTIFUNCTION RANGE has a unique integral performance selector switch, allowing the installer to select the appropriate fan speed. Flush-mounted, with a 100mm air outlet and performance up to 234m³/hr.



The Designer Collection

THE AURA CIRCULAR FLUSHFIT RANGE is a stylish alternative where a low-profile solution is needed in a residential application. With just a 19mm profile, the 100mm range includes standard, timer and pull cord. The timer model can be adjusted without the need to remove the cover. An innovative, flexible positioning system ensures easy installation. Each fan comes supplied with a contemporary white or chrome finish bezel as standard. Standard and timer models are also available in 150mm.

THE ELEGANCE RANGE offers unobtrusive design to blend with any decorative style. Its unique clip-on front cover makes for easy wall or ceiling installation. With a ventilation rate of 75m³/hr the Elegance is quiet and efficient in operation. Available with either a white or a brushed aluminium cover.

THE FLUSHFIT RANGE offers stylish, unobtrusive ventilation. Advanced electronics provide efficient performance from a super-slim unit with just a 12mm profile. The range includes standard, timer and Low-voltage and humidistat/timer models where the timer can be adjusted without the need to remove the cover. An innovative, flexible positioning system ensures easy installation every time.

THE | MULTIFUNCTION | FANS



4
INCH

full details can be found on **PAGE 34**

THE | AURA | FANS

the designer collection



4 6
INCH INCH

full details can be found on **PAGE 35**

THE | ELEGANCE | FANS

the designer collection



4 6
INCH INCH

full details can be found on **PAGE 36**

THE | FLUSHFIT | FANS

the designer collection



4 5 6
INCH INCH INCH

full details can be found on **PAGE 37**

5-inch and 6-inch fans

THE 120 RANGE of axial fans have modern styling with covered fixings, and are available in a variety of specifications for the ventilation of utility rooms and larger bathrooms. All models are also available with automatic internal shutters. Exacting performance criteria ensures long life and reliable performance up to 36 litres/sec (130m³/hr).

THE 150 RANGE of axial fans are for use in kitchens, laundry rooms, larger cloakrooms and WCs as well as in light commercial applications. Available in standard, timer, Pull cord, humidistat and window fitting and with optional internal automatic shutters. BSRIA performance tests have shown the AVX150MP to have an airflow of 69 litres/sec, (248m³/hr). **And now with Part L and Part F compliant options.**

Wholehouse ventilation and heat recovery

FOR HEAT RECOVERY the 'Green Spot' AVHRU1N Low-Voltage Heat Recovery Unit is designed to constantly ventilate a single room with fresh warmed air with an efficiency rate of up to 84%. The unit is fitted with an adjustable auto-switching humidity sensor and a 24V DC motor with state-of-the-art Switch Mode Power Supply (SMPS) which has the ability to operate at only 2 watts power consumption on its trickle setting.

FOR WHOLEHOUSE VENTILATION the AVWH system is available as an AC or DC installation and provides continuous ventilation of multiple areas in a dwelling avoiding multiple extract systems. Suitable for new-build or 'total-refurb' projects, installation and commissioning are simple and cost-effective. Quiet in operation offering excellent performance and efficiency and the units can be wall, ceiling or loft mounted.

The AVWH1 AC version is controlled via an optional remote switch or sensor enabling the user to select automatic switching of ventilation levels.

The AVWH2N can be set to ventilate a combined area of up to 444m³. The potentiometer-controlled speed selector offers accurate airflow setting for exactly the right ventilation rate whilst also reducing noise levels and energy consumption. The unit has 2 fully variable speeds for trickle and boost, with a switched activation to the higher speed when required. The AVWH2N complies with the Building Regulations for continuous running.

FOR WHOLEHOUSE VENTILATION WITH HEAT RECOVERY the 'Green spot' AVHRU2DC, AVHRU3 and AVHRU4 are high-efficiency domestic mechanical ventilation units with heat recovery for continuous extraction from multiple rooms.

The AVHRU2DC is typically for use in apartments, flats and smaller dwellings, with a balanced airflow performance of up to 185m³/h and a range of controllers.

The unit is quiet in operation, has low power consumption and is highly compact. It can be installed easily in confined spaces but the clean air and exhaust ducts must pass through an outside wall.

The AVHRU3 is typically for use in apartments, flats and dwellings with multiple rooms. At the same time it supplies clean, fresh air to other areas of the dwelling with a balanced airflow performance of up to 220m³/h.

The unit is quiet in operation and it can be installed in a kitchen cupboard or loft space. Capable of six-speed operation, the unit can be operated remotely using a transformer or a range of controllers.

The AVHRU4 is typically used continuous extraction from multiple bathrooms and kitchens in larger dwellings. At the same time it supplies clean, fresh air to other areas of the dwelling with a balanced airflow performance of up to 280m³/h.

Best suited to 'new build', the unit is quiet in operation and it can be installed in a kitchen cupboard or loft space. Supplied with washable EE3 filters and capable of six-speed operation, the unit can be operated remotely using a transformer or a range of controllers. The unit meets the requirements of Documents L and F of the Building Regulations 2010.

Transformers

For improved control and operating efficiencies, a wide range of transformers are available to control our products. Timer, humidistat and PIR functions are available for our domestic fans and specialist controllers are offered for our wholehouse and heat recovery products.

Accessories

A wide range of accessories and transformers are available for use with our domestic ventilation products.

THE | **120 [5 INCH]** | FANS



5
INCH

21

full details can be found on **PAGE 38**

THE | **150 [6 INCH]** | FANS



6
INCH

full details can be found on **PAGE 39**

THE | **WHOLEHOUSE AND HEAT RECOVERY** | RANGE



full details can be found on **PAGE 40**

THE | **TRANSFORMER** | RANGE



full details can be found on **PAGE 46**

features

- wall, ceiling or window mounting
- quiet and efficient
- 23 litres per sec (85m³/hour)
- single phase induction motor

a comprehensive range of accessories are available for the 100 range



accessories

- AVA001** AVX100 Chrome Cover.
- AVA002** AVX100 Gold Cover.
- AVA003** AVX100 FF Chrome Cover.
- AVA004** AVX100 FF Gold Cover.
- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA269** 100mm Window Kit.
- AVA270** 100mm Through Wall Vent Kit.
- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.
- AVA440** 100mm Condensation Trap.
- SYSTEM 54** 110 x 54 Flat channel ducting, fittings and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fittings and accessories.

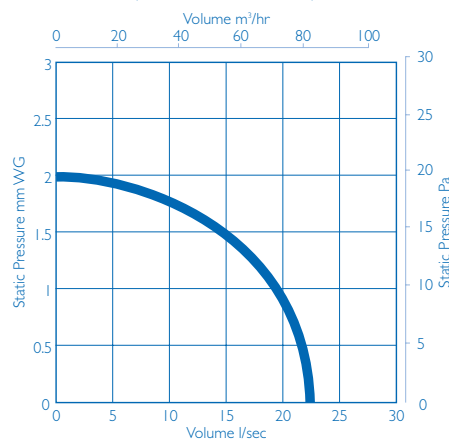
See pages 61-68 for the full range of accessories.



performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100 range	85	23	41	20

AddVent Model Fan Performance
AVX 100 SN (standard wall model 4")



technical data

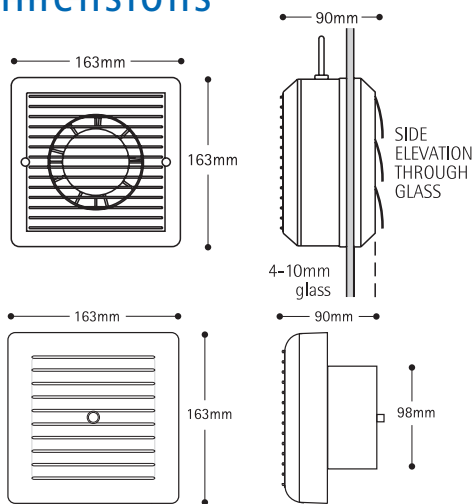
APPROVAL: BEAB; **RATING:** 220-240V ~50Hz~AC 14W; IP24, IP44 (Low-voltage); ; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** Single-phase induction motor with pre-oiled bearings; All with thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C. **CE**



key data: AVX100 range

Airflow m ³ /hour	85	Power Watts	20
litres/sec	23	Noise dB(A)	41

dimensions



Window hole size: 115-155mmØ; Wall hole size: 112mmØ

installation

All models are suitable for wall or ceiling fixing – except pull cord models – through 100mm (4”) flexible or rigid ducting. A through wall fixing kit AVA270 is available for 100mm fans as an optional extra, and a window fixing kit, AVA269 is available for all models (except WPN/ WPAN). Window fan AVX100WPN is designed for window mounting through a standard 115-155mm diameter hole. Comprehensive installation instructions and electrical guidelines are supplied with each product. Please contact us with any technical queries you may have. Double glazing screws for window fans available on request.

the 100 range

- AVX100SN** Standard model for remote switching.
- AVX100SAN** Auto shutter version of above.
- AVX100PN** Pull cord version of the AVX100SN.
- AVX100PAN** Auto shutter version of above.
- AVX100TN** Timer model with integrated adjustable timer: 1-20 mins.
- AVX100TAN** Auto shutter version of above.
- AVX100HPN** Adjustable humidistat; RH: 20-90%; with timer, Pull cord and neon indicator.
- AVX100HTN** Adjustable humidistat model; RH: 40-95%; and timer: 1-20 minutes.
- AVX100HTAN** Auto shutter version of above.
- AVX100TH** Internal humidistat model; RH: 20-95% and timer: 1-20 mins.
- AVX100WPN** Window Pull cord model.
- AVX100WPAN** Auto shutter version of above.
- AVX100PIRN** PIR-activated model with integrated adjustable timer: 1-20 mins.
- AVX100LVN** Low-voltage
- AVX100ALVN** Auto shutter Low-voltage
- AVX100HPLV** Low-voltage humidity pull cord.

[See page 37 for the Flush-Fit range.](#)

[See page 35-37 for the Designer Collection.](#)

AVX100SLF



specific fan power

NOW: 0.42
W/litres/sec

key data: **AVX100LF** range

Airflow m ³ /hour	92	Power Watts	10.77
litres/sec	25.5	Noise dB(A)	41



the low energy range

- AVX100SLF** Standard model for remote switching.
- AVX100PLF** Standard model with pull cord.
- AVX100TLF** Timer model with integrated adjustable electronic timer: 1-20 mins.
- AVX100HLF** Humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 40-95%.
- AVX100PIRLF** PIR activated model, activated on room entry with automatic run-on, with integrated adjustable timer: 1-20 mins. Switched live not required.

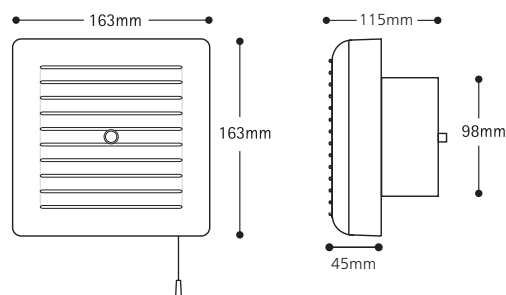
accessories

- AVAIN410** 1m length Insulated rigid PVC pipe Ø100mm
- AVAIN420** 2m length Insulated rigid PVC pipe Ø100mm
- AVAIN510** 1m length Insulated rigid PVC pipe Ø125mm
- AVAIN520** 2m length Insulated rigid PVC pipe Ø125mm
- AVAIN610** 1m length Insulated rigid PVC pipe Ø150mm
- AVAIN620** 2m length Insulated rigid PVC pipe Ø150mm
- AVAIN490** Insulated 90° bend Ø100mm
- AVAIN590** Insulated 90° bend Ø125mm
- AVAIN690** Insulated 90° bend Ø150mm
- AVAIN445** Insulated 45° bend Ø100mm
- AVAIN545** Insulated 45° bend Ø125mm
- AVAIN740** Insulated 'T' piece Ø100mm
- AVAIN750** Insulated 'T' piece Ø125mm
- AVAIN760** Insulated 'T' piece Ø150mm
- AVAIN840** Insulated 'Y' piece Ø100mm
- AVAIN850** Insulated 'Y' piece Ø125mm
- AVAIN860** Insulated 'Y' piece Ø150mm

features

- Part L and Part F compliant fans
- Specific Fan Power (SFP) rating
- New range of accessories

dimensions

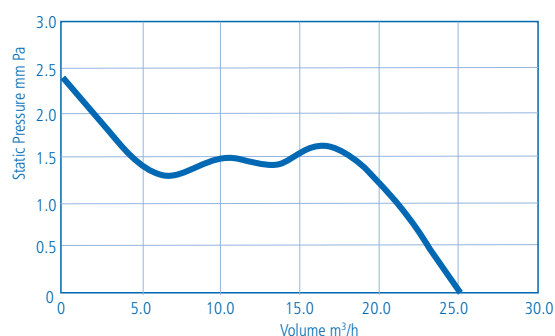


Wall hole size: 112mmØ

performance

AVX100LF models	airflow m ³ /hour	airflow litres/sec	pressure pa (max)	noise level dB(A)@ 2m	power W
	92	25.5	20	41	10.77

performance for avx100 low energy range



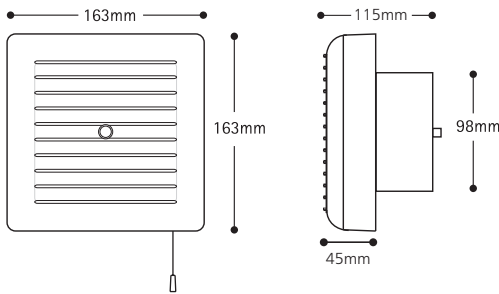
technical data

APPROVAL: BEAB; **RATING:** 220-240V ~50Hz~AC 14W; IP24, IP44 (Low-voltage); **FAN SPEED:** 2400rpm; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** Single-phase induction motor with pre-oiled bearings; All with thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C. **CE**

features

- designed for 2010 Building Regulations
- reduced power consumption enables an 80% power saving compared to a standard fan
- quiet and efficient
- for wall or ceiling mounting

dimensions



Wall hole size: 112mmØ



AVX100LWS

specific fan power

NOW: **0.29**
W/litres/sec

key data: AVX100LW range

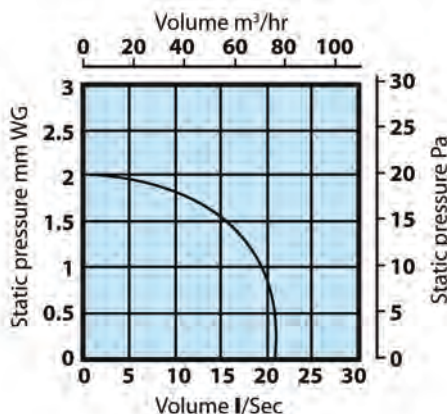
Airflow m ³ /hour	75	Power Watts	4.3
litres/sec	21	Noise dB(A)	38



performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100LW range	75	21	38	6.2

performance for the low-watt range



technical data

APPROVAL: BEAB; RATING: output: 12V AC ~50Hz 4.3W; input: 220/240 V ~50Hz; IP44; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: 12V Shaded pole, 50 Hz. With thermal overload protection; MAXIMUM OPERATING TEMPERATURE: 45°C.

the low-watt range

- AVX100LWS** Low-wattage standard model.
- AVX100LWT** Low-wattage model with integrated adjustable timer: 1-20 mins.
- AVX100LWH** Low-wattage humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 20-95%. 25

The low-volt/low-wattage models come complete with transformer



accessories

- AVA001** AVX100 Chrome Cover.
- AVA002** AVX100 Gold Cover.
- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA269** 100mm Window Kit.
- AVA270** 100mm Through Wall Vent Kit.
- AVA440** 100mm Condensation Trap.
- SYSTEM 54** 110 x 54 Flat channel ducting, fittings and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fittings and accessories.

See pages 61-68 for the full range of accessories.

AVX100QLF



specific fan power

NOW: **0.29**
W/litres/sec



key data: **AVX100LF** range

Airflow m ³ /hour	75	Power Watts	4.3
litres/sec	21	Noise dB(A)	38

Safety Extra Low-voltage (SELV) models including transformer

AVX100LVLWS Low-voltage/Low-wattage standard model with RT12SN remote switching transformer.

AVX100LVLWT Low-voltage/Low-wattage with RT12TN transformer: integrated adjustable timer: 1-20 minutes.

AVX100LVLWH Low-voltage/Low-wattage humidistat model with RT12HN transformer: integrated adjustable timer: 1-20 mins and adjustable humidity: 20-95%.

The low-volt/low-wattage models come complete with transformer



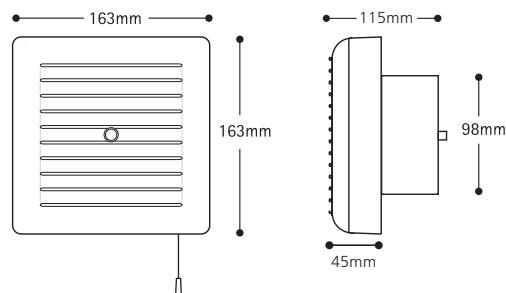
accessories

- AVA001** AVX100 Chrome Cover.
 - AVA002** AVX100 Gold Cover.
 - AVA010** 10 Pack 50-110mm Worm Drive Clamps.
 - AVA050** 100mm x 10m Flexible Aluminium Duct.
 - AVA100** 100mm Rigid Aluminium Duct 1.5m.
 - AVA120** 100mm PVC Ducting 3m.
 - AVA150** 100mm Fixed External Grille (Grey).
 - AVA160** 100mm Gravity Shutter (Grey).
 - AVA269** 100mm Window Kit.
 - AVA270** 100mm Through Wall Vent Kit.
 - AVA440** 100mm Condensation Trap.
 - SYSTEM 54** 110 x 54 Flat channel ducting, fittings and accessories.
 - SYSTEM 60** 204 x 60 Flat channel ducting, fittings and accessories.
- See pages 61-68 for the full range of accessories.

features

- designed for 2010 Building Regulations
- reduced power consumption enables an 80% power saving compared to a standard fan
- quiet and efficient
- for wall or ceiling mounting

dimensions

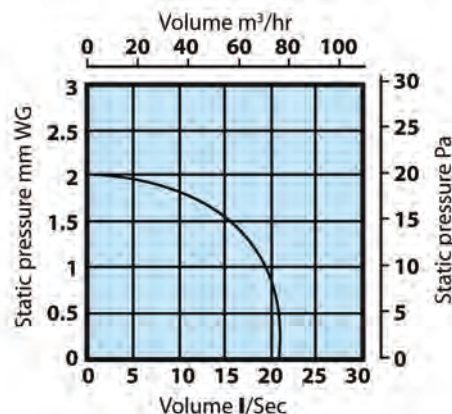


Wall hole size: 112mmØ

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100LVLW range	75	21	38	6.2

performance for the low-watt range



technical data

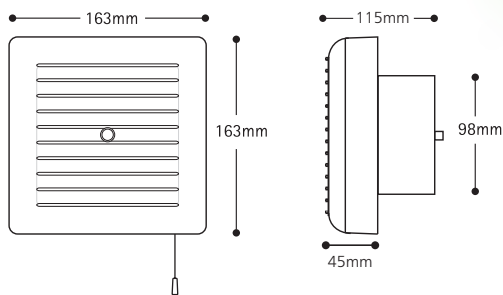
APPROVAL: BEAB; RATING: output: 12V AC ~50Hz 4.3W; input: 220/240 V ~50Hz; IP44; ; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: 12V Shaded pole, 50 Hz. With thermal overload protection; MAXIMUM OPERATING TEMPERATURE: 45°C. **CE**

AVX100QS

features

- 60% quieter than a standard 100mm fan
- low SFP for efficiency
- designed for 2010 Building Regulations
- integral backdraft shutter on all models
- for wall or ceiling mounting

dimensions



Wall hole size: 112mmØ



specific fan power

NOW: **0.24**
W/litres/sec

key data: AVX100Q range

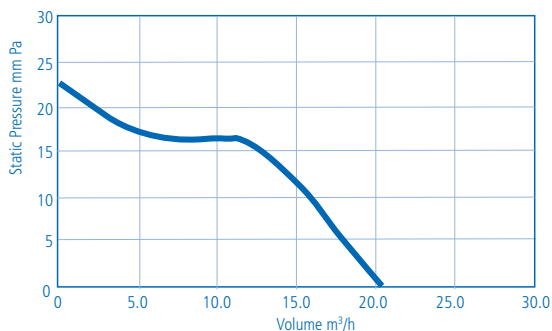
Airflow m ³ /hour	75	Power Watts	4.8
litres/sec	21	Noise dB(A)	27



performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100Q range	75	21	27	4.8

performance for the low-noise range



technical data

APPROVAL: BEAB; RATING: output: 12V AC ~50Hz 4.8W; input: 220/240 V ~50Hz; IP44; ; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: 12V Shaded pole, 50 Hz. With thermal overload protection; MAXIMUM OPERATING TEMPERATURE: 40°C.

the whisper quiet low-noise range

- AVX100QS** Whisper-quiet low-noise standard model.
- AVX100QP** Whisper-quiet low-noise model with integrated adjustable timer: 1-20 mins.
- AVX100QT** Whisper-quiet low-noise model with integrated adjustable timer: 1-20 mins.
- AVX100QH** Whisper-quiet low-noise humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 20-95%.

27

accessories

- AVA001** AVX100 Chrome Cover.
 - AVA002** AVX100 Gold Cover.
 - AVA010** 10 Pack 50-110mm Worm Drive Clamps.
 - AVA050** 100mm x 10m Flexible Aluminium Duct.
 - AVA100** 100mm Rigid Aluminium Duct 1.5m.
 - AVA120** 100mm PVC Ducting 3m.
 - AVA150** 100mm Fixed External Grille (Grey).
 - AVA160** 100mm Gravity Shutter (Grey).
 - AVA269** 100mm Window Kit.
 - AVA270** 100mm Through Wall Vent Kit.
 - AVA440** 100mm Condensation Trap.
 - SYSTEM 54** 110 x 54 Flat channel ducting, fittings and accessories.
 - SYSTEM 60** 204 x 60 Flat channel ducting, fittings and accessories.
- See pages 61-68 for the full range of accessories.



key data: **AVC110LV**

Airflow m ³ /hour	110	Power Watts	25
litres/sec	31	Noise dB(A)	45

the low-voltage range

- AVX100LVN** Low-voltage.
- AVX100ALVN** Auto shutter Low-voltage.
- AVX100HPLV** Low-voltage humidity with timer and pull cord.
- AVX100FFLV** Flush fit Low-voltage model.
- AVC110LV** Centrifugal Low-voltage model.

Transformers

- RT12SN** Standard model.
- RT12PN** Pull cord model.
- RT12TN** Timer model with integrated adjustable timer: 1-20 mins.
- RT12HN** Humidistat model; RH: 40-95%; and adjustable timer: 1-20 mins.
- RT12HPN** As RT12HN with Pull cord override switch.
- LRT12H** Large Humidistat transformer – for use with AVC110LV.
- LRT12T** Large Timer transformer – for use with AVC110LV.

accessories

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm x 1.5m Rigid Aluminium Duct.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA269** 100mm Window Kit.
- AVA270** 100mm Through Wall Vent Kit.
- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.
- AVA440** 100mm Condensation Trap.
- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.

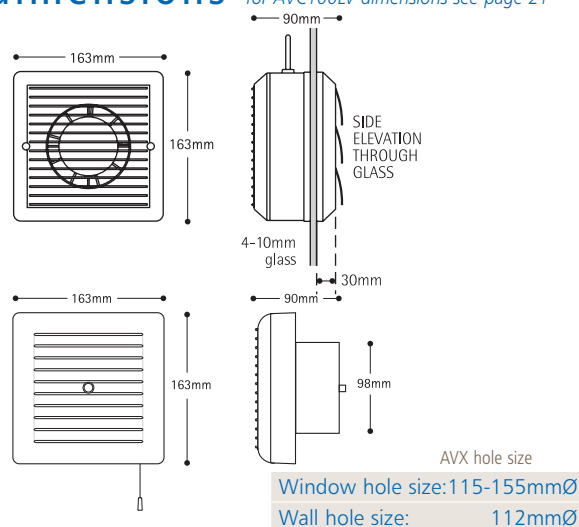
See pages 61-68 for the full range of accessories.

features

- **AVX for wall, ceiling or window mounting;**
AVC for wall or ceiling mounting
- **quiet and efficient**
- **AVX: 23 litres per sec (85m³/hour)**
AVC: 31 litres per sec (110m³/hour)
- **single phase induction motor**

dimensions

for AVC100LV dimensions see page 21



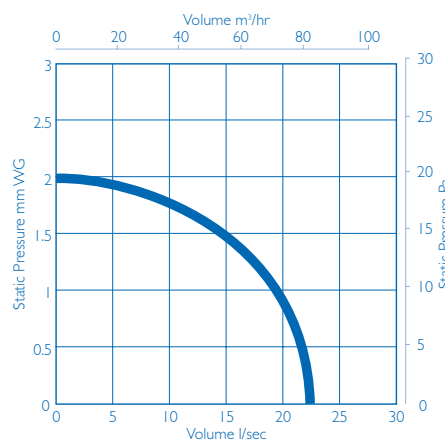
AVX hole size
Window hole size: 115-155mmØ
Wall hole size: 112mmØ

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100 Low-voltage	85	23	41	20
AVX100ALVN	85	23	41	20
AVC110 Low-voltage	110	31	45	25

performance for the AVX 100 low-voltage model

See page 26 for AVC110 model performance



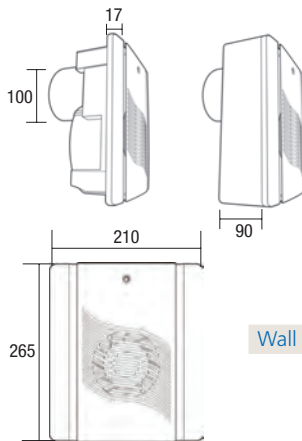
technical data

APPROVAL: BEAB; **RATING:** output: 12V AC ~50Hz 14W (AVX), 20W (AVC), 17W (AVX100ALVN); input: 220/240 V ~50Hz; IP44; ; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** 12V Shaded pole, 50 Hz. With thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C. **CE**

features

- Part L and Part F compliant fans
- meets (Document F) requirements
- integral backdraft shutter on all models
- adjustable rear spigot for flush or surface mount
- adjustable rear or side exit spigot
- 98mm spigot for fast installation
- for wall or ceiling mounting

dimensions

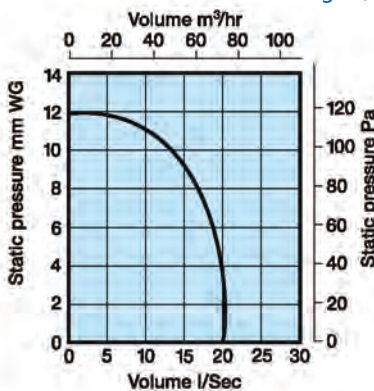


Wall hole size: 112mm

performance

	airflow m ³ /hour	airflow litres/sec	pressure pa (max)	noise level dB(A)@ 2m	power W
AVC075	85	23		36	20
AVC075LF	94	26	79	36	12.4

performance for in-duct range (excluding LF)



technical data

RATING: 220-240V ~AC 50Hz; IP24 ; FAN SPEED: 2400rpm;
 CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: single phase induction motor with pre-oiled bearings. Thermal overload protection; MAX OPERATING TEMPERATURE: 40°C. CE

specific fan power

NOW: **0.47**
W/litres/sec



key data: AVC075

Airflow m ³ /hour	85	Power Watts	20
litres/sec	23	Noise dB(A)	36

the ducted centrifugal range

- AVC075S** Standard model.
- AVC075P** Pull cord model.
- AVC075T** Timer model with integral adjustable timer: 1-20 mins.
- AVC075H** Humidistat with integral adjustable humidity control: 20-90%.
- AVC075HP** Humidistat with pull cord and integral adjustable humidity control: 20-90%.
- AVC075SLF** Standard model for remote switching.
- AVC075PLF** Standard model with pull cord.
- AVC075TLF** Timer model with integrated electronic timer: 1-20 mins.
- AVC075HLF** Humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 40-95%.
- AVC075HPLF** Humidistat model with pull cord override. Switched live not required.

accessories

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
 - AVA050** 100mm x 10m Flexible Aluminium Duct.
 - AVA100** 100mm Rigid Aluminium Duct 1.5m.
 - AVA120** 100mm PVC Ducting 3m.
 - AVA150** 100mm Fixed External Grille (Grey).
 - AVA160** 100mm Gravity Shutter (Grey).
 - AVA270** 100mm Through Wall Vent Kit.
 - AVA351** Remote Timer.
 - AVA361** Remote Humidistat.
 - AVA362** Remote PIR.
 - AVA440** 100mm Condensation Trap.
 - SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
 - SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
- See pages 61-68 for the full range of accessories.



AVC215

AVC060

AVC110

key data: **AVC215**

Airflow m ³ /hour	215	Power Watts	60
litres/sec	60	Noise dB(A)	56

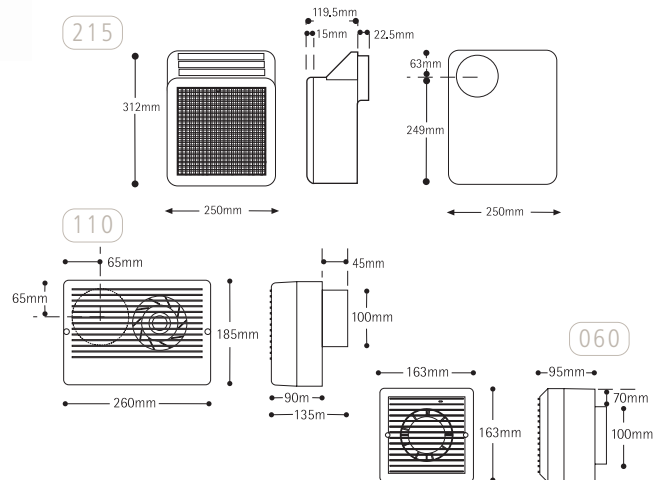
the centrifugal range

- AVC060SN** Standard model.
- AVC060PN** Pull cord model.
- AVC060TN** With integrated adjust. timer: 1-20 mins.
- AVC060HTN** Adjustable Humidistat model; RH: 40-90%, timer: 1-20 mins.
- AVC110S** Standard model.
- AVC110P** Pull cord model.
- AVC110T** With integrated adjust. timer: 1-20 mins.
- AVC110HT** Adjustable Humidistat model; RH: 40-95%, timer: 1-20 mins.
- AVC110HP** As above, with Pull cord.
- AVC110LV** Centrifugal Low-voltage model.
- AVC215S** Standard model.
- AVC215P** Pull cord model.
- AVC215T** With integrated adjust. timer: 1-20 mins.
- AVC215HT** Adjustable Humidistat model; RH: 20-90%, timer: 1-20 mins.
- AVC215HP** As above, with Pull cord.

features

- AVC110LV Low-voltage model available
- suitable for wall or ceiling mounting
- 'back draft' shutter as standard
- AVC 060: 25 litres/sec
- AVC 110: 31 litres/sec
- AVC 215: 60 litres/sec

dimensions



Wall hole size: 112mmØ

performance

	airflow m ³ /hour	airflow litres/sec	max pa	noise level dB(A)@ 2m	power W
AVC060	90	25	80	42	25
AVC110	110	31	120	45	25
AVC110LV	110	31	120	45	25
AVC215	215	60	180	56	38/64/100

performance centrifugal range

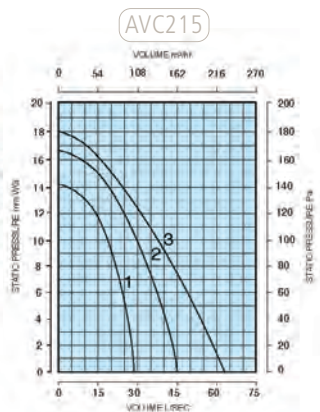
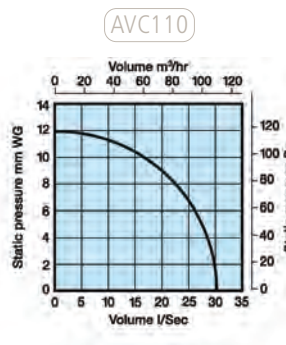
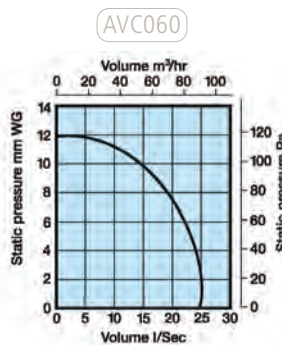
accessories

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm x 1.5m Rigid Aluminium Duct.
- AVA120** 100mm PVC Ducting 3m.
- AVA130** 100mm x 10m Insulated Ducting.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA270** 100mm Through Wall Vent Kit.
- AVA351** Remote Timer.
- AVA361** Remote Humidistat
- AVA362** Remote PIR.
- AVA440** 100mm Condensation Trap.
- AVIC1N** Controller for AVC215.
- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.

For Low-voltage Only

- LRT12T** Large Timer transformer.
- LRT12H** Large Humidistat transformer.

See pages 61-68 for the full range of accessories.



technical data

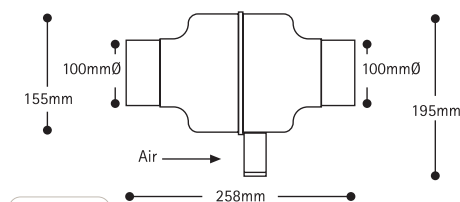
RATING: 220-240V ~AC~50Hz; IP24, AVC110LV: 12V AC ~50Hz; IP44 ; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** single phase induction motor with pre-oiled bearings. Thermal overload protection; **MAX OPERATING TEMPERATURE:** 40°C. **CE**

The recommendation for use in specific room types assumes average dimensions, i.e., a very large bathroom may require an AVC 215.

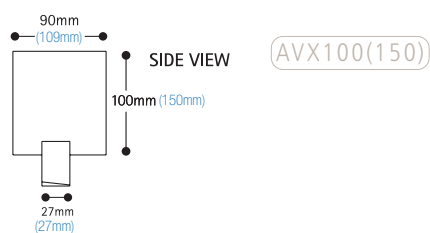
features

- Part L and Part F compliant fans
- safe, remotely mounted
- AVX100: 23 litres/sec (85m³/hr)
AVC110: 31 litres/sec (110m³/hr)
AVX150: 64 litres/sec (230m³/hr)
- quiet yet powerful
- suitable for in-duct mounting only

dimensions



AVX110

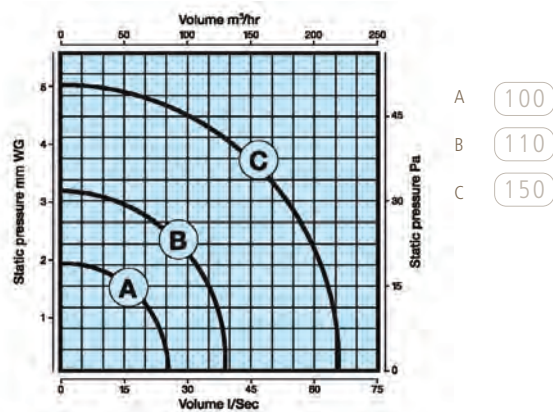


AVX100(150)

performance

	airflow m ³ /hour	airflow litres/sec	pressure pa (max)	noise level dB(A)@ 2m	power W
AVX100IDT/LF	85	23/24	-/20	41	20/10.4
AVC110IDT	110	31	120	45	25
AVX150IDFT/LF	230	64/63	-/50	40	25/20.2

performance for In-duct range (excluding LF)



- A (100)
- B (110)
- C (150)

technical data

RATING: 220-240V ~AC, IP24; ; FAN SPEED: 2400rpm;
CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: single phase induction motor with pre-oiled bearings. Thermal overload protection; MAXIMUM OPERATING TEMP: 40°C.

IP 24 ZONE U

WARRANTY 5

EXCHANGE



specific fan power

NOW:	0.43
100 model	
150 model	0.31
W/litres/sec	

key data: AVX150IDFT

Airflow m ³ /hour	230	Power Watts	25
litres/sec	64	Noise dB(A)	40



the in-duct range

- AVX100IDS** Axial In-Duct Manual model, supplied with fixed grilles and 3m of ducting. Supplied as a complete kit ready to fit.
- AVX100IDT** As AVX100IDS above, with integral adjustable timer: 1-20 mins. Supplied as a complete kit ready to fit.
- AVX100IDFT** Axial In-line timer (fan only) with integral adjustable timer: 1-20 minutes.
- AVC110IDS** Centrifugal In-Duct Manual, supplied with bracket. Supplied as a fan only.
- AVC110IDT** Centrifugal In-Duct Timer, with integral adjustable timer: 1-20 minutes. Supplied as a fan only.
- AVX110IDSK** As AVC110IDS standard above, comes with 2x 3.0m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.
- AVX110IDTK** As AVC110IDT timer above, comes with 2x 3.0m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.
- AVX150IDFT** Axial In-Duct Timer (fan kit), with integral adjustable timer: 1-20 minutes.
- AVX150IDFTTR** Axial In-Duct Timer (fan only), with integral adjustable timer: 1-20 minutes.
- AVX100IDTLF** 100mm Timer model incorporating integral adjustable electronic timer (1-20 mins). Also comes with 1.5m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.
- AVX150IDFTLF** 150mm Timer model incorporating integral adjustable electronic timer (1-20 mins). Also comes with 3m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.

31

accessories

- AVA212C** 100mm Chrome Bezel.
- AVA212B** 100mm Brass Bezel.
- AVA213C** 150mm Chrome Bezel.
- AVA213B** 150mm Brass Bezel.
- AVA440** 100mm Condensation Trap.

See pages 61-68 for the full range of accessories.



installation

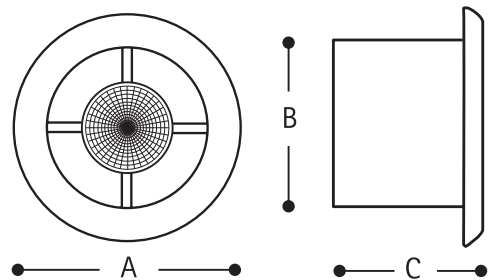
The AVX100IDTSLC/B 100mm showerlight is supplied complete with a 3m length of ducting. The AVC110IDTSLC/B centrifugal version is supplied with two 3-metre lengths of ducting for installations where longer lengths of ducting are necessary. The AVX150IDTSLC/B 150mm showerlight is available for larger areas, complete with a 5-metre length of ducting. The AVCPRO120CDFSLC allows ventilation of two areas simultaneously as it comes complete with a 'T' piece – shown below with a typical ducting layout and grilles – which allows ventilation of both the bathroom and a shower cubicle with one fan. Supplied with a white bezel as a no-cost option and a 10m length of 100mm ducting.

The new AVCIMF100TSLC offers high performance over longer duct lengths, and is supplied with a 10m length of 100mm ducting.

AVCPRO120CDFSLC



dimensions



model	A	B	C	hole size
AVX100/AVC110IDT	140	98	74	102
AVCPRO120CDFSLC	170	118	74	140
AVX150IDT	195	144	74	154
AVCIMF100TSLC	140	98	74	102

features

- AVCIMF100TSLC mixed flow showerlight
- distinctive light in a circular diffuser for ventilation and illumination
- axial or centrifugal models
- white, brass or chrome fascia
- only suitable for ceiling mounting through flexible ducting or rigid pipes
- adjustable timers on all models: 1-20 mins



specific fan power

NOW:
100 model **0.43**
150 model **0.31**
W/litres/sec

key data: AVCIMF100TSLC

Airflow m ³ /hour	245	Power Watts	25
litres/sec	68	Noise dB(A)	24

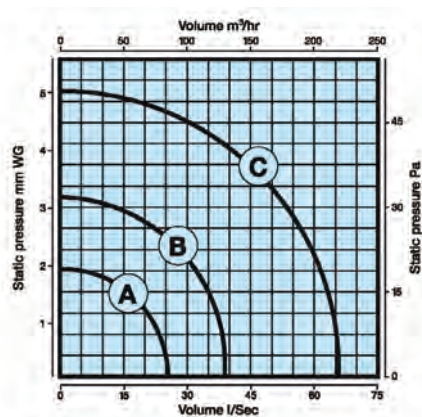
AVCIMF100TSLC



performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100IDT/SLLF	85/86	23/24	41/41	20/10.4
AVC110IDT	110	31	45	25
AVCPRO120CDFSLC	180	50	43	32
AVX150IDT/SLLF	230/227	64/63	40/40	25/20.2
AVCIMF100TSLC	245	68	@3m 24	25

performance for showerlight range



- A (100) AVX
- B (110) AVC
- C (150) AVX

LIGHT RATING/OUTPUT: 12V AC ~50Hz; INPUT: 220/240 V ~50Hz, IP24; □ ▲; MAXIMUM PRESSURE: AVX100: 20pa, AVX150: 50pa; FAN SPEED: 2400rpm; TIMER: adjustable 1-20 mins; CONSTRUCTION: moulded high temperature VO rated thermoplastic; BULB: 35W Diachroic; MOTOR: Single phased induction motor with pre-oiled bearings. Thermal overload protection; MAX OPERATING TEMP: 40°C; AVCPRO120CDFSLC 60°C. CE

IP 24 **IP X4** **ZONE 1** **WARRANTY 5**
AVCIMF EXCHANGE

the showerlight range

- AVX100IDTSLB Axial In-Duct in brass with adjustable timer.
- AVX100IDTSLCN Axial In-Duct in chrome with adjustable timer.
- AVX100IDTSL Contract Pack: white
- AVC110IDTSLB Centrifugal In-Duct in brass with adjustable timer.
- AVC110IDTSLC Centrifugal In-Duct in Chrome with adjustable timer.
- AVCPRO120CDFSLC Centrifugal In-Duct in Chrome
- AVX150IDTSLB In-Duct in Brass with adjustable timer.
- AVX150IDTSLC In-Duct in Chrome with adjustable timer.
- AVCIMF100TSLC Mixed flow model in chrome with adjustable timer.
- AVX100IDTSLLF 100mm Showerlight Fan Kit incorporating integral adjustable electronic timer (1-20 mins). Also comes with 1.5m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.
- AVX150IDTSLLF 150mm Showerlight Fan Kit incorporating integral adjustable electronic timer (1-20 mins). Also comes with 3m PVC ducting, grille fixing clips, cable ties, screw plugs as well as both internal and external grilles.

33



a range of accessories are available for the showerlight range

accessories

- AVA212C 100mm Chrome Bezel.
- AVA212B 100mm Brass Bezel.
- AVA213C 150mm Chrome Bezel.
- AVA213B 150mm Brass Bezel.
- AVA440 100mm Condensation Trap.

See pages 61-68 for the full range of accessories.



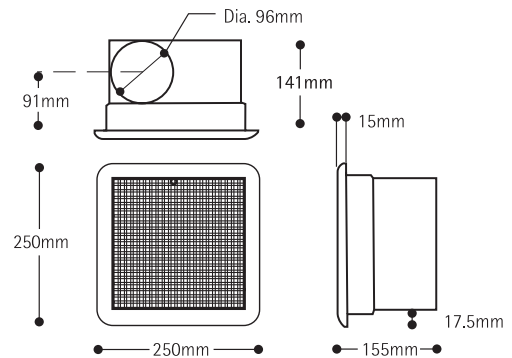
key data: **AVCMF range**

Airflow m ³ /hour	234	Power Watts	60
litres/sec	65	Noise dB(A)	56

features

- unique, versatile design
- integral performance switch for appropriate fan speed selection
- simple two-step installation
- suitable for wall or ceiling mounting

dimensions



the multifunction range

34

- AVCMF711** Standard model.
- AVCMF712** Pull cord model.
- AVCMF713** Timer model: adjustable 1-20 mins.
- AVCMF714** Timer model with Pull cord: adjustable 1-20 mins.
- AVCMF715** Adjustable Humidistat model, humidity control: 20-90%.
- AVCMF716** Adjustable Humidistat model with pull cord, humidity control: 20-90%.
- AVCMF717** Adjustable Humidistat/Timer model; RH: 40-95%; and timer: 1-20 mins.
- AVCMF718** PIR-activated model with integrated adjustable timer: 1-20 mins.

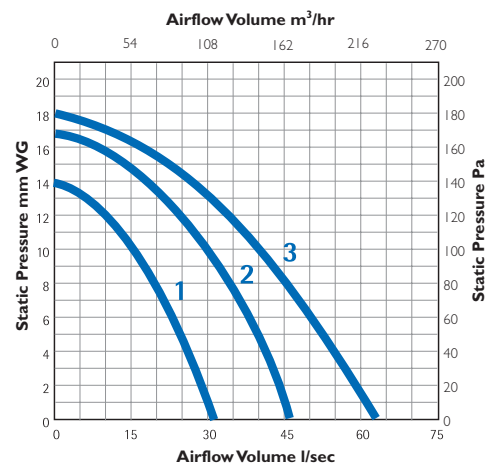
accessories

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
 - AVA050** 100mm x 10m Flexible Aluminium Duct.
 - AVA100** 100mm Rigid Aluminium Duct 1.5m.
 - AVA120** 100mm PVC Ducting 3m.
 - AVA150** 100mm Fixed External Grille (Grey).
 - AVA160** 100mm Gravity Shutter (Grey).
 - AVA351** Remote Timer.
 - AVA361** Remote Humidistat.
 - AVA362** Remote PIR.
 - AVA440** 100mm Condensation Trap.
 - SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
 - SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
- See pages 61-68 for the full range of accessories.

performance

	airflow m ³ /hour	fan speed litres/sec	fan speed rpm	noise level dB(A)@ 2m	power W
Bathroom 1	100	28	950	37	40
Utility 2	162	45	1500	51	80
Kitchen 3	234	65	1850	56	110

AVC MF Multifunction Performance



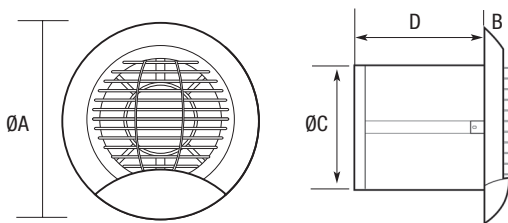
technical data

APPROVAL: BEAB applied for; **RATING:** 220-240V ~AC 60W (at max fan speed 1850rpm; Kitchen 3 setting), IP24; ; **CONSTRUCTION:** impact-resistant ABS thermo-plastic; **MOTOR:** single phase induction motor with pre-oiled bearings. Thermal overload protection. **CE**

features

- 4" [100] or 6" [150] models
- super slim, 19mm profile
- interchangeable bezel, white and chrome supplied
- unobtrusive and quiet running
- backdraft shutter as standard

dimensions

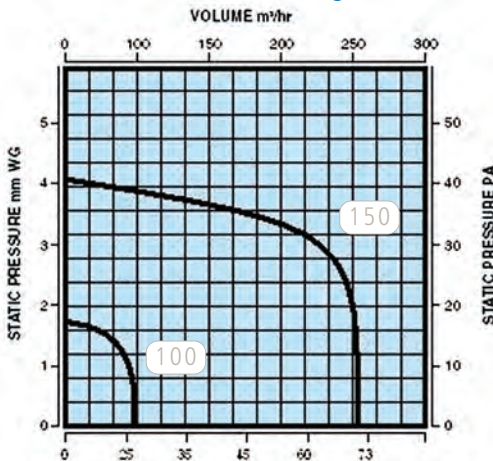


model	AØ	B	CØ	D	hole size
AVX100	157	19	98	107	Ø112
AVX150	201	19	144	123	Ø173

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100 models	93	26	34	16
AVX150 models	258	71	44	23

performance for the Aura range



technical data

RATING: 220-240V ~AC, 50Hz; IP24 ; MAX PRESSURE: 20pa (100), 50pa (150); CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: Single phase induction motor with pre-oiled bearings, 25W (100), 45W (150); MAXIMUM OPERATING TEMPERATURE: 40°C.

the **designer** collection



aura

key data: AVX150A

Airflow m ³ /hour	258	Power Watts	23
litres/sec	71	Noise dB(A)	44

the aura range

- AVX100AS** Standard 100mm Circular Flush Fit fan.
- AVX100AP** Pull cord version of the AVX100AS.
- AVX100AT** Timer model with integrated adjustable timer: 1-30 mins.
- AVX150AS** Standard 150mm Circular Flush Fit fan.
- AVX150AP** Pull cord version of the AVX150AS.

accessories

100mm Range

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA270** 100mm Through-Wall Vent Kit.
- AVA440** 100mm Condensation Trap.

150mm Range

- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA070** 150mm x 10m Flexible Aluminium duct.
- AVA190** 150mm Fixed Grille (Grey).
- AVA200** 150mm Gravity Grille (Grey).
- AVA280** 150mm Through-Wall Vent Kit (gravity/grille).
- AVA300** 150mm Rigid Aluminium Duct 400mm.

For all products

- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
 - SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
- See pages 61-68 for the full range of accessories.

the **designer** collection



elegance

key data: **AVX150E**

Airflow m ³ /hour	220	Power Watts	25
litres/sec	62	Noise dB(A)	40

the elegance range

- AVX100ES** Standard white Elegance fan.
- AVX100ET** White Elegance fan with integral timer.
- AVX100EH** White Elegance fan with Humidistat and integral timer.
- AVX100ESBA** Standard Brushed Aluminium Elegance fan.
- AVX100ETBA** Brushed Aluminium Elegance fan with integral timer.
- AVX100EHBA** Brushed Aluminium Elegance fan with Humidistat and integral timer.
- AVX150ES** Standard white Elegance fan.
- AVX150ET** White Elegance fan with integral timer.
- AVX150EH** White Elegance fan with Humidistat and integral timer.
- AVX150ESBA** Standard Brushed Aluminium Elegance fan.
- AVX150ETBA** Brushed Aluminium Elegance fan with integral timer.
- AVX150EHBA** Brushed Aluminium Elegance fan with Humidistat and integral timer.

36

accessories

100mm Range

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA270** 100mm Through-Wall Vent Kit.
- AVA440** 100mm Condensation Trap.

150mm Range

- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA070** 150mm x 10m Flexible Aluminium duct.
- AVA190** 150mm Fixed Grille (Grey).
- AVA200** 150mm Gravity Grille (Grey).
- AVA280** 150mm Through-Wall Vent Kit (gravity/grille).
- AVA300** 150mm Rigid Aluminium Duct 400mm.

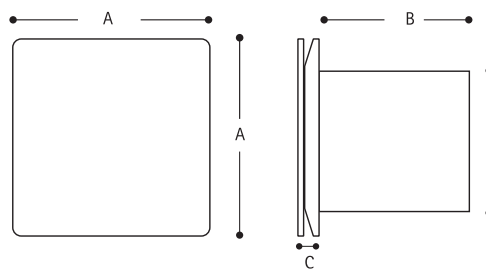
For all products

- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
 - SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
- See pages 61-68 for the full range of accessories.

features

- available with aluminium-finish or white easy-fix cover
- easy installation and maintenance
- suitable for wall or ceiling mounting
- complies with Building Regulations 2006 (F1)

dimensions

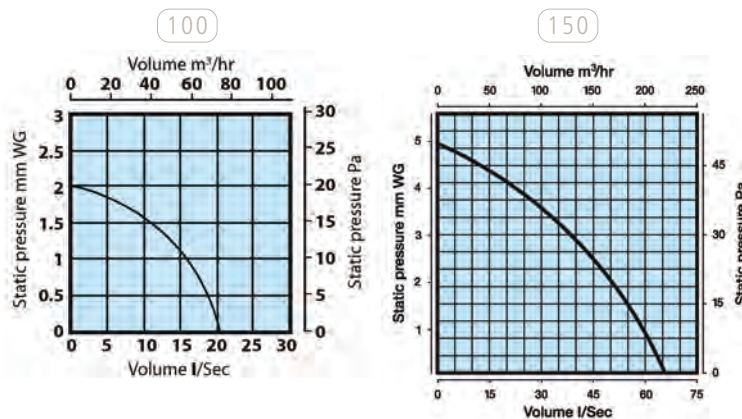


model	A	B	C	DØ	hole sizeØ
AVX100 Elegance	140	105	30	98	115
AVX150 Elegance	200	110	35	148	173

performance

	airflow m ³ /hour	litres/sec	noise level dB(A)@ 2m	power W
AVX100 Elegance	75	21	41	17
AVX150 Elegance	220	62	40	25

performance for the Elegance range



technical data

RATING: 220-240V ~AC, 50Hz; IP24 ; MAX PRESSURE: 20pa; FAN SPEED: 2400 rpm; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: Single phase induction motor with pre-oiled bearings, 20W (AVX100E), 25W (AVX150E); MAXIMUM OPERATING TEMPERATURE: 40°C. **CE**

IP 24 ZONE U

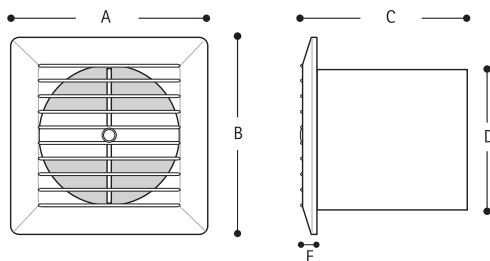
WARRANTY 5

EXCHANGE

features

- advanced electronics
- super slim, 12mm profile
- unobtrusive and quiet running
- chrome and gold covers available
- timer models: adjustable 1-20 minutes
- humidity models, RH: 40-95%

dimensions

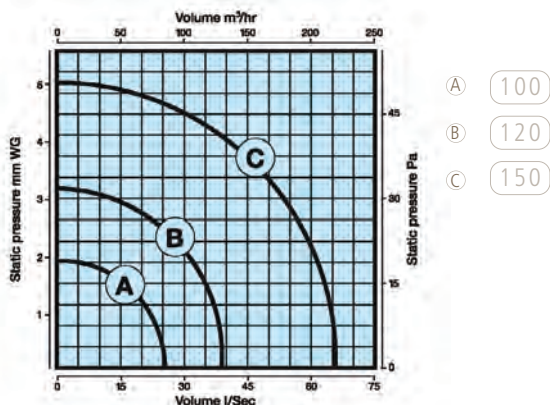


model	A	B	C	DØ	E	hole sizeØ
AVX100FF	140	140	115	100	12	112
AVX120FF	160	160	122	120	12	140
AVX150FF	190	190	122	150	12	173

performance

	airflow m³/hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100 models	85	23	41	20
AVX120 models	130	36	41	20
AVX150 models	248	69	40	25

performance for flush-fit range



technical data

RATING: 220-240V ~AC, IP44 (Low-voltage), IP24
CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; **MOTOR:** Single phase induction motor with pre-oiled bearings; **MAXIMUM OPERATING TEMPERATURE:** 40°C. **CE**

the designer collection



flushfit key data: AVX150FF

Airflow m³/hour	248	Power Watts	25
litres/sec	69	Noise dB(A)	40

the flushfit range

- AVX100FFS** Standard 100mm flush fit fan.
- AVX100FFT** Adjustable timer.
- AVX100FFLV** Low-voltage flush fit model.
- AVX100FFHT** Adjustable humidistat/timer.
- AVX120FFS** Standard 120mm flush fit fan.
- AVX120FFT** Adjustable timer.
- AVX120FFHT** Adjustable humidistat/timer.
- AVX150FFS** Standard 150mm flush fit fan.
- AVX150FFT** Adjustable timer.
- AVX150FFHT** Adjustable humidistat/timer.

Transformers for AVX100FFLV

- RT12SN** Standard model for remote switching.
- RT12PN** Pull cord version of RT12SN.
- RT12TN** Timer model.
- RT12HN** Humidistat model.
- RT12HPN** As RT12HN with Pull cord override switch

accessories

100mm [4"] Range

- AVA003** AVX100 FF Chrome Cover.
- AVA004** AVX100 FF Gold Cover.
- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA270** 100mm Through-Wall Vent Kit.
- AVA440** 100mm Condensation Trap.

120mm [5"] Range

- AVA005** AVX120FF Gold Cover.
- AVA006** AVX120FF Chrome Cover.
- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA060** 120mm x 10m Flexible Aluminium Duct.
- AVA170** 120mm Fixed External Grille (Grey).
- AVA180** 120mm Gravity Shutter (Grey).
- AVA267** 120mm Window Kit.
- AVA271** 120mm Through-Wall Vent Kit.

150mm [6"] Range

- AVA007** AVX150 FF Gold Cover.
- AVA008** AVX150 FF Chrome Cover.
- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA070** 150mm x 10m Flexible Aluminium Duct.
- AVA190** 150mm Fixed Grille (Grey).
- AVA200** 150mm Gravity Grille (Grey).
- AVA280** 150mm Through-Wall Vent Kit (gravity/grille).
- AVA300** 150mm Rigid Aluminium Duct 400mm.

For all FFS Standard models

- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.

For all models

- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.

See pages 61-68 for the full range of accessories.



key data: AVX120 range

Airflow m ³ /hour	130	Power Watts	20
litres/sec	36	Noise dB(A)	41

the 120 range

- AVX120SN Standard model for remote switching.
- AVX120SAN Auto shutter version of above.
- 38 AVX120PN Pull cord version of the AVX120S.
- AVX120PAN Auto shutter version of above.
- AVX120TN Timer model with integrated adjustable timer: 1-20 mins.
- AVX120TAN Auto shutter version of above.
- AVX120HTN Adjustable Humidistat model; RH: 40-95% and timer: 1-20 mins.
- AVX120HTAN Auto shutter version of above.
- AVX120WPN Window Pull cord model.
- AVX120WPAN Auto shutter version of above.

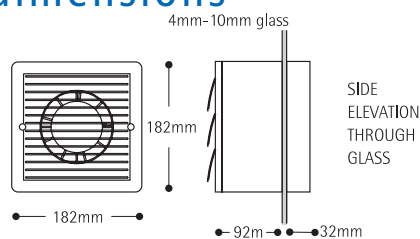
accessories

- AVA006 AVX120FF Chrome Cover.
- AVA060 120mm x 10m Flexible Aluminium Duct.
- AVA170 120mm Fixed External Grille (Grey).
- AVA180 120mm Gravity Shutter (Grey).
- AVA267 120mm Window Kit.
- AVA271 120mm Through-Wall Vent Kit.
- AVA351 Remote Timer.
- AVA361 Remote Humidistat.
- AVA362 Remote PIR.
- SYSTEM 60 204 x 60 Flat channel ducting, fitting and accessories.
See pages 61-68 for the full range of accessories.

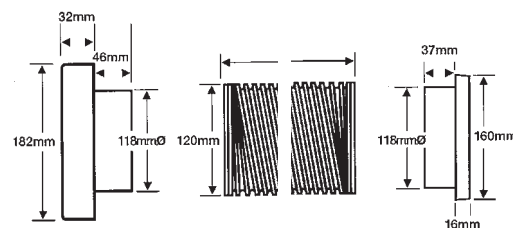
features

- 36 litres/sec (130m³/hr)
- quiet in operation
- wall, ceiling and window mounting models
- suitable for wall/ceiling fixing

dimensions



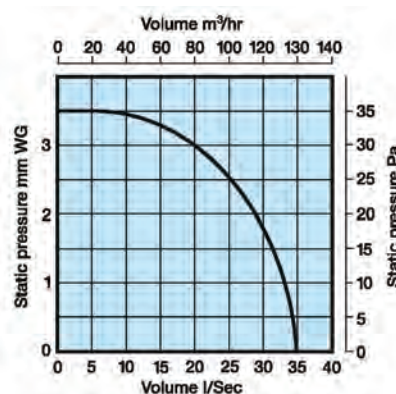
Window hole size: 140-150mmØ; Wall hole size: 140mmØ



performance

AVX120 models	airflow m ³ /hour	litres/sec	noise level dB(A)@ 2m	power W
	130	36	41	20

performance for AVX120 range



technical data

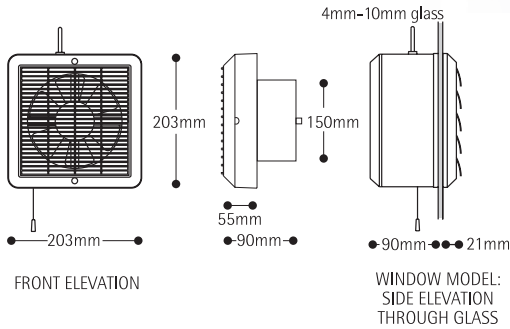
APPROVAL: BEAB; rating: 220-240V ~AC 25 W, IP24; ; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: Single phase induction motor with pre-oiled bearings. Thermal overload protection; MAX OPERATING TEMP: 40°C. Double glazing screws for window fans available on request.

features

- 69 litres/sec (248m³/hr)
- quiet in operation
- wall-, ceiling- and window-mounting models



dimensions



Window hole size: 184mmØ; Wall hole size: 173mmØ

specific fan power

NOW: **0.28**
W/litres/sec



key data: AVX150 range

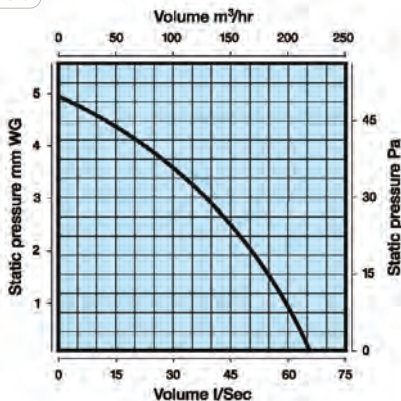
Airflow m ³ /hour	248	Power Watts	25
litres/sec	69	Noise dB(A)	40

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX150LF models	230	64	40	18
AVX150 models	248	69	40	25

performance for AVX150 range (excluding LF)

150



technical data

RATING: 220-240V ~AC 25 W, IP24; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: single phase induction motor with pre-oiled bearings. Thermal overload protection; FAN SPEED: 2400rpm (LF); MAXIMUM PRESSURE: 50pa (LF); MAX OPERATING TEMPERATURE: 40°C. **CE**

Double glazing screws for window fans available on request.

IP 24 ZONE U **WARRANTY 5**
EXCHANGE

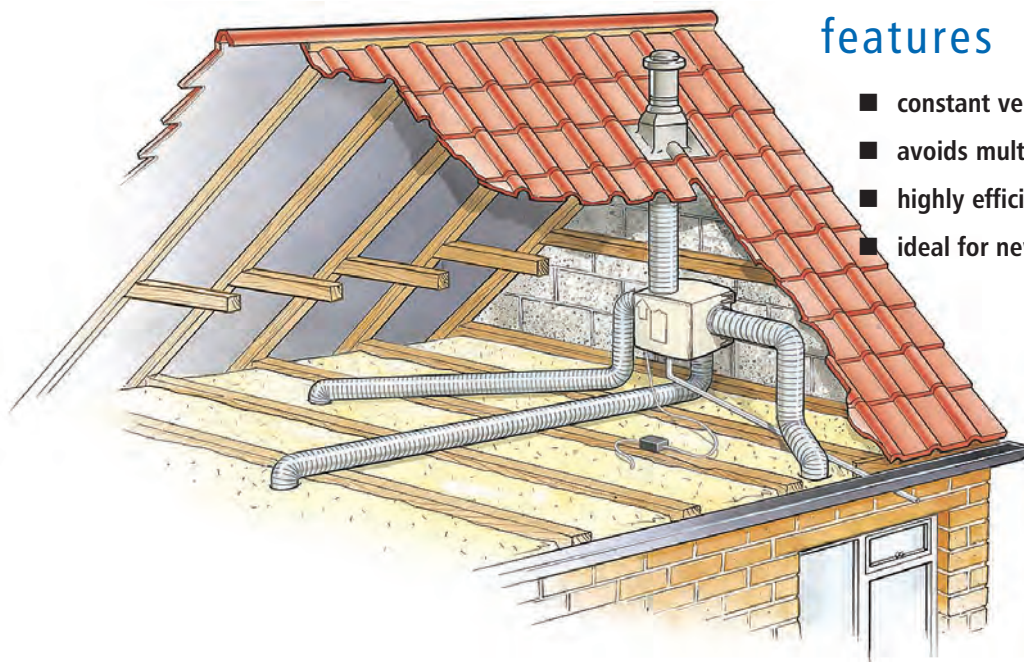
the 150 range

- AVX150S** Standard Model for remote switching.
- AVX150SLF** Standard Model for remote switching.
- AVX150SA** Auto shutter version of above.
- AVX150P** Pull cord version of the AVX150S.
- AVX150PLF** Pull cord version of the AVX150S.
- AVX150PA** Auto shutter version of above.
- AVX150T** Timer model with integrated adjustable timer.
- AVX150TLF** Timer model with integrated adjustable timer: 1-20 mins.
- AVX150TA** Auto shutter version of above.
- AVX150HT** Adjustable Humidistat and timer model.
- AVX150HLF** Humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 40-95%.
- AVX150HTA** Auto shutter version of above.
- AVX150HP** Adjustable Humidistat model with pull cord.
- AVX150HPA** Auto shutter version of above.
- AVX150AW** Automatic Window model.
- AVX150APW** Automatic Window pull cord model.
- AVX150MP** Standard Window pull cord model.

accessories

- AVA007** AVX150 FF Gold Cover.
- AVA008** AVX150 FF Chrome Cover.
- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA070** 150mm x 10m Flexible Aluminium duct.
- AVA190** 150mm Fixed Grille (Grey).
- AVA200** 150mm Gravity Grille (Grey).
- AVA268** 150mm Window Kit.
- AVA280** 150mm Through Wall Vent Kit (gravity/grille).
- AVA300** 150mm Rigid Aluminium Duct 400mm.
- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.

See pages 61-68 for the full range of accessories.



features

- constant ventilation
- avoids multiple systems
- highly efficient heat recovery
- ideal for new build or 'total refurb'

about wholehouse ventilation and heat recovery

Good moisture control and internal air quality are difficult to achieve through natural exchange of air between outside and inside. And traditional methods, such as opening a window or a single fan, do not provide adequate ventilation. A properly designed and installed system for ventilation of single or multiple areas in a dwelling will provide a healthy atmosphere and is the key to positive moisture control and comfort.

Addvent offers a range of products to meet every requirement, from single room heat recovery through to multiple room wholehouse ventilation with heat recovery. Our technical team will be glad to offer advice on product choice, specification and installation.

heat recovery

In modern dwellings where high insulation, draught exclusion or other construction techniques have reduced natural ventilation, normal ventilation methods can increase the heating requirements for the dwelling. This may be overcome by a heat recovery unit, which is designed to constantly ventilate a room with fresh, warmed air. Fitted with an adjustable humidity sensor, which automatically switches between high and low settings depending on the relative humidity of the area where it is installed, a heat recovery unit provides energy-efficient ventilation for modern dwellings. Heat recovery is ideal for either new-build or a refurbishment project.

Offered with highly-flexible installed functions, these units can also be user-controlled to give a manual 'boost' function at times of high need.

Available as an AC installation or as a 'Green Spot', low-consumption, DC model for cost-efficient energy usage.

whole house ventilation with heat recovery

Wholehouse ventilation with heat recovery provides the benefits of a wholehouse system with the addition of a high-efficiency heat recovery cell. This state-of-the-art system simultaneously extracts moisture from wet areas passing it through the heat recovery cell to pre-heat incoming air, which is then distributed around the dwelling. The result is year-round comfort and freshness. Ideally suited to new-build with airtight, well-insulated construction for the most effective performance.

Available as an AC installation or as a 'Green Spot', low-consumption, DC model for cost-efficient energy usage.

whole house ventilation

Wholehouse mechanical ventilation systems are designed to provide continuous, simultaneous ventilation, to multiple areas in modern, well-insulated, dwellings. Ideally suited to new-build with airtight, well-insulated construction for the most effective performance.



features

- suitable for bathrooms, WCs and utility areas
- reduces carbon footprint
- up to 84% temperature-based heat recovery
- up to 90% energy saving
- controls condensation and eliminates mould

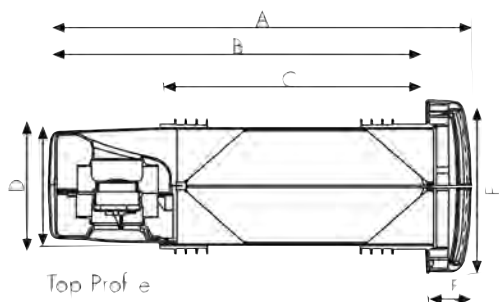
the AVHRU1N heat recovery unit

The AVHRU1N is a Low-voltage Heat Recovery unit designed for through-wall installation in a single bathroom, WC or utility room. Fitted with an adjustable auto-switching humidity sensor – switching automatically between its high and low settings depending upon the relative humidity in the room at any given time – a 24V DC motor and state-of-the-art Switch Mode Power Supply (SMPS), the AVHRU1N has the ability to operate at only 2 watts power consumption on its trickle setting.

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The air exiting the room passes over a polymeric plastic heat exchanger and heat is transferred at an efficiency rate of up to 84% to the air coming into the room.

dimensions



model	A	B	C	D	E	F	hole size
AVHRU1N	425	451	318	147	204	54	152Ø

Fixing hole 152mm diameter.

the AVHRU1N comes complete with controller



MOTOR: 24v DC; **EXTRACT PERFORMANCE:** 20m³/h on trickle; 55m³/h on boost; **INTAKE PERFORMANCE:** 8m³/h on trickle; 36m³/h on boost; **HEAT EXCHANGER:** Polymeric plastic; **NOISE FACTOR:** <16.8 dB(A) on trickle (inaudible against background); 49.2 dB(A) on boost; **ELECTRICAL CONSUMPTION:** 2W on trickle; 23W on boost; **CE**



AVWH1



AVWH2N

SAP APPENDIX Q LISTED

features

- AVWH2N (DC) 'Green Spot' model
- AVWH1 (AC) max 500m³/hour airflow
AVWH2N (DC) max 444m³/hour airflow
- wall, ceiling or loft installation
- no cross-contamination
- 125mmØ exhaust spigot

AVWH wholehouse ventilation

The Addvent AVWH wholehouse ventilation system is designed for continuous operation – eliminating cross-contamination – and is ideal for simultaneous ventilation of multiple areas. With automatic regulators on each of the inlet spigots controlling air volume and pressure, installation and commissioning are simple and cost-effective regardless of duct length. Offering excellent performance and efficiency, the AVWH system is suitable for new-build or 'total-refurb' applications, avoiding the need for multiple systems. Quiet in operation, the units can be wall, ceiling or loft mounted and are available as an AC or a 'Green Spot' low-consumption DC installation.

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AVWH1 – AC VERSION

With three integral fan speeds and an overrun timer, the unit can also be controlled via an optional remote switch or sensor enabling the user to automatically select ventilation levels. Suitable for up to 5 rooms simultaneously and a maximum air flow of 500m³/hr with the appropriate ducting.

AVWH2N – DC VERSION 'GREEN SPOT'

The AVWH2N can be set to ventilate a combined area of up to 444m³. The potentiometer-controlled speed selector offers accurate airflow setting for exactly the right ventilation rate whilst also reducing noise levels and energy consumption. The unit has 2 fully variable speeds for trickle and boost, with a switched activation to the higher speed when required. The AVWH2N complies with the Building Regulations for continuous running.

accessories

- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
 - AVA066** 120mm Adjustable Air Valve.
 - AVA130** 10m length Insulated Flexible Ducting (100mm).
 - AVA140** 10m length Insulated Flexible Ducting (120mm).
 - AVA271** 120mm Through-Wall Vent Kit.
 - AVA401** 100mm Adjustable Air Valve.
 - SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
 - SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
- See pages 61-68 for the full range of accessories.

performance

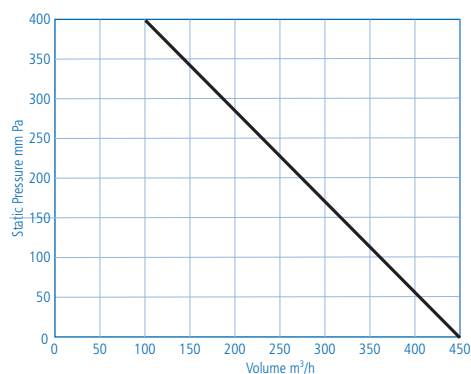
Exhaust Terminal Configuration	Fan speed setting	Specific fan power (W/l/s)	*EST
Kitchen+1 additional wet room	House 2 (75%)	0.24	✓
Kitchen+2 additional wet rooms	House 2 (75%)	0.18	✓
Kitchen+3 additional wet rooms	House 3 (75%)	0.21	✓

* Energy Saving Trust Best Practice Performance Compliant

performance

model		airflow		noise level dB(A)@ 2m	power W
		m ³ /hour	litres/sec		
AVWH1	LOW	240	67	37	24
	MEDIUM	362	101	43	42
	HIGH	500	139	48	91
AVWH2N	MINIMUM	154	43	30	6
	MAXIMUM	444	123	51	55

Addvent AVWH2N Performance



technical data

APPROVAL: BEAB; MAX AIR FLOW: AVWH1 500m³/hr (139l/sec), AVWH2 444m³/hr (123l/sec); INLETS: AVWH1: 4 x 80mm spigots and 1 x 125mm spigot; AVWH2N: 4 x 100/125mm inlets; OUTLETS: 1 x 125mm spigot; CONDENSATION OUTLETS: 2 x 15mm outlets; DIMENSIONS: AVWH1: 425w x 420h x 240d, AVWH2N: 340w x 310h x 260d; WEIGHT: AVWH1: 6.0kg, AVWH2N: 5.5kg **CE**



EXCHANGE

features

- up to 70% heat recovery
- controls condensation and odours
- eliminates mould growth
- prevents noise ingress
- low power consumption
- reduced carbon emissions
- reduced 'life of product' costs



AVHRU2DC wholehouse ventilation with heat recovery

Our 'Green Spot' AVHRU2DC is an efficient domestic mechanical ventilation unit for continuous extraction typically from bathrooms and kitchens in apartments, flats and smaller dwellings.

The unit is quiet in operation, has low power consumption and is highly compact. It can be installed easily in confined spaces but the clean air and exhaust ducts must pass through an outside wall.

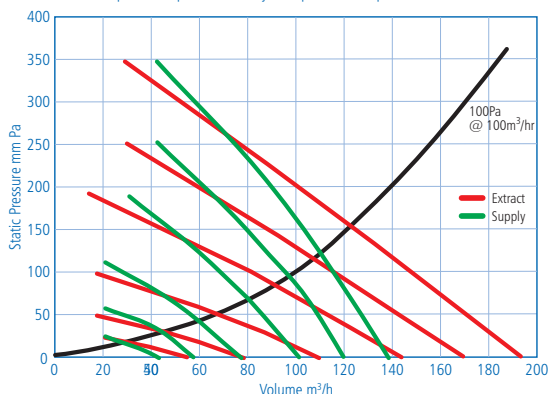
The unit has a balanced airflow performance of up to 185m³/h and is suitable for refurbishment projects. 43

performance

	max ventilation rate m ³ /hour	litres/sec	noise level dB(A)@ 2m min/max	power W min/max
AVHRU2DC	185	51	29/55	10/75

Addvent AVHRU2DC Performance

The Addvent AVHRU2DC has five normal speed settings and three boost settings. This performance curve shows ventilation rates at each fan speed compared to the system pressure drop.



technical data

EFFICIENCY: max 70%; **HEAT EXCHANGER:** polymeric plastic multi-flow cross flow type; **MOTOR:** low-wattage DC with ball race bearings and software fault detection; **SPIGOTS:** 40mm x 98mmØ; **FILTER:** washable, reusable EU2 type; **CONDENSER DRAIN:** 3 x 15mmØ optional positions; **CONSTRUCTION:** white powder-coated steel; **DIMENSIONS:** 392h x 552w x 280d; **WEIGHT:** 17KG.

WARRANTY 5

EXCHANGE



controllers

- AVA363** Trickle Boost Switch.
- AVA364** Ambient Response Humidistat.
- AVA365** PIR Controller.
- AVA366** Overrun Timer.

accessories

- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
See pages 61-68 for the full range of accessories.



features

- up to 70% heat recovery
- cool recovery in summer
- controls condensation and odours
- eliminates mould growth
- prevents noise ingress
- vertical or horizontal mounting

AVHRU3 wholehouse ventilation with heat recovery

Our AVHRU3 is a high-efficiency domestic mechanical ventilation for continuous extraction from bathrooms and kitchens typically for use in apartments, flats and smaller dwellings. At the same time it supplies clean, fresh air to other areas of the dwelling.

The unit is quiet in operation and can be installed in a kitchen cupboard or loft space. Capable of six-speed operation, the unit can be operated remotely using a transformer and range of controllers, and has a balanced airflow performance of up to 220m³/h. Suitable for refurbishment of properties.

44

performance

	max ventilation rate m ³ /hour	litres/sec	noise level dB(A)@ 2m min/max	power W min/max
AVHRU3	220	61	20/48	20/185



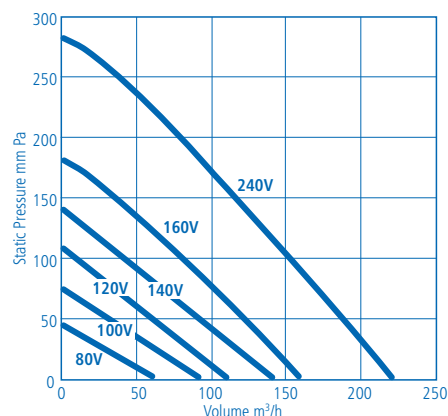
controllers

- AVACTRLHR** 150VA Transformer.
- AVA363** Trickle Boost Switch.
- AVA364** Ambient Response Humidistat.
- AVA365** PIR Controller.
- AVA366** Overrun Timer.

accessories

- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
[See pages 61-68 for the full range of accessories.](#)

Addvent AVHRU3 Performance



technical data

EFFICIENCY: max 70%; **HEAT EXCHANGER:** polymeric plastic multi-flow cross flow type; **MOTOR:** 240V 50Hz AC with manual reset and thermal overload protection; **FAN:** dynamically balanced curved centrifugal type; **SPIGOTS:** 6 x 100mmØ tapered; **FILTER:** optional pollen filters available; **CONDENSER DRAIN:** 2 x 22mmØ optional positions; **CONSTRUCTION:** moulded black MDPE; **DIMENSIONS:** 490h x 560w x 290d; **WEIGHT:** 11.5kg.

WARRANTY 5
EXCHANGE

features

- Suitable for apartments and houses
- SAP Appendix Q Approved
- Lo Watt DC Motor
- Low Noise
- Heat Recovery up to 91%
- Lightweight and easy to install
- Washable EU3 Filters



SAP APPENDIX Q LISTED

AVHRU4 wholehouse ventilation with heat recovery

Our 'Green Spot' AVHRU4 is a high-efficiency domestic mechanical ventilation unit for continuous extraction from multiple bathrooms and kitchens, typically for use in larger dwellings and it supplies clean, fresh air to other areas of the dwelling at the same time.

Best suited to 'new build', the unit is quiet in operation and can be installed in a kitchen cupboard or loft space. Capable of six-speed operation, the unit can be operated remotely using a transformer and range of controllers, the unit comes with washable EU3 filters.

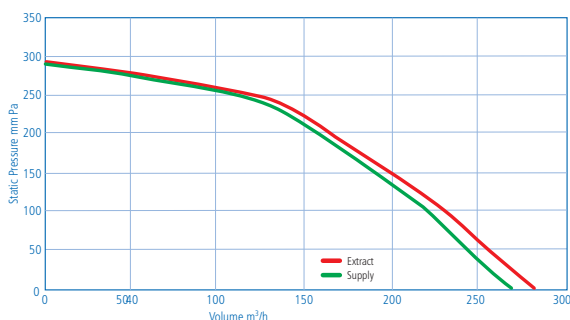
With a balanced airflow performance of up to 280m³/h it meets the requirements of the Building Regulations Documents L and F 2010 and is SAP Appendix Q approved.

performance

Exhaust Terminal Configuration	Specific fan power (W/l/s)	Heat Recovery Efficiency %	*EST
Kitchen+1 additional wet room	0.73	91	✓
Kitchen+2 additional wet rooms	0.72	90	✓
Kitchen+3 additional wet rooms	0.79	89	✓
Kitchen+4 additional wet rooms	0.93	88	✓

* Energy Saving Trust Best Practice Performance Compliant

Addvent AVHRU4 Performance



technical data

EFFICIENCY: max 91%; **HEAT EXCHANGER:** polymeric plastic multi-flow cross flow type; **POWER:** 150W; **MOTOR:** 230V 50Hz DC with manual reset and thermal overload protection; **FAN:** dynamically balanced curved centrifugal type; **FILTER:** EU3; **SPIGOTS:** 125mmØ tapered; **FILTER:** optional pollen filters available; **CONDENSER DRAIN:** 22mmØ optional positions; **CONSTRUCTION:** moulded white MDPE; **DIMENSIONS:** 635h x 560w x 260d; **WEIGHT:** 14kg.

WARRANTY 5

EXCHANGE

controllers

- AVA363** Trickle Boost Switch.
- AVA364** Ambient Response Humidistat.
- AVA365** PIR Controller.
- AVA366** Overrun Timer.

accessories

- SYSTEM 54** 110 x 54 Flat channel ducting, fitting and accessories.
- SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
See pages 61-68 for the full range of accessories.



the remote control range

- AVA351** Remote Timer: 1-20 minutes.
- AVA361** Remote Humidistat: RH20-40%; and timer, 1-20 minutes.
- AVA362** Remote PIR, 5-metre range, and timer, 1-20 minutes.

features

- timer, humidistat or PIR models
- for use with 100 range [4"] domestic fans
- five-year warranty

technical data

Fits into a single patress 20mm deep.



low-voltage control

- RT12SN** Standard model.
- RT12PN** Pull cord model.
- RT12TN** Timer model with integrated adjustable timer: 1-20 mins.
- RT12HN** Humidistat model; RH: 40-95%; and adjustable timer: 1-20 mins.
- RT12HPN** As RT12HN with Pull cord override switch.
- LRT12H** Large Humidistat transformer – for use with AVC110LV.
- LRT12T** Large Timer transformer – for use with AVC110LV.

features

- standard, pull cord, timer, humidistat or humidistat with pull cord models
- for use with low-voltage fans
- LRT models for use with AVC low-voltage models
- five-year warranty

technical data

ELECTRICAL: input: 220-240V ~50Hz ; output: 12V AC, ~50Hz; 25VA SELV (RT), 35VA (LRT); connect to the supply via a suitable double-pole isolating switch, min contact gap 3mm; protective fuse not to exceed 3A;
DIMENSIONS: RT range: 147w x 86h x 66d, LRT range: 147w x 86h x 78d; **CONSTRUCTION:** in accordance with EN60742;
MOUNTING: must be mounted out of reach of the person using the bath or shower.

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heat recovery and wholehouse control

- AVACTRLHR** 150VA Transformer.
- AVA363** Trickle Boost Switch.
- AVA364** Ambient Response Humidistat.
- AVA365** PIR Controller.
- AVA366** Overrun Timer.

features

- trickle boost, ambient response humidistat, PIR, overrun timer and 150VA transformer models
- for use with wholehouse and heat recovery
- five-year warranty



SOLUTIONS FOR EVERY COMMERCIAL APPLICATION

overview <small>OF PRODUCT RANGES</small>	48
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commercial built-in <small>RANGE</small>	52
centrifugal <small>RANGE</small>	53
mixed flow <small>RANGE</small>	54

THE **WINDOW** FANS



9 12
INCH INCH

full details can be found on **PAGE 49**

THE **WALL/CEILING** FANS



9 12
INCH INCH

full details can be found on **PAGE 50**

THE **PROFESSIONAL** FANS



6 9 12
INCH INCH INCH

full details can be found on **PAGE 51**

THE **BUILT-IN** FANS



6 9 12
INCH INCH INCH

full details can be found on **PAGE 52**

THE **CENTRIFUGAL IN-DUCT** FANS



4-12
INCH

full details can be found on **PAGE 53**

THE **MIXED FLOW** FANS



4-8
INCH

full details can be found on **PAGE 54**

Addvent offers solutions for a wide range of commercial applications from retail outlets such as shops and restaurants to offices and small commercial premises. Axial fans – for wall or panel mounting – or centrifugal fans – for in-duct installation – are available from 150mm [6"] to 300mm [12"] with a range of mounting or installation options.

Features include class-leading performance, internal shutters, flush-fitting built-in fans – including replacements – centrifugal in-duct options and neutral styling for an unobtrusive 'look'. A full range of speed controllers and accessories – grilles, through-wall kits and cowls – is available to complete your installation.

And all with great warranty and support, as our design team can help with recommendations, options and design solutions.

WINDOW FAN RANGE

Our comprehensive range of 230mm [9"] and 300mm [12"] window fans – with improved design and greater airflow – are designed for flow rates up to 1,100m³/hr – please refer to our performance data to select the correct fan for your requirements.

WALL AND CEILING FAN RANGE

Our range of 230mm [9"] and 300mm [12"] wall fans – for flow rates up to 1100m³/hr – have a slimmer profile than our window fans making them more suitable for wall and ceiling installations – please refer to our performance data to select the correct fan for your requirements.

PROFESSIONAL RANGE

The Professional range – with class-leading performance and flow rates up to 1,100m³/hr – is available in 150mm [6"], 230mm [9"] or 300mm [12"] models suitable for wall or ceiling fixing. They have internal shutters as standard, and are low maintenance. Unobtrusively styled in neutral grey, they are the ideal product for any commercial application.

BUILT-IN RANGE

Our range of 150mm [6"], 230mm [9"] and 300mm [12"] built-in wall fans are designed for new installations. Separate BIANR models are available for replacement products. The BIAN and BIANR range are supplied as fans to which a controller may be added. Our design department will be pleased to confirm the correct model that is required for your application and advise on a suitable controller. The BIAR and BIAN fans have a five-year warranty.

CENTRIFUGAL IN DUCT RANGE

Our Centrifugal In-duct Range (CDFN) – in sizes between 100mm and 315mm – have a lengthened spigot making for even easier installation. A performance range of 180-1,300m³/hr caters for a wide variety of applications. The fans are priced and supplied complete with an individual snap-fit mounting bracket.

MIXED FLOW FAN RANGE

Our powerful in-duct mixed flow fan is designed to produce higher working pressures – up to 360Pa – in situations where high airflow – up to 910m³/hr – together with relatively low noise is required. For use with either rigid or flexible ducting the fans can also be mounted in series – for increased pressure – or in parallel for increased airflow. Of a high quality, unique construction allowing easy-access for maintenance. These fans are now available with an integrated timer on the 100mm to 150mm sizes. *All models – with or without timer – have a Specific Fan Power that makes them Energy Saving products.*

CONTROLLERS AND ACCESSORIES

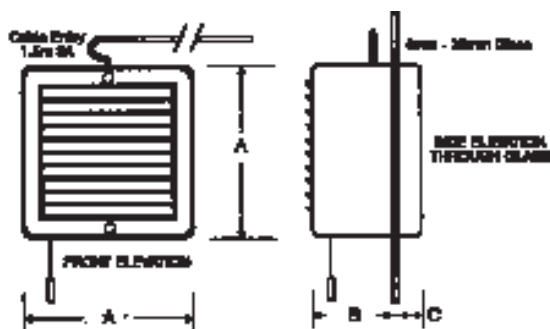
Our range of speed controllers are designed for use with our commercial extraction fans. The product selector on each page details their application.

A range of accessories is available for use with our commercial and industrial products from 150mm [6"] to 315mm [12"]. Each product has the appropriate accessories listed on its page. Please use this list or the Quick Reference chart to find the item you need.

features

- up to 1,021m³/hour
- window or wall mounting
- class-leading performance

dimensions



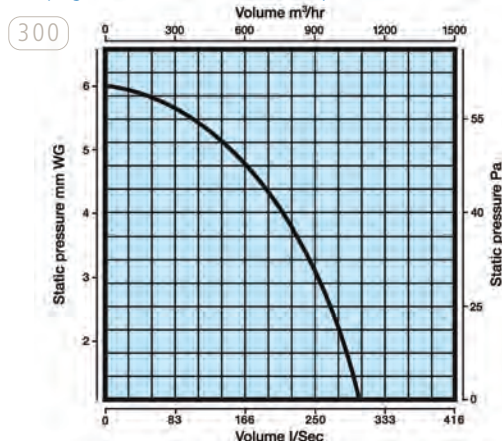
model	A	B	C	window hole size
AVX230N	286	125	25	260Ø
AVX300N	362	145	25	320Ø

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX230N	668	185	53	45
AVX300N	1100	306	60	82

performance for AVX Window range

See page 46 for AVX230 model performance



technical data

RATING: 220-240V ~AC; IP24; ; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: 4 pole induction motor with pre-oiled bearings. Thermal overload protection; MAXIMUM OPERATING TEMPERATURE: 40°C. Double glazing screws for window fans available on request.



key data: AVX300W

Airflow m ³ /hour	1100	Power Watts	82
litres/sec	306	Noise dB(A)	60

the window range

- AVX230WSN** Standard model with fixed louvres.
- AVX230WPN** Pull cord model.
- AVX230WMPN** Manual Pull cord model, pull cord operates shutters.
- AVX230WAN** Automatic model with thermo-activated shutters.
- AVX300WSN** Standard model with fixed louvres.
- AVX300WPN** Pull cord model.
- AVX300WMPN** Manual Pull cord model, pull cord operates shutters.
- AVX300WAN** Automatic model.

a range of accessories
are available for the
window fan range



accessories

- AVA299** 300mm Through-Wall Rigid Aluminium Vent Kit 400mm.
- AVA301** 230mm Through-Wall Ducting Kit 400mm.
- AVA302** 300mm Through-Wall Vent Kit – 400mm long with Grille.
- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.

See pages 61-68 for the full range of accessories.

use of controllers

Model	150/6	230/9	300/12
AVACTRL2R	○	●+	○
AVACTRLV	●*	○	○
AVACTRLVRN	○	●+	●+

* EXCLUDES HUMIDISTAT MODELS
+ EXCLUDES MANUAL PULL CORD MODELS.



key data: **AVX230**

Airflow m ³ /hour	668	Power Watts	45
litres/sec	185	Noise dB(A)	53

the wall/ceiling range

- AVX230SN** Standard model with fixed louvres.
- AVX230PN** Pull cord model.
- AVX230MPN** Manual pull cord model, pull cord operates shutters.
- AVX230AN** Automatic model.
- AVX300SN** Standard model with fixed louvres.
- AVX300PN** Pull cord model.
- AVX300MPN** Manual pull cord model, pull cord operates shutters.
- AVX300AN** Automatic model.

50

accessories

- AVA012** 10 Pk 60-325mm Worm Drive Clamps.
- AVA080** 230mm x 10m Flexible Aluminium duct.
- AVA090** 315mm x 10m Flexible Aluminium duct.
- AVA206** 300mm Fixed External Grille c/w Spigot (White)
- AVA207** 300mm Fixed External Grille (White).
- AVA208** 230mm Fixed External Grille (White).
- AVA209** 230mm Fixed External Grille c/w Spigot (White).
- AVA295** Wall Fixing Kit AVX 230.
- AVA299** 300mm Through-Wall Rigid Aluminium Vent Kit 400mm.
- AVA301** 230mm Through-Wall Ducting Kit 400mm.
- AVA302** 300mm Through-Wall Vent Kit – 400mm long with Grille.
- AVA309** AVX230 Roof Cowl Termination.
- AVA309/1** AVX300 Roof Cowl Termination.
- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.
- AVA1206** 300mm Gravity Grille.
- AVA1209** 230mm Gravity Grille.

See pages 61-68 for the full range of accessories.

use of controllers

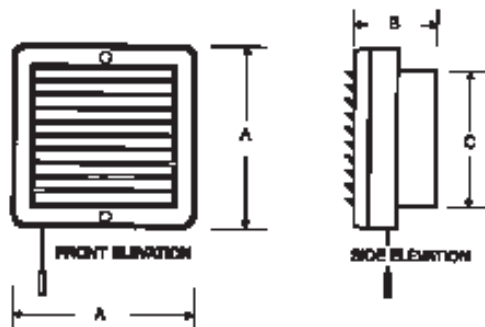
Model	150/6	230/9	300/12
AVACTRL2R	○	●+	○
AVACTRLV	●*	○	○
AVACTRLVRN	○	●+	●+

* EXCLUDES HUMIDISTAT MODELS
+ EXCLUDES MANUAL PULL CORD MODELS.

features

- wall or ceiling mounting
- ideal for commercial applications

dimensions



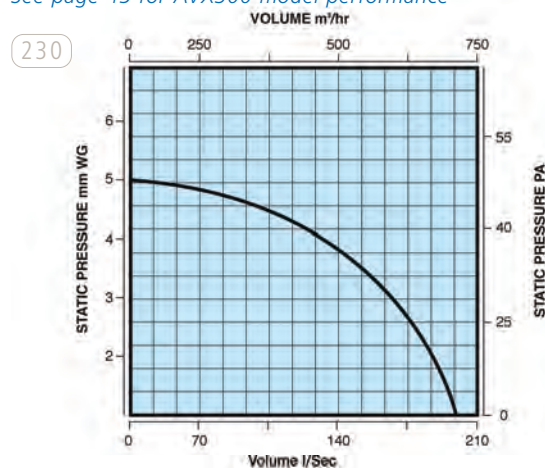
model	A	B	C	wall hole size
AVX230N	286	141	230	255Ø
AVX300N	362	156	300	320Ø

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX230N	668	185	53	45
AVX300N	1100	306	60	82

performance for AVX Wall/ceiling range

See page 45 for AVX300 model performance



technical data

RATING: 220-240V ~AC; IP24 ; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: 4 pole induction motor with pre-oiled bearings. Thermal overload protection; MAXIMUM OPERATING TEMPERATURE: 40°C. **CE**

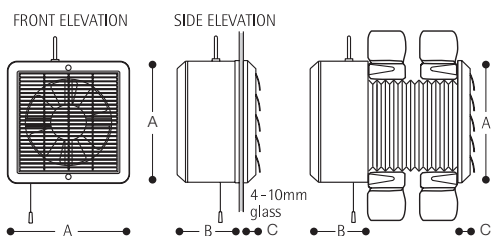
IP 24 ZONE U WARRANTY 5

EXCHANGE

features

- ideal for commercial applications
- internal shutters as standard
- unobtrusively styled
- low maintenance
- all suitable for wall and ceiling fixing

dimensions



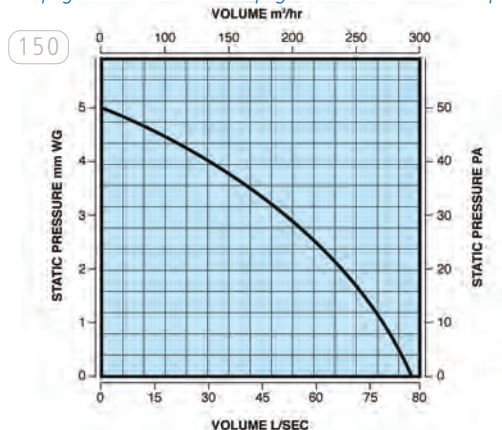
model	A	B	C	D	hole size window	hole size wall
AVXPRO150	203	120	23	173	184Ø	173Ø
AVXPRO230	286	140	25	255	260Ø	255Ø
AVXPRO300	362	160	29	320	320Ø	320Ø

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVXPRO150	278	77	40	25
AVXPRO230	668	185	53	45
AVXPRO300	1100	306	60	82

performance for AVX PRO range

See page 45 for AVX300 and page 46 for AVX230 model performance



technical data

RATING: 220-240V ~AC; IP24); ; CONSTRUCTION: double-insulated impact-resistant ABS thermoplastic; MOTOR: 4 pole induction motor with pre-oiled bearings. Thermal overload protection; MAXIMUM OPERATING TEMPERATURE: 40°C. **CE**
Double glazing screws for window fans available on request.



key data: AVXPRO150

Airflow m ³ /hour	278	Power Watts	25
litres/sec	77	Noise dB(A)	40

the professional range

- AVXPRO150A** Automatic model for walls or ceilings.
- AVXPRO150WAN** Automatic model for windows or walls.
- AVXPRO230A** Automatic model for walls or ceilings.
- AVXPRO230WAN** Automatic model for windows or walls.
- AVXPRO300A** Automatic model for walls or ceilings.
- AVXPRO300WAN** Automatic model for windows or walls.

Controllers – see chart opposite for usage

- AVACTRL2R** Two-speed controller with reverse.
- AVACTRLV** Variable speed.
- AVACTRLVRN** Variable speed controller with reverse.

accessories

- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA012** 10 Pk 60-325mm Worm Drive Clamps.
- AVA070** 150mm x 10m Flexible Aluminium duct.
- AVA080** 230mm x 10m Flexible Aluminium duct.
- AVA090** 315mm x 10m Flexible Aluminium duct.
- AVA200** 150mm Gravity Grille (Grey).
- AVA206** 300mm Fixed External Grille c/w Spigot (White).
- AVA207** 300mm Fixed External Grille (White).
- AVA208** 230mm Fixed External Grille (White).
- AVA209** 230mm Fixed External Grille c/w Spigot (White).
- AVA268** 150mm Window Kit*.
- AVA280** 150mm Through-Wall Vent Kit (gravity/grille).
- AVA295** Wall Fixing Kit AVX 230.
- AVA299** 300mm Through-Wall Rigid Aluminium Duct 400mm.
- AVA300** 150mm Rigid Aluminium Duct 400mm.
- AVA301** 230mm Through-Wall Ducting Kit 400mm.
- AVA302** 300mm Through-Wall Vent Kit – 400mm long with Grille.
- AVA309** AVX230 Roof Cowl Termination.
- AVA309/1** AVX300 Roof Cowl Termination.
- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.
- AVA1206** 300mm Gravity Grille.
- AVA1209** 230mm Gravity Grille.

See pages 61-68 for the full range of accessories.



key data: **AVX300BIAN**

Airflow m ³ /hour	1100	Power Watts	82
litres/sec	306	Noise dB(A)	60

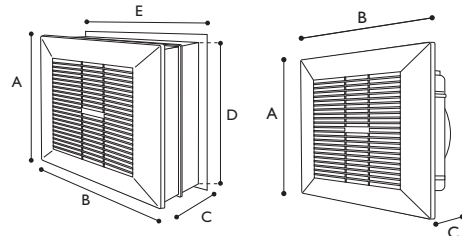
the commercial built-in range

- AVX150BIA** Automatic shutter fan kit.
- AVX150BIAR** Automatic shutter Replacement fan.
- AVX230BIAN** Automatic shutter fan kit.
- AVX230BIANR** Automatic shutter Replacement fan.
- AVX300BIAN** Automatic shutter fan kit.
- AVX300BIANR** Automatic shutter Replacement fan.

features

- separate built-in range for flush fitting
- replacement fan range
- suitable only for through-wall fixing

dimensions

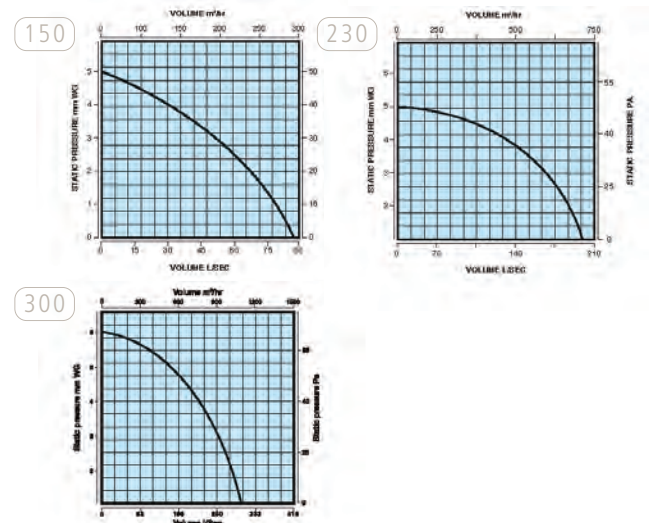


model	A	B	C	D	E	hole size
AVX150BIA	310	310	160-290	275	285	285x295
AVX230BIAN	390	390	160-290	361	365	371x375
AVX300BIAN	470	470	160-290	436	442	446x452
AVX150BIAR	310	310	110	-	-	-
AVX230BIANR	390	390	138	-	-	-
AVX300BIANR	470	470	154	-	-	-

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX150BIA/R	278	77	40	25
AVX230BIAN/NR	668	185	53	45
AVX300BIAN/NR	1100	306	60	82

performance for AVC CDFN range



technical data

RATING: 220-240V ~AC, IP24; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** 4 pole induction motor with pre-oiled bearings. Thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C.

IP x4 ZONE U WARRANTY 5

EXCHANGE

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the AVACTRL range can be used to control the commercial built-in fans

accessories

- AVACTRL2R** Two-Speed Reverse Controller.
- AVACTRLV** Variable Speed Controller
- AVACTRLVRN** Variable Speed/Reverse Controller.

use of controllers

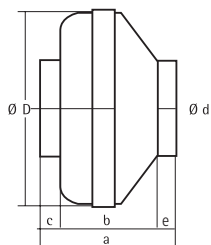
Model	150/6	230/9	300/12
AVACTRL2R	○	●+	○
AVACTRLV	●*	○	○
AVACTRLVRN	○	●+	●+

* EXCLUDES HUMIDISTAT MODELS
+ EXCLUDES MANUAL PULL CORD MODELS.

features

- for domestic commercial and industrial applications
- six sizes with a performance range of 180-1300m³/hr
- improved, unique snap-on bracket
- only suitable for in-duct installation

dimensions

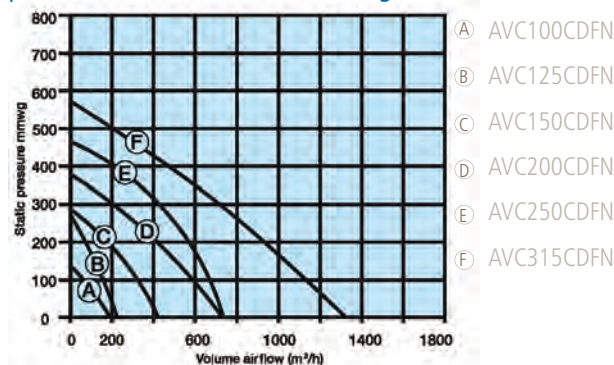


model	Ød	ØD	a	b	c	e
AVC100CDFN	100	250	272	136	50	72
AVC125CDFN	124	250	272	147	60	60
AVC150CDFN	149	340	283	154	53	76
AVC200CDFN	199	340	283	154	53	55
AVC250CDFN	249	340	283	177	53	82
AVC315CDFN	315	405	273	177	82	82

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W	weight kg
AVC100CDFN	180	50	43	32	2
AVC125CDFN	220	60	38	31	2
AVC150CDFN	420	115	51	80	3
AVC200CDFN	720	200	56	110	4
AVC250CDFN	730	205	57	110	5
AVC315CDFN	1300	360	57	200	6

performance for AVC CDFN range



technical data

RATING: 220-240V ~AC; IP44; CONSTRUCTION: high-strength plastic case; MOTOR: 4 pole induction motor, pre-oiled ball bearings. Thermal overload protection; VDE approved; MAXIMUM OPERATING TEMPERATURE: AVC100/125/200/250CDFN: 60°C; AVC150CDFN: 50°C; AVC315CDFN: 45°C.



key data: AVC315CDFN

Airflow m ³ /hour	1300	Power Watts	200
litres/sec	360	Noise dB(A)	57

the centrifugal in-duct range

- AVC100CDFN** 100mm Centrifugal duct fan.
- AVC125CDFN** 125mm Centrifugal duct fan.
- AVC150CDFN** 150mm Centrifugal duct fan.
- AVC200CDFN** 200mm Centrifugal duct fan.
- AVC250CDFN** 250mm Centrifugal duct fan.
- AVC315CDFN** 315mm Centrifugal duct fan.

Controllers

- AVIC1N** 1.7 amp Variable speed for use with CDFN range.

accessories

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA012** 10 Pk 60-325mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA060** 120mm x 10m Flexible Aluminium Duct.
- AVA070** 150mm x 10m Flexible Aluminium duct.
- AVA071** 200mm x 10m Flexible Aluminium duct.
- AVA080** 230mm x 10m Flexible Aluminium duct.
- AVA090** 315mm x 10m Flexible Aluminium duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA170** 120mm Fixed External Grille (Grey).
- AVA180** 120mm Gravity Shutter (Grey).
- AVA190** 150mm Fixed Grille (Grey).
- AVA200** 150mm Gravity Grille (Grey).
- AVA206** 300mm Fixed External Grille c/w Spigot (White).
- AVA207** 300mm Fixed External Grille (White).
- AVA208** 230mm Fixed External Grille (White).
- AVA209** 230mm Fixed External Grille c/w Spigot (White).
- AVA301** 230mm Through-Wall Vent Kit 400mm.
- AVA302** 300mm Through-Wall Vent Kit 400mm.
- AVA401** 100mm Air Valve.
- AVA408** 100mm E 'T' piece.
- AVA410** 100mm E 'Y' piece.
- AVA1206** 300mm Gravity Grille.
- AVA1209** 230mm Gravity Grille.
- SYSTEM 54**
- SYSTEM 60**
- For use with 100, 125, 150
- AVA351** Remote Timer.
- AVA361** Remote Humidistat.
- AVA362** Remote PIR.

See pages 61-68 for the full range of accessories.



AVCIMF100TK



specific fan power
AVCIMF100 fans

NOW:
Low Speed **0.35**
High Speed **0.34**



AVCIMF100N

key data: **AVCIMF200**

Airflow (hi) m ³ /hour	855	Power (hi) Watts	120
litres/sec	237	Noise dB(A)	84

the mixed flow range

- AVCIMF100N** 100mm In-duct mixed flow fan.
- AVCIMF100T** 100mm In-duct mixed flow fan with timer.
- AVCIMF125N** 125mm In-duct mixed flow fan.
- AVCIMF125T** 125mm In-duct mixed flow fan with timer.
- AVCIMF150N** 150mm In-duct mixed flow fan.
- AVCIMF150T** 150mm In-duct mixed flow fan with timer.
- AVCIMF200** 200mm In-duct mixed flow fan.
- AVCIMF100TK** 100mm timer model kit with 10m flexible ducting.

54 accessories

For 100mm

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA440** 100mm Condensation Trap.

For 120mm

- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA060** 120mm x 10m Flexible Aluminium Duct.
- AVA170** 120mm Fixed External Grille (Grey).
- AVA180** 120mm Gravity Shutter (Grey).

For 150mm

- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA070** 150mm x 10m Flexible Aluminium Duct.
- AVA190** 150mm Fixed Grille (Grey).
- AVA200** 150mm Gravity Grille (Grey).
- AVA300** 150mm Rigid Aluminium Duct 400mm.

For 200mm

- AVA012** 10 Pk 60-325mm Worm Drive Clamps.
- AVA071** 200mm x 10m Flexible Aluminium Duct.
- AVA080** 230mm x 10m Flexible Aluminium Duct.
- AVA209** 230mm Fixed External Grille c/w Spigot (White).
- AVA12098** 200mm Fixed External Grille c/w Spigot.

For 100, 125, 150mm

- AVA351** Remote Timer (not for use with AVCIMFT timer models).
- AVA361** Remote Humidistat (not for use with AVCIMFT timer models).
- AVA362** Remote PIR (not for use with AVCIMFT timer models).

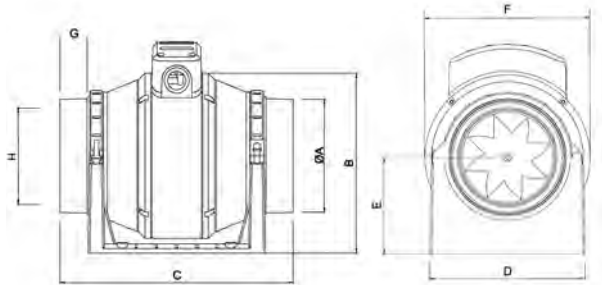
For all non-timer models

- AVIC1N** 1.7-amp Variable Speed Controller.
- See pages 61-68 for the full range of accessories.

features

- **NEW timer kit model**
- **Part L and Part F compliant with low SFP**
- **standard and timer low energy models**
- **2 fan-speed setting on 100/125/150 models – 3-speed on 200 model**
- **high air flows through flexible or rigid ducting**
- **uniquely designed construction allows easy installation and maintenance**
- **double insulation – no earth required**

dimensions



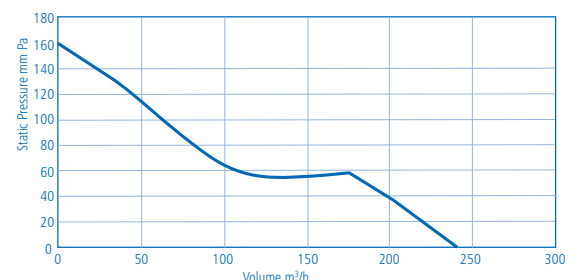
model	ØA	B*	C	D	E	F	G	H
AVCIMF100N/T	102	195	298	162	105	175	30	98
AVCIMF125N/T	122	195	260	162	105	175	30	118
AVCIMF150N/T	150	217	307	192	120	226	30	145
AVCIMF200	197	240	300	195	130	250	35/63**	192

*measured with junction box side; junction box height of 35mm
• narrow part; ** overall

performance

	fan speed rpm	airflow m ³ /hour	noise level dB(A)@ 2m	power W	weight kg
AVCIMF100N/T	hi	2210	254	25	24
	low	1670	187	20	18
AVCIMF125N/T	hi	2400	329	25	30
	low	1805	234	21	25
AVCIMF150N/T	hi	2350	521	35	49
	low	1870	441	31	41
AVCIMF200	hi	2630	855	39	120
	med	2520	738	35	113
	low	2400	648	33	110

performance for Mixed Flow range

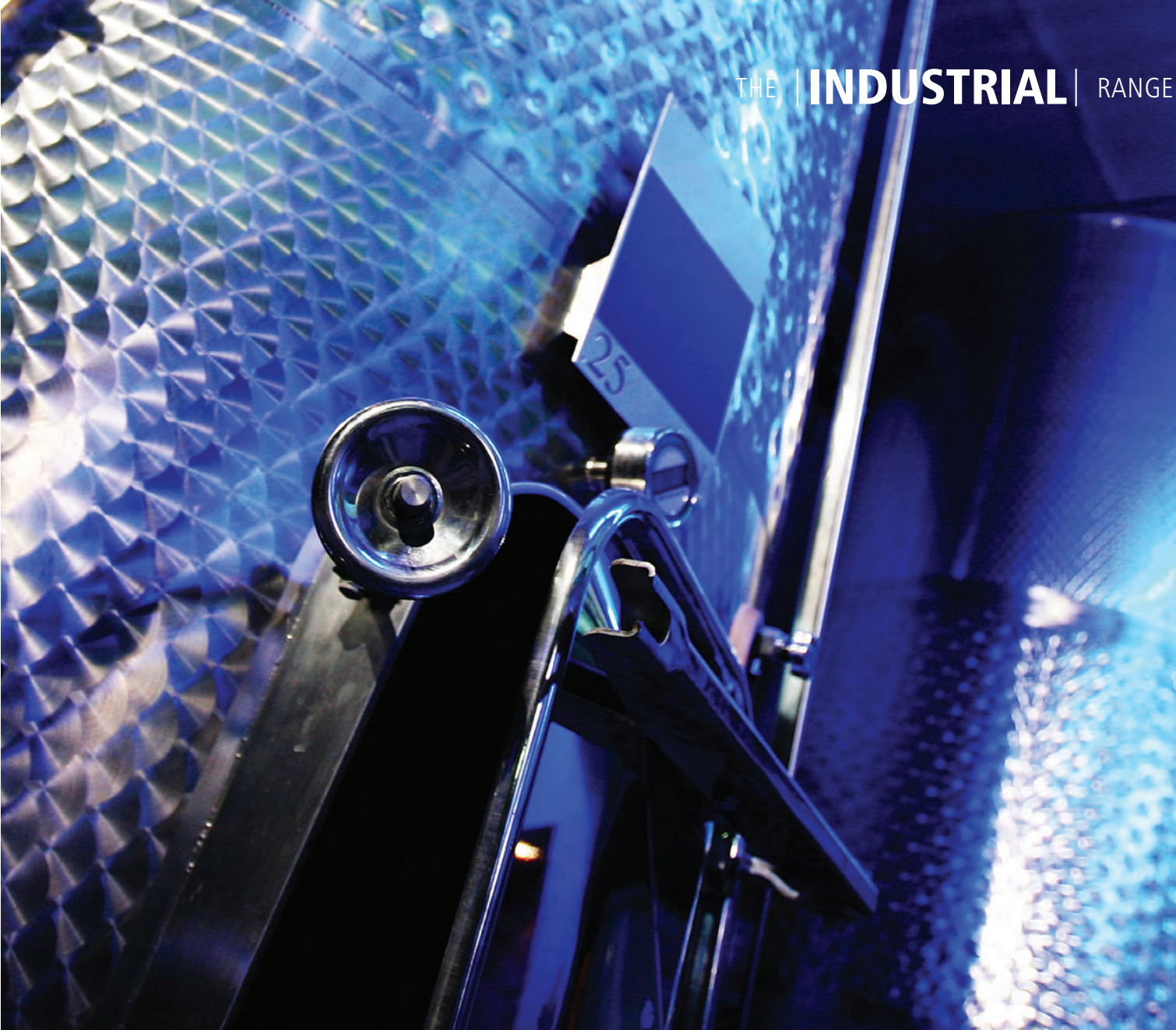


technical data

RATING: 220-240V ~AC; IPx4; **CONSTRUCTION:** high-strength plastic case; **MOTOR:** 4 pole induction motor, pre-oiled ball bearings. Thermal overload protection; max operating **TEMPERATURE:** 40°C. **CE**



EXCHANGE



SOLUTIONS FOR A WIDE RANGE OF INDUSTRIAL APPLICATIONS

overview <small>OF PRODUCT RANGES</small>	56
industrial in-duct <small>RANGE</small>	57
industrial plate fan <small>RANGE</small>	58/59
acoustic in-line <small>RANGE</small>	60

THE | **INDUSTRIAL IN-DUCT** | FANS



full details can be found on **PAGE 57**

Addvent offers solutions for a wide range of industrial applications from small commercial premises to large factories. Axial fans – for wall or panel mounting – or centrifugal fans – for in-duct installation – are available from 100mm [4"] to 630mm [24"]. Features include class-leading performance – up to 17,050m³/hour – extra slim profiles, in-duct options and unobtrusive, contemporary styling.

THE | **INDUSTRIAL PLATE** | FANS

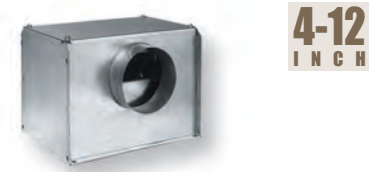


full details can be found on **PAGE 58**

A full range of speed controllers and accessories – grilles, through-wall kits and cowls – are available to complete your installation. And all with great warranty and support, as our design team can

help with recommendations, options and design solutions.

THE | **ACOUSTIC IN-LINE** | FANS



full details can be found on **PAGE 60**

INDUSTRIAL IN-DUCT RANGE

Our quieter-running Industrial In-duct range (DFN) is suited to demanding situations where higher performance airflows are required (250-1296m³/hr). Available in sizes from 100mm to 315mm, they have an external rotor motor, a robust steel case with hard-wearing epoxy finish and come complete with a fixing bracket. The AVIC1N variable-speed controller can be used with all models in this range.

ACOUSTIC IN-LINE FAN RANGE

Our centrifugal Acoustic In-line Fans are ideal where super-quiet operation is needed and are designed for pressures of up to 430Pa. Available from 100mm to 315mm, they have a dynamically balanced external rotor motor and feature a 50mm Class 'O' rated acoustic lining for superb sound control. Compact design ensures the unit is ideal for concealed ceiling mounting and the internal anchor points allow suspending or mounting at any angle utilising drop rods or anti-vibration mounts. And a quick release panel makes post-installation access easy.

INDUSTRIAL PLATE FAN RANGE

Our restyled Industrial Plate Fan range provides cost-effective solutions for most industrial applications. These Axial fans are high performance – 1200-17,050m³/hr – low-noise fans for use in general industrial, commercial and catering applications. Matching gravity grilles are available and there is a range of variable-speed controllers to suit each fan.

CONTROLLERS AND ACCESSORIES

Our range of speed controllers has been designed for use with our industrial extraction fans. These remote controllers can also be used with any of our 20-200W standard/auto products to upgrade an existing installations for improved control and energy savings. The product selector (page 56) details their application.

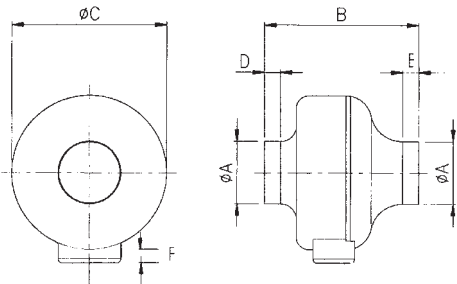
A range of accessories is available for use with our industrial products from 100mm [6"] to 315mm [12"].

Each product has the appropriate accessories listed on its page.

features

- high-performance flow rates 250-1296m³/hr
- only suitable for in-duct installation
- robust metal case
- supplied with bracket

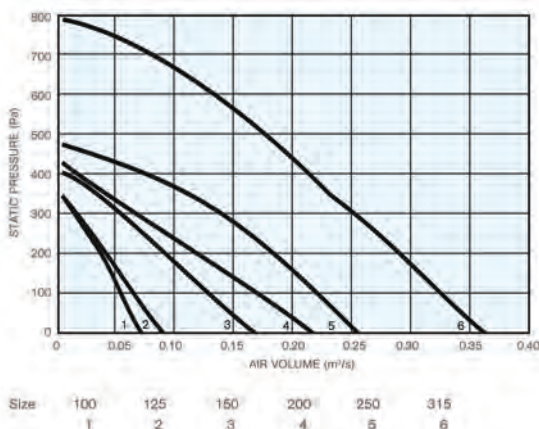
dimensions



model	ØA	B	ØC	D	E	F	Kg
AVI100DFN	98	240	250	35	36	30	3.0
AVI125DFN	123	240	250	35	36	30	3.0
AVI150DFN	148	250	342	35	36	30	5.0
AVI200DFN	198	239	349	25	27	30	5.0
AVI250DFN	248	259	349	25	27	30	5.5
AVI315DFN	313	259	399	32	27	42	6.0

	airflow m ³ /hour	fan speed litres/sec	noise level RPM	noise level dB(A)@ 2m	power W
AVI100DFN	250	69	2450	47	80
AVI125DFN	310	87	2450	46	80
AVI150DFN	590	165	2600	51	85
AVI200DFN	774	214	2600	50	85
AVI250DFN	907	252	2700	53	150
AVI315DFN	1296	360	2460	57	230

performance for Industrial In-duct range



technical data

RATING: 220-240V ~AC; IP44; CONSTRUCTION: Steel casing with epoxy finish; MOTOR: external rotor motor with thermal overload protection; MAXIMUM OPERATING TEMPERATURE: 60°C.

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key data: AVI315CDFN

Airflow m ³ /hour	1296	Power Watts	230
litres/sec	360	Noise dB(A)	57

the industrial in-duct range

- AVI100DFN** 100mm Metal Centrifugal duct fan.
- AVI125DFN** 125mm Metal Centrifugal duct fan.
- AVI150DFN** 150mm Metal Centrifugal duct fan.
- AVI200DFN** 200mm Metal Centrifugal duct fan.
- AVI250DFN** 250mm Metal Centrifugal duct fan.
- AVI315DFN** 315mm Metal Centrifugal duct fan.

Controllers

- AVIC1N** 1.7 amp variable speed controller for all AVI DFN fans.

accessories

- AVA010** 10 Pack 50-110mm Worm Drive Clamps.
- AVA011** 10 Pack 60-165mm Worm Drive Clamps.
- AVA012** 10 Pk 60-325mm Worm Drive Clamps.
- AVA050** 100mm x 10m Flexible Aluminium Duct.
- AVA060** 120mm x 10m Flexible Aluminium Duct.
- AVA070** 150mm x 10m Flexible Aluminium Duct.
- AVA071** 200mm x 10m Flexible Aluminium Duct.
- AVA080** 230mm x 10m Flexible Aluminium Duct.
- AVA090** 315mm x 10m Flexible Aluminium Duct.
- AVA100** 100mm Rigid Aluminium Duct 1.5m.
- AVA120** 100mm PVC Ducting 3m.
- AVA150** 100mm Fixed External Grille (Grey).
- AVA160** 100mm Gravity Shutter (Grey).
- AVA170** 120mm Fixed External Grille (Grey).
- AVA180** 120mm Gravity Shutter (Grey).
- AVA190** 150mm Fixed Grille (Grey).
- AVA200** 150mm Gravity Grille (Grey).
- AVA206** 300mm Fixed External Grille c/w Spigot (White.)
- AVA207** 300mm Fixed External Grille (White).
- AVA208** 230mm Fixed External Grille (White).
- AVA209** 230mm Fixed External Grille c/w Spigot (White).
- AVA440** 100mm Condensation Trap.

See pages 61-68 for the full range of accessories.

use of controllers

Model	100	125	150	200	250	315
AVIC1N	●	●	●	●	●	●

features

- axial: for wall or panel mounting
- high performance up to 5.09m³/sec and tested to ISO 5801
- reversible for supply or extract
- die-cast aluminium impellers
- fully speed controllable
- extra slim

a range of accessories and controllers are available for the industrial plate fan range



controllers

- AVIC1N** 1.7 amp Variable Speed Controller.
- AVIC4N** 3.0 amp Variable Speed Controller.
- AVIC6N** 5.0 amp Variable Speed Controller.
- AVIC14AN** 14.0 amp Variable Speed Controller.



accessories

- AVIPXG25N** 250mm Plate Fan Gravity Grille.
- AVIPXG31N** 315mm Plate Fan Gravity Grille.
- AVIPXG35N** 350mm Plate Fan Gravity Grille.
- AVIPXG40N** 400mm Plate Fan Gravity Grille.
- AVIPXG45N** 450mm Plate Fan Gravity Grille.
- AVIPXG50N** 500mm Plate Fan Gravity Grille.
- AVIPXG56N** 560mm Plate Fan Gravity Grille.
- AVIPXG63N** 630mm Plate Fan Gravity Grille.

technical data

RATING: Axial, Single Phase, 230v – 50Hz, IP54 (IP44 for AVIPX254MX); **MOTOR:** Class F Insulation with thermal overload protection, performance tested to ISO 5801, quality assured to BS EN ISO 9001:1994;
WORKING TEMPERATURE: -40°C to 70°C; **CE**

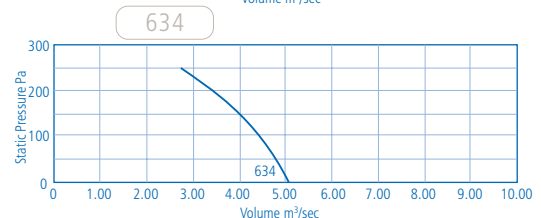
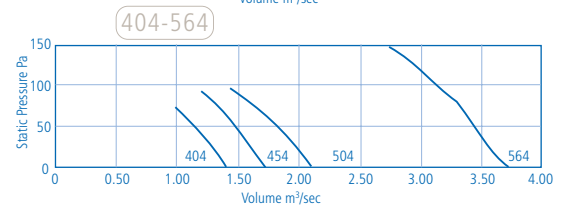
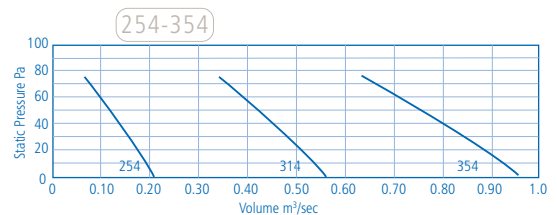
IP 44 AVIPX254MX **IP 54** **WARRANTY 5** EXCHANGE



performance

	airflow m ³ /sec	fan speed m ³ /hour	rpm	Start-up current Amp	Full load current Amp	db(A) @ 3m	power W	weight kg
AVIPX254MX	0.21	756	1390	0.3	0.16	44	30	3.4
AVIPX314MX	0.57	2052	1390	1.38	0.7	50	110	6.3
AVIPX354MX	0.96	3456	1390	1.45	0.84	53	180	7.3
AVIPX404MX	1.40	5040	1380	2.4	1.45	56	280	10.2
AVIPX454MX	1.72	6192	1380	3.6	1.6	61	360	15.8
AVIPX504MX	2.10	7560	1380	4.3	2.3	55	550	17.3
AVIPX564MX	3.72	13392	1220	9.3	3.1	63	1600	24
AVIPX634MX	5.09	18324	1360	28	9.9	70	1900	45

performance for Industrial plate fan range

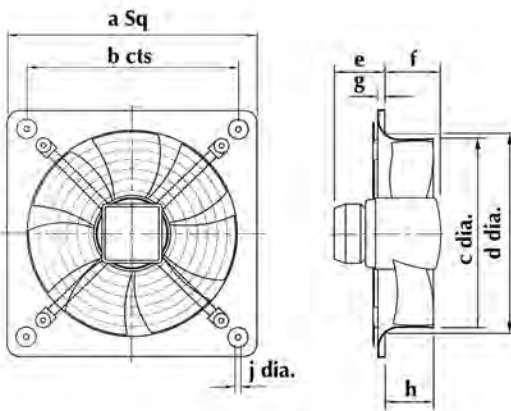




key data: **AVIPX254MX**

Airflow m ³ /hour	756	Power Watts	30
litres/sec	210	Noise dB(A)	44

dimensions



the industrial plate fan range

- AVIPX254MX** Axial 250mm Industrial Plate Fan.
- AVIPX314MX** Axial 315mm Industrial Plate Fan.
- AVIPX354MX** Axial 350mm Industrial Plate Fan.
- AVIPX404MX** Axial 400mm Industrial Plate Fan.
- AVIPX454MX** Axial 450mm Industrial Plate Fan.
- AVIPX504MX** Axial 500mm Industrial Plate Fan.
- AVIPX564MX** Axial 560mm Industrial Plate Fan.
- AVIPX634MX** Axial 630mm Industrial Plate Fan.

model	a	b	Øc	Ød	e	f	g	h	Øj
AVIPX254MX	370	320	256.5	264.5	84	80	6	80	9
AVIPX314MX	430	380	320	328	84	84	19	70	9
AVIPX354MX	485	435	367	372	86	97	21	75	9
AVIPX404MX	540	490	412	420	93	100	12	88	9
AVIPX454MX	575	535	463	480	86	139	14	96	11
AVIPX504MX	655	615	517	528	84	141	16	104	11
AVIPX564MX	725	675	568	589	81	142.5	16	119	11
AVIPX634MX	805	750	643	664	82	142.5	20	130	11

use of controllers

Model	254	314	354	404	454	504	564	634
AVIC1N	●	●	●	○	○	○	○	○
AVIC4N	○	○	○	●	●	●	○	○
AVIC6N	○	○	○	○	○	○	●	○
AVIC14AN	○	○	○	○	○	○	○	●



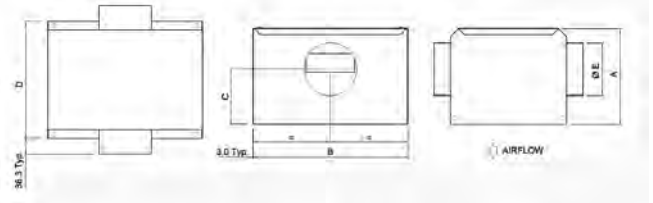
key data: AVI315AIL

Airflow m ³ /hour	3240	Power Watts	1320
litres/sec	900	Noise dB(A)	55

features

- ultra-quiet, acoustic housing
- Class 'O' rated lining, self-extinguishing, zero-burn rate, resists ignition, no toxic fumes
- performance tested to BS848 Part 1/2
- flow rates: 230m³/hr – 3240m³/hr
- standard circular spigot
- quick release access panel
- motor rated IP44

dimensions



model	A	B	C	D	E	weight kg
AVI100AIL	268	363	171	272	97	14
AVI125AIL	268	363	171	272	122	14
AVI150AIL	322	400	203	336	147	14
AVI200AIL	322	400	203	336	197	20
AVI250AIL	472	614	320	499	247	25
AVI315AIL	530	630	300	560	312	35

the industrial acoustic in-line range

- AVI100AIL 100mm Acoustic in-line centrifugal fan
- AVI125AIL 125mm Acoustic in-line centrifugal fan
- AVI150AIL 150mm Acoustic in-line centrifugal fan
- AVI200AIL 200mm Acoustic in-line centrifugal fan
- AVI250AIL 250mm Acoustic in-line centrifugal fan
- AVI315AIL 315mm Acoustic in-line centrifugal fan

accessories

60

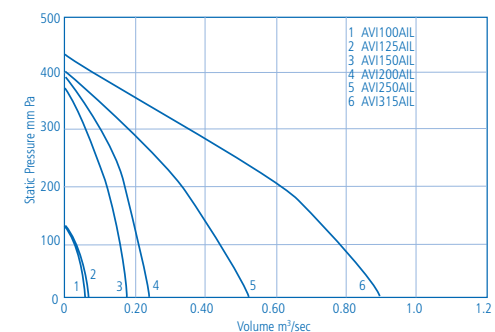
- AVA010 10 Pack 50-110mm Worm Drive Clamps.
- AVA011 10 Pack 60-165mm Worm Drive Clamps.
- AVA012 10 Pk 60-325mm Worm Drive Clamps.
- AVA050 100mm x 10m Flexible Aluminium Duct.
- AVA060 120mm x 10m Flexible Aluminium Duct.
- AVA070 150mm x 10m Flexible Aluminium Duct.
- AVA071 200mm x 10m Flexible Aluminium Duct.
- AVA080 230mm x 10m Flexible Aluminium Duct.
- AVA090 315mm x 10m Flexible Aluminium Duct.
- AVA100 100mm Rigid Aluminium Duct 1.5m.
- AVA120 100mm PVC Ducting 3m.
- AVA150 100mm Fixed External Grille (Grey).
- AVA160 100mm Gravity Shutter (Grey).
- AVA170 120mm Fixed External Grille (Grey).
- AVA180 120mm Gravity Shutter (Grey).
- AVA190 150mm Fixed Grille (Grey).
- AVA200 150mm Gravity Grille (Grey).
- AVA206 300mm Fixed External Grille c/w Spigot (White).
- AVA207 300mm Fixed External Grille (White).
- AVA208 230mm Fixed External Grille (White).
- AVA209 230mm Fixed External Grille c/w Spigot (White).

See pages 61-68 for the full range of accessories.

performance

	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVI100AIL	230	64	36	84
AVI125AIL	260	72	37	84
AVI150AIL	650	180	49	180
AVI200AIL	890	247	50	220
AVI250AIL	1900	528	46	600
AVI315AIL	3240	900	55	1320

performance for Industrial acoustic range



technical data

RATING: Single Phase, 230v – 50Hz, IP44; **MOTOR:** Class B Insulation, performance tested to BS848 Part 1 1980; quality assured to BS EN ISO 9001:1994; **WORKING TEMPERATURE:** -15°C to +40°C and atmospheres up to 95% RH; **CE**

IP 44 **WARRANTY 5**

EXCHANGE






















use of controllers

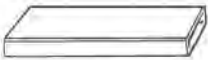


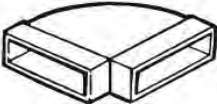
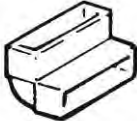

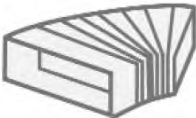
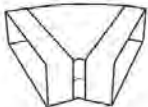


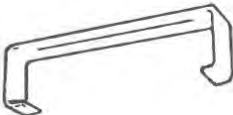
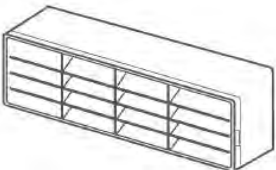
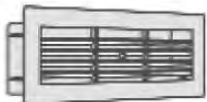
Model	100	125	150	200	250	315
AVIC1N	●	●	●	●	○	○
AVIC6N	○	○	○	○	●	○
AVIC6AN	○	○	○	○	○	●

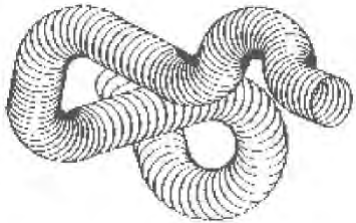
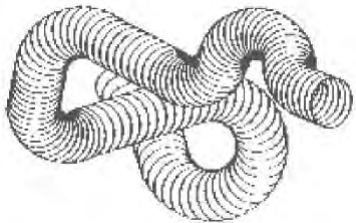
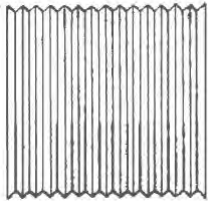
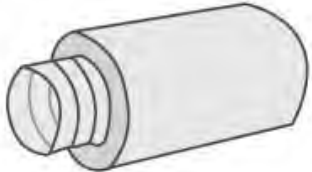
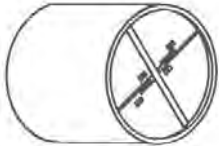
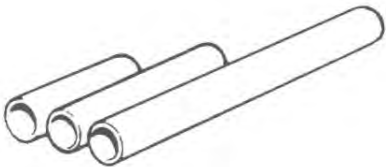

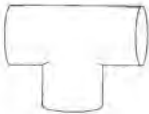



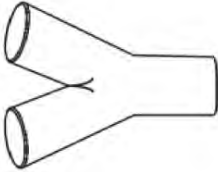


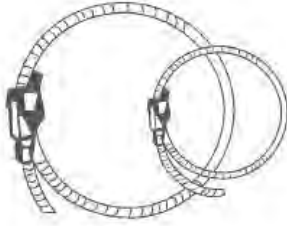
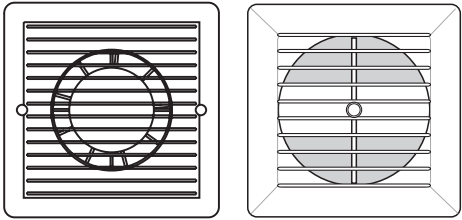
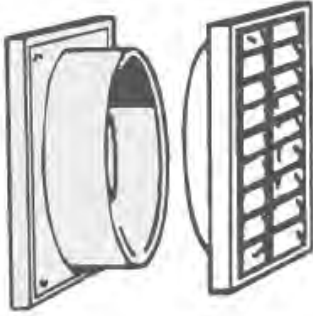
ACCESSORIES FOR ALL VENTILATION PRODUCTS

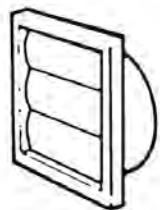

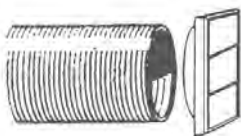
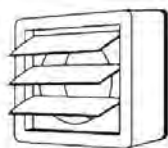
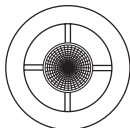
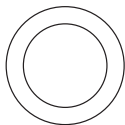


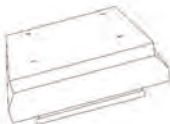

accessories	62
controllers	68

System 54 110mm x 54mm Flat Duct	Product Code	Qty	Description
	AVA54010	1	Flat Channel Duct x 1m length
	AVA54015	1	Flat Channel Duct x 1.5m length
	AVA54220	1	Flat Channel Duct x 2m length
	AVA54020	1	Flat Duct Connector
	AVA54030	1	90° Elbow Bend to 100mm - Female
	AVA54040	1	90° Elbow Bend to 100mm - Male
	AVA54050	1	Flat Horizontal 90° Bend
	AVA54060	1	Flat Vertical 90° Bend
	AVA54070	1	SHT Round/Rectangular Adaptor - Female
	AVA54071	1	SHT Round/Rectangular Adaptor - Male
	AVA54080	1	Horizontal Equal T Piece
	AVA54114	1	Round Wall Plate
	AVA54077	1	Air Brick Adaptor
	AVA54122	1	Flat Channel Clip
	AVA54F126	1	100mm Threaded Hose: Female
	AVA54M124	1	100mm Threaded Hose: Male
	AVA54C414	1	100mm Round Duct Connector
	AVA54115	1	Rectangular Wall Plate
	AVA54101	1	110 x 54mm Gravity Grille
	AVA54111B/T/W	1	Gravity Grille For Flat Duct
	AVA54103	1	110 x 54mm Cowled Wall Outlet
	AVA54131B/T/W	1	Cowled Outlet for Flat Duct
	AVA54105	1	110 x 54mm Louvered Vent
	AVA54151B/T/W	1	Fixed Louvre Grille
	AVA54146	1	110 x 54mm Egg Crate Grille
	AVA54152B/T/W	1	Egg Crate Grille
	AVA54501B/T/W	1	200x60mm Horizontal Louvre
	AVA54511B/T/W	1	200x60mm Vertical Louvre

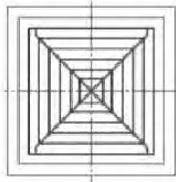
System 60 204mm x 60mm Flat Duct	Product Code	Qty	Description
	AVA60010	1	Flat Channel Duct x 1m length
	AVA60020	1	Flat Channel Duct x 1.5m length
	AVA60030	1	Flat Channel Duct x 2m length
	AVA60060	1	Flat Duct Connector
	AVA60240	1	90° Elbow Bend to 100mm - Male
	AVA60250	1	90° Elbow Bend to 125mm - Male
	AVA60260	1	90° Elbow Bend to 150mm - Male
	AVA60110	1	Flat Horizontal 90° Bend
	AVA60170	1	Flat Vertical 90° Bend
	AVA60080	1	Horizontal Equal T Piece
	AVA60090	1	Adjustable Bend
	AVA60100	1	Flat Horizontal 45° Bend
	AVA60230	1	Round to Rectangular adaptor 125mm Diameter
	AVA60220	1	Rectangular Wall Plate
	AVA60050	1	Flat Channel Clip
	AVA60270	1	125mm Horizontal Airbrick: White
	AVA60280	1	125mm Horizontal Airbrick: Brown
	AVA60290	1	125mm Horizontal Airbrick: Terracotta
	AVA60300	1	125mm Horizontal Airbrick: Cotswold Stone
	AVA60310	1	Horizontal Airbrick with Dampers: White
	AVA60320	1	Horizontal Airbrick with Dampers: Brown

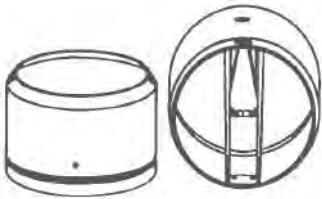

	Product Code	Qty	Description
	AVA120 AVAB021 AVAB023 AVAB024 AVAB040	1 20 1 32 12	3M/100mm PVC Ducting 3M/100mm PVC Ducting 45M/100mm PVC Ducting 6M/100mm PVC Ducting 5M/150mm PVC Ducting
	AVA050 AVA060 AVA070 AVA071 AVA080 AVA090	1 1 1 1 1 1	100mm Ø x 10M Long Flexible Aluminium Ducting 125mm Ø x 10M Long Flexible Aluminium Ducting 150mm Ø x 10M Long Flexible Aluminium Ducting 200mm Ø x 10M Long Flexible Aluminium Ducting 230mm Ø x 10M Long Flexible Aluminium Ducting 315mm Ø x 10M Long Flexible Aluminium Ducting
	AVA100 AVA300 AVA301 AVA299	1 1 1 1	100mm Ø Rigid Aluminium Duct x 1500mm Long 150mm Ø Rigid Aluminium Duct x 400mm Long 230mm Ø Rigid Aluminium Duct x 400mm Long 300mm Ø Rigid Aluminium Duct x 400mm Long
	AVA130 AVA140 AVA117 AVA218	1 1 1 1	100mm Insulated Ducting x 10m Length 125mm Insulated Ducting x 10m Length 156mm Insulated Ducting x 10m Length 200mm Insulated Ducting x 10m Length
	AVAB130	10	100mm Ø In-Line Backdraft Shutter
	AVA54135 AVA54150 AVA54190 AVA078	1 1 1 1	100mm Ø Pipe x 350mm Long 100mm Ø Pipe x 500mm Long 100mm Ø Pipe x 1000mm Long 150mm Ø Pipe x 1000mm Long
	AVA490 AVA590 AVA690	1 1 1	100mm Equal 90 degree bend 125mm Equal 90 degree bend 150mm Equal 90 degree bend
	AVA408 AVA075 AVA091	1 1 1	100mm Equal T Piece 125mm Equal T Piece 150mm Equal T Piece
	AVA60C515 AVA60C616		125mm Round Duct Connector 150mm Round Duct Connector

	Product Code	Qty	Description
	AVA410 AVA077 AVA093	1 1 1	100mm Equal Y Piece 125mm Equal Y Piece 150mm Equal Y Piece
	AVA044 AVA047 AVA048 AVA113 AVA114	1 1 1 1 1	100mm to 80mm Reducer 125mm to 100mm Reducer 200mm to 150mm Reducer 150mm to 100mm Reducer 150mm to 125mm Reducer
	AVA440	1	100mm Condensation Trap
	AVA010 AVA011 AVA012	1 1 1	50mm to 110mm Worm Drive Clamp 60mm to 165mm Worm Drive Clamp 60mm to 325mm Worm Drive Clamp
 <div style="display: flex; justify-content: space-around; margin-top: 10px;"> AVX100 FLUSH-FIT </div>	AVA001 AVA002 AVA003 AVA004 AVA005 AVA006 AVA007 AVA008	1 1 1 1 1 1 1 1	AVX100 Chrome Cover AVX100 Gold Cover AVX100FF Chrome Cover AVX100FF Gold Cover AVX120FF Chrome Cover AVX120FF Gold Cover AVX150FF Chrome Cover AVX150FF Gold Cover
	AVA150 AVAB151B/G/T/W AVA170 AVA190 AVAB192B/G/T/W AVA12098 AVA209 AVA208 AVA207 AVA206	1 20 1 1 10 1 1 1 1 1 10	100mm External Fixed Louvered Grille – Grey 100mm External Fixed Louvered Grille – Various 125mm External Fixed Louvered Grille – Grey 150mm External Fixed Louvered Grille – Grey 150mm External Fixed Louvered Grille – Various 200mm External Fixed Louvered Grille – White 230mm External Fixed Louvered Grille – White 230mm External Fixed Louvered Grille (no spigot) – White 300mm External Fixed Louvered Grille (no spigot) – White 300mm External Fixed Louvered Grille – White

	Product Code	Qty	Description
	AVA160 AVAB161B/G/T/W AVA180 AVA200 AVAB202B/G/T/W AVA1209 AVA1206	1 20 1 1 10 1 1	100mm External Gravity Grille – Grey 100mm External Gravity Grille – Various colours 125mm External Gravity Grille – Grey 150mm External Gravity Grille – Grey 150mm External Gravity Grille – Various colours 230mm External Gravity Grille – White 300mm External Gravity Grille – White
	AVA401 AVA066 AVA083 AVA096	1 1 1 1	100mm Plastic Air Valve 125mm Plastic Air Valve 150mm Plastic Air Valve 200mm Plastic Air Valve
	AVA270 AVA271 AVA280 AVA295 AVA302	1 1 1 1 1	100mm Wall Vent Kit – with grey gravity grille 125mm Wall Vent Kit – with grey gravity grille 150mm Wall Vent Kit – with grey gravity grille 230mm Wall Vent Kit – with grey gravity grille 300mm Wall Vent Kit – with grey gravity grille
	AVA269 AVA267 AVA268	1 1 1	100mm Window Kit - White 125mm Window Kit - White 150mm Window Kit - White
	AVA211	1	100mm Showerlight Diffuser
	AVA212C AVA212B AVA213C AVA213B	1 1 1 1	100mm Chrome Bezel 100mm Brass Bezel 150mm Chrome Bezel 150mm Brass Bezel
	AVA094	1	200mm Air Diffuser
	AVA703	1	Tumble Drier Kit
	AVA309 AVA309/1	1 1	AVX230 Roof Cowl Termination AVX300 Roof Cowl Termination
	AVA447	1	100mm diameter High Rise Installation Kit

	Product Code	Qty	Description
	AVAIN410 AVAIN420 AVAIN510 AVAIN520 AVAIN610 AVAIN620	1 1 1 1 1 1	Insulated Rigid PVC Pipe 100mm Ø x 1000mm Long Insulated Rigid PVC Pipe 100mm Ø x 2000mm Long Insulated Rigid PVC Pipe 125mm Ø x 1000mm Long Insulated Rigid PVC Pipe 125mm Ø x 2000mm Long Insulated Rigid PVC Pipe 150mm Ø x 1000mm Long Insulated Rigid PVC Pipe 150mm Ø x 2000mm Long
	AVAIN490 AVAIN590 AVAIN690 AVAIN445 AVAIN545	1 1 1 1 1	Insulated 90° Bend 100mm Ø Insulated 90° Bend 125mm Ø Insulated 90° Bend 150mm Ø Insulated 45° Bend 100mm Ø Insulated 45° Bend 125mm Ø
	AVAIN740 AVAIN750 AVAIN760	1 1 1	Insulated 100mm Ø T Piece Insulated 125mm Ø T Piece Insulated 150mm Ø T Piece
	AVAIN840 AVAIN850 AVAIN860	1 1 1	Insulated 100mm Ø Y Piece Insulated 125mm Ø Y Piece Insulated 150mm Ø Y Piece

Industrial Grilles	Product Code	Qty	Description
	AVA90001 AVA90003 AVA90005 AVA90006 AVA90007 AVA90008	1 1 1 1 1 1	150mm x 150mm 4 Way Diffuser 300mm x 300mm 4 Way Diffuser 450mm x 450mm 4 Way Diffuser (inc Damper) 150mm x 150mm Egg Crate Grille 300mm x 300mm Egg Crate Grille 594mm x 594mm Egg Crate Grille - Ceiling Tile

Fire Protection	Product Code	Qty	Description
	AVA405 AVA406 AVA072 AVA073 AVA088 AVA099	1 1 1 1 1 1	100mm Fusible Fire Damper 100mm Twin Blade Fire Damper 125mm Fusible Fire Damper 125mm Twin Blade Fire Damper 150mm Twin Blade Fire Damper 200mm Twin Blade Fire Damper
	AVA310 AVA311 AVA312 AVA313	1 1 1 1	100mm Air Valve with attached Fire Damper 125mm Air Valve with attached Fire Damper 150mm Air Valve with attached Fire Damper 200mm Air Valve with attached Fire Damper



the controller range

Controllers for the Industrial and Industrial In-duct.
Two year exchange warranty

- AVIC1N** (1) 1.7 amp Variable Speed Controller.
- AVIC4N** (2) 3.0 amp Variable Speed Controller.
- AVIC6N** (3) 5.0 amp Variable Speed Controller.
- AVIC6AN** (4) 10.0 amp Variable Speed Controller.
- AVIC14AN** (5) 14.0 amp 5-speed Auto Transformer Control.

Controllers for the Commercial and Professional Range.
Five-year exchange warranty

- AVACTRL2R** (6) Two speed reverse.
- AVACTRLV** (7) Variable speed.
- AVACTRLVRN** (8) Variable speed/reverse.
- AVIC1N** (9) 1.7 amp Variable Speed Controller.

Remote Controllers* Five-year exchange warranty
Please contact the Addvent Technical Department for compatibility.

- AVA351** (10) Remote Timer: 1-20 mins.
- AVA361** (11) Remote Humidistat, RH20-90%; and Timer, 1-20 mins.
- AVA362** (12) Remote PIR, 5 metre range and Timer, 1-20 mins.



Controllers for use with heat recovery and wholehouse products. Two year exchange warranty

- AVACTRLHR** (13) 150VA Transformer.
- AVA363** (14) Trickle Boost Switch.
- AVA364** (15) Ambient Response Humidistat.
- AVA365** (16) PIR Controller.
- AVA366** (17) Overrun Timer.

use of controllers quick reference

COMMERCIAL AND PROFESSIONAL RANGE					INDUSTRIAL RANGE								
Model	150/6	230/9	300/12	Built-in	Model	254	314	354	404	454	504	564	634
AVACTRL2R	○	●+	○	○	AVIC1N	●	●	●	○	○	○	○	○
AVACTRLV	●*	○	○	○	AVIC4N	○	○	○	●	●	●	○	○
AVACTRLVRN	○	●+	●+	●	AVIC6N	○	○	○	○	○	○	○	●
					AVIC14AN	○	○	○	○	○	○	○	●
CENTRIFUGAL AND INDUSTRIAL IN-DUCT RANGES					ACOUSTIC RANGE								
Model	100	125	150	200	250	315	Model	100	125	150	200	250	315
AVIC1N	●	●	●	●	●	●	AVIC1N	●	●	●	●	○	○
MIXED FLOW RANGE													
Model	100	125	150	200	Model	100	125	150	200	250	315		
AVIC1N **	●	●	●	●	AVIC1N	○	○	○	○	○	○	○	○
					AVIC6N	○	○	○	○	○	○	○	○
					AVIC6AN	○	○	○	○	○	○	○	●



FOR MORE PLEASANT SURROUNDINGS

overview OF PRODUCT RANGES 70

mobile air con RANGE 71

air circulator RANGE 72

And it isn't just ventilation products.

Addvent offers a range of climate management products to suit a wide spectrum of needs.

And all with great warranty and support, as our design team can help with recommendations, options and design solutions.

THE | **MOBILE AIR-CON** | RANGE



full details can be found on **PAGE 71**

MOBILE AIR-CON

Our high-efficiency mobile air conditioning unit is available as a 9,000btu model. Featuring contemporary, silver styling, it is easy to install and use.

The **NEW** AVAC9000CMS is a popular unit, featuring 'self-evaporation' of moisture, avoiding the need to continually empty water containers and is suitable for rooms up to 20m² at normal ceiling height.

The unit can be vented through a window using the optional AVACWK kit.

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THE | **AIR CIRCULATOR** | RANGE



full details can be found on **PAGE 72**

AIR CIRCULATORS range

Stylishly designed with a chrome finish, our Air Circulators are ideal for domestic, commercial and industrial applications. The 18" fan has a high-performance with 3-speed control, precision balanced blades and a 360° tilt action for flexible use. The pedestal version allows the option of high-level operation. The 20" fan is for higher airflow requirements.

features

- NEW model now in silver finish
- fully self-evaporating (no need to empty water containers)
- contemporary styling with robust construction
- for rooms up to 20m² at normal ceiling height
- easy-to-use manual controls
- 12-hour timer



the AVAC9000CMS portable air conditioner *for home, office and light commercial use*

71

accessories

AVACWK Accessory window kit.

performance

	airflow m ³ /hour	removal litres/sec	power W
AVAC9000CMS	668	185	1200

guide to use

The approximate room sizes quoted are for guidance only and refer to domestic applications and do not apply to conservatories: Please consult Addvent for specific advice.

technical data

POWER SUPPLY: 220-240V/50Hz; RATED COOLING CAPACITY: 2.6kW;
 RATED INPUT: 1200W; ENERGY EFFICIENCY CLASS: C;
 MOISTURE REMOVAL: 1.6l/h; AIR CIRCULATION VOLUME: 320m³/h;
 TEMPERATURE SETTING RANGE: 16-32°C; REFRIGERANT/CHARGE:
 R407C/650g; DIMENSIONS: 435w x 790h x 400d;
 OUTLET DUCT: 125mmØ; WEIGHT: 30kG.

IP 24 ZONE U WARRANTY 1

EXCHANGE



features

- high-performance, up to 6,600m³/sec
- 3-speed fan
- stainless-steel fan blades
- black finish
- supplied with stand
- pedestal model (AVACP20)
- two-year warranty

AVAC20X

AVACP20

AVAC18X

the AVAC air circulator range

stylish solutions for circulating air

the air circulator range

- AVAC18X** 18" (460mm) Air Circulator.
- AVAC20X** 20" (510mm) Air Circulator.
- AVACP20** 20" (510mm) Pedestal Air Circulator.

performance

	weight kg	power W	speed setting	airflow m ³ /hour	current amps
AVAC18X	7.5	120	low	2400	0.24
			medium	3500	0.27
			high	4100	0.30
AVAC20X	9.0	150	low	3900	0.40
			medium	4950	0.41
			high	7075	0.50
AVACP20	9.0	150	low	3900	0.40
			medium	4950	0.41
			high	7075	0.50

technical data

RATING: AVAC18/20: 220-240V ~50 Hz

IP 20 ZONEU WARRANTY 2

EXCHANGE



TO PROTECT AND CLEANSE IN SENSITIVE AREAS

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rapide <small>HAND DRYER RANGE</small>	75
hand dryer <small>RANGE</small>	76
insect killer <small>RANGE</small>	77

And it isn't just ventilation products.

Addvent offers a range of hygiene products to suit a wide spectrum of needs from environmentally friendly hand dryers to insect killers.

And all with great warranty and support, as our design team can help with recommendations, options and design solutions.

THE | **RAPIDE HAND DRYER** | RANGE



full details can be found on **PAGE 75**

RAPIDE 'GREEN SPOT' HAND DRYERS

Our Rapide 'Green Spot' hand dryer offer great eco-credentials. With its tri-colour drying zone and powerful operation it provides super-fast drying times of between 10-12 seconds. This combination of high-speed drying, variable element output and low-energy usage gives as much as 70% energy saving and substantially lower 'cost of ownership' figures over comparable, conventional dryers. Available in brushed stainless steel, or white enamel finishes, the Rapide offers a solution for every drying application from chic 'boutique' hotel washrooms to the no-frills demands of schools and construction sites.

THE | **HAND DRYER** | RANGE



full details can be found on **PAGE 76**

HAND DRYERS

The Addvent automatic hand dryers are designed for areas of light to medium usage to provide a fast and reliable hand-drying system. The AVHD2000AAC is for heavier usage areas and is constructed from heavy-duty cast aluminium. With its high surface-area element, fast drying times can be achieved with minimum energy usage.

THE | **INSECT KILLER** | RANGE



full details can be found on **PAGE 77**

INSECT KILLERS

The AVIK Insect Killer range is designed to attract flying insects and intended for use in food preparation and manufacturing areas. Efficient and safe in use, the fluorescent tubes emit UVA rays for effective attraction of insects which are electrocuted by the high-tension grid within the unit. The units can be wall or ceiling mounted and come in 3 ratings – 20W, 30W and 40W – and now with the option of a stylish stainless steel finish on the 40W model for areas where style is important, such as in retail outlets.



AVHD1600SS



AVHD1600

RAPIDE



75

the AVHD1600SS and AVHD1600 RAPIDE hand dryers
powerful operation and super-fast drying

performance

	airflow m ³ /hour	motor W	input W	sound level dB(A) @ 3m	weight kG
AVHD1600	116	700	1600	70.5	5.8
AVHD1600SS	116	700	1600	70.5	5.8

features

- low-carbon emissions
- up to 70% energy savings
- infra-red automatic operation
- unique tri-colour drying zone
- 10-12-second drying time
- 700W motor
- 450-900W adjustable heater element
- rated at 1.6kW

technical data

MOTOR: 700W; RATED: 1.6kW @240V; 220-240V ~50Hz; IPX1;
 □; ADJUSTABLE ELEMENT: 450-900W; THERMAL CUT-OUT: @ 105°C;
 WARM AIR OUTPUT SPEED: 75-100m/s; WEIGHT: 5.8kG nett/6.6kG gross; DIMENSIONS: 277h x 201w x 175d (mm);
 APPROVAL/COMPLIANCE: TUV/GS; ROHS; CE



AVHD1510A



AVHD2000AAC

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the AVHD1510A and AVHD2000AAC hand dryers *for office and light commercial use*

features

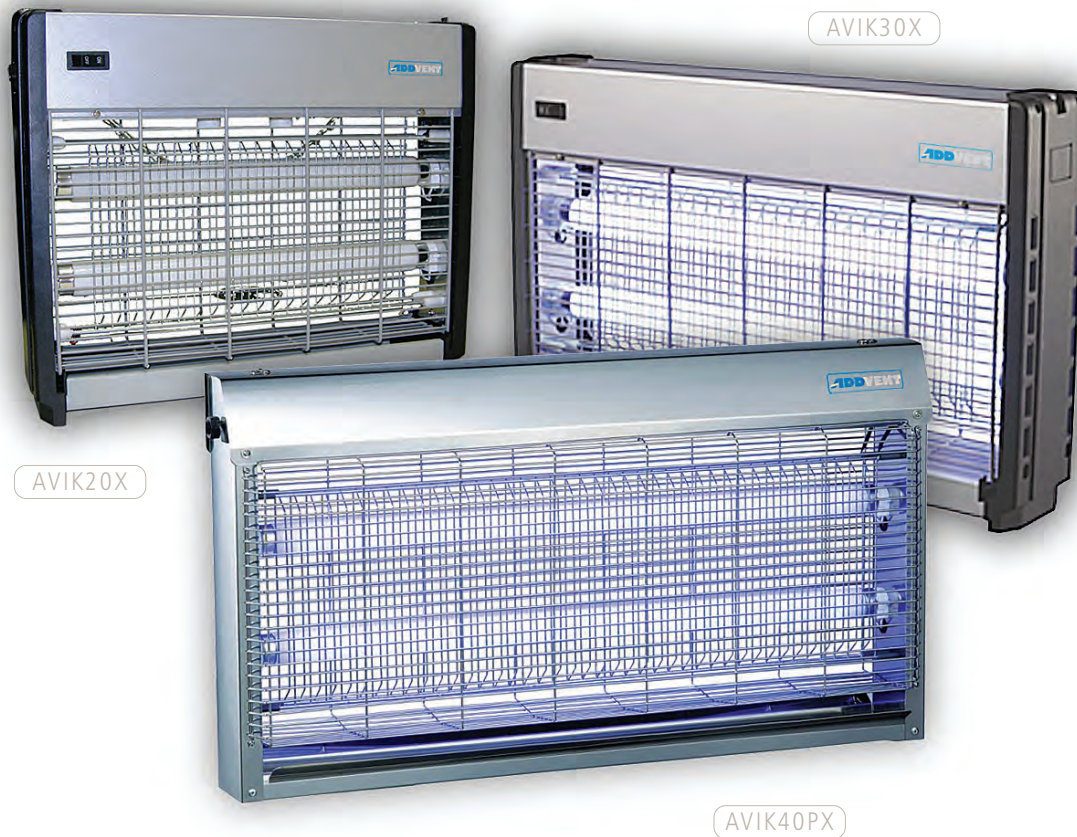
- ideal for catering establishments and clinics
- ABS construction AVHD1510A, aluminium construction on AVHD2000AAC
- all models suitable for wall fixing
- two-year on-site warranty

performance

	airflow m ³ /hour	motor W	input W	sound level dB(A) @ 1m	weight kg
AVHD1510A	110	53	1530	47	3.7
AVHD2000AAC	153	109	2109	54	4.7

technical data

OPERATION: Automatic, IR detection;
RATING: 220-240V ~50Hz; ⚡; IP22; **CONSTRUCTION:**
 AVHD1510A: 3mm ABS thermoplastic, double-insulated;
 AVHD2000AAC: cast aluminium; **MOTOR:** 2500rpm induction type; **DIMENSIONS:** 225h x 275w x 160d; **CE**



the AVIK insect killer range

for food preparation and manufacturing areas

performance

	lamp	lamp type	power W	coverage m ²	dimensions mm wxhxd
AVIK20X	2 x10W	F10/T8	20	30	388/100/310
AVIK30X	2 x15W	F15/T8	30	40	490/100/310
AVI40X	2 x20W	F20/T8	40	50	646/100/360
AVIK40PX	2 x20W	F20/T8	40	50	680/110/360

accessories/spares

AVIKUVL10WN 1 x 10W Bulb
 AVIKUVL15WN 1 x 15W Bulb
 AVIKUVL20WN 1 x 20W Bulb

technical data

RATING: 2500V ~50/60Hz; ; CONSTRUCTION: aluminium alloy chassis; magnetic transformer. **CE**

the insect killer range

- AVIK20X** High-tension insect killer: 2x 10W lamps.
- AVIK30X** High-tension insect killer: 2x 15W lamps.
- AVIK40X** High-tension insect killer: 2x 20W lamps.
- AVIK40PX** High-tension insect killer: 2x 20W lamps.

features

- easy-clean aluminium alloy chassis
- stainless-steel finish on AVIK40PX 40W model
- wall-mount or ceiling suspended
- RoHS Directive compliant
- approved to EN60335-2-59 standard

the zones and use of equipment

Bathroom zones are identified from 0 to 2, with 0 being the wettest, the former Zone 3 is now undefined. **Any electrical item approved for use in a zone may be used in another zone with a higher number, but not in a lower number zone.**

ZONE 0 **Zone 0** The interior of the bath or shower which can hold water. Requires Low-voltage (max 12V) electrical products and to be IPX7 (the mechanical protection is unimportant).

ZONE 1 **Zone 1** The area directly above zone 0 is limited vertically to 2.25m above the bottom of the bath or shower. **Requires electrical**

ZONE U **Zone U** **products to be IPX4 or better, or SELV with the transformer located**

beyond Zone 2. If the fitting is 240v, a

ZONE 2 **30mA RCD must protect the circuit.**

Zone 2 The area beyond zones 0 and 1, 0.6m horizontally and up to 2.25m vertically. Zone 2 also includes any window with a sill next to the bath. **Requires electrical products to be IPX4 or better, or SELV with the transformer located beyond Zone 2.**

Unzoned The area beyond Zone 2, previously referred to as Zone 3, is now undefined. **Where previously Addvent products were shown as suitable for Zone 3 they now display this Unzoned badge.**

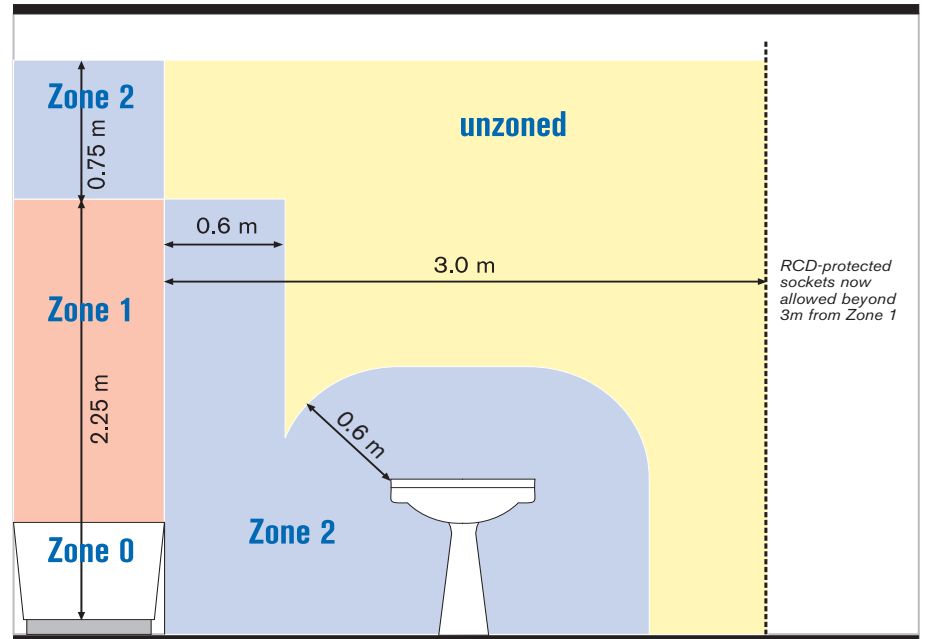
3m Beyond zone 1 When a bathroom extends 3 metres beyond zone 1, portable equipment is permitted. **Any socket used for this portable equipment must be protected by a 30mA RCD.**

Warranty

Addvent is so confident in the quality of its installed products that they carry an exceptional five-year, no quibble exchange warranty.

Some domestic, commercial and industrial ventilation products carry a 2-year exchange warranty and some air conditioning products a one-year exchange warranty.

If for any reason you or your customer is not entirely satisfied Addvent will exchange the product concerned without question.



Bathroom regulations

IMPORTANT CHANGES

Under NICEIC Wiring Regulations bathrooms represent an increased electrical hazard. The 17th Edition regulations make some changes regarding technical alignment with European Harmonisation Documents, as well as additional definitions and requirements.

A significant change is that 30mA RCD protected socket outlets are now permitted beyond a distance of 3m from Zone 1. They remain prohibited within 3m of Zone 1. There are some changes to the defined zones in the bathroom. Zones 1 and 2 remain, but Zone 3 is no longer defined (see the amended typical bathroom illustration above). The regulations continue to demand a minimum of IPX4 in Zones 1 and 2.

Addvent offers a range of IP24-rated fans which meet these regulations and also offer a range of IP44 Low-voltage fans – recommended for added safety.

PELV and SELV

As well as IP numbers, items may be classed as PELV or SELV.

- ▶ **Protective Extra-Low-voltage (PELV)** – the item uses Low-voltage but it is connected to earth;
- ▶ **Safety Extra-Low-voltage (SELV)** – also a low-voltage system but with the output isolated from the input.

All Addvent low-voltage products are classed SELV.

What is IP rating?

Electrical equipment may be identified as having a certain level of mechanical and moisture protection. This is called Ingress Protection and is quoted as an IP number – such as IPXY, where X and Y are numbers. X indicates the level of mechanical protection and Y the level of moisture protection. In both cases, the higher the number, the better the protection. If an item of electrical equipment is not IP rated, it must not be used in zones 0, 1 or 2 (or elsewhere in a wet/damp environment).

TYPICAL IP RATED ITEMS

Typical electrical items which are marked with IP numbers include: extractor fans, lighting, heaters, shower pumps, electric showers. Shaver power points are not IP rated. If they comply with BS EN 60742 they may be located in Zone 2 (or beyond) providing they are unlikely to be subject to direct spray from a shower. Standard fittings – such as wall sockets, flexible cord outlets and fused switches – are not IP rated so must not be installed within zones 0, 1 or 2. Although 30mA RCD protected socket outlets are now permitted beyond a distance of 3m from Zone 1.

Approvals and compliance

BEAB

The 'BEAB Approved' mark is an electrical safety mark whose scope covers electrical products for domestic and small office use. It demonstrates that the UK's leading, independent approvals specialists have evaluated a product to the highest European and International standards and that a product meets the essential requirements of the relevant EU Directives.

CE APPROVAL

The CE mark is the manufacturer's declaration to appropriate enforcement authorities that the product complies with all relevant European Directives, such as the Low-voltage Directive for Safety (73/23/EEC, amended by 93/96/EEC) and the Electromagnetic Compatibility Directive for Radio Interference (89/336/EEC, amended by 92/31/EEC), see below.

Addvent products comply with European Directives and carry the CE mark.

EMC COMPLIANCE

With increasing levels of electrical equipment comes the need to limit interference. The Electromagnetic Compatibility (EMC) Directive 89/336/EEC, as amended by 91/31/EEC and 93/68/EEC, set standards for interference levels: products must be constructed so that they do not cause excessive electromagnetic interference and are not unduly affected by electromagnetic interference. Most electrical and electronic products marketed in the European Economic Area must comply with the EMC Directive.

Where Addvent products have been tested and conform to these regulations, this is indicated by the symbol shown opposite.

ROHS COMPLIANCE

RoHS – Restriction of Hazardous Substances, Directive 2002/95/EC – restricts the use of specific hazardous materials found in electrical and electronic products. All applicable products in the EU market after July 1, 2006 must pass RoHS compliance.

The substances banned under RoHS are lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (CrVI), polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE).

WEEE REGULATIONS

Addvent fully conforms to Waste Electrical & Electronic Equipment Regulations which came into full effect on 1 July 2007. If you are in any doubt about the safe disposal of WEEE products, please contact us for advice on 0117 923 5375 or fax our technical team on 0117 923 5374.

IP rating digit information

First Digit (X) Protection against solids	Second digit (Y) Protection against liquids
0 No protection	0 No protection
1 Protected against solid objects greater than 50mm	1 Protection against vertical water drops
2 Protected against solid objects greater than 12mm	2 Protection against direct water spray up to 15° from vertical
3 Protected against solid objects greater than 2.5mm	3 Protection against direct water spray up to 60° from vertical
4 Protected against solid objects greater than 1mm	4 Protection against direct water spray from all directions
5 Protected against dust	5 Protection against low-pressure jets of water from all directions
6 Total protection from dust	6 Protection against jets of water of similar force to heavy seas
Figures shown are recommendations. Where an X appears in this catalogue, the product has not been tested.	7 Protection against immersion between 150-1000mm
	8 Protection against submersion

All dimensions in this catalogue are given in millimetres unless otherwise stated.

Addvent reserve the right to alter specifications without notice.

All performance figures refer to maximum levels. All specifications and performance data is correct at time of printing. **ISSUE 21** 05/12.





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DOMESTIC

COMMERCIAL

INDUSTRIAL