



2018-19

VENTILATION PRODUCTS • DOMESTIC • COMMERCIAL • INDUSTRIAL

ISSUE 26

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.

You can find full details of all our products together with technical information and selection advice on our new website...

www.addvent.co.uk

for all product information



VENTILATION PRODUCTS

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our free ventilation design service is a valuable resource for customers

features

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

and now...

- industry-compliant schemes for Heat Recovery installations using BIM software.

The free 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.

And now a full, free design service for Heat Recovery as well

Heat Recovery systems can't just be bought off the shelf and installed. So, Addvent now offer a fully specified design solution for any Heat Recovery installation with a market-leading turnaround for design completion. Utilising industry-standard Building Information Modelling software from Autodesk Revit®, we can supply a scheme showing precise positioning of the Heat Recovery Unit, sizes, positioning and flow directions for ducting, all calculations for air pressures and flow rates – with all allowances for building design and layout – issuing of 2D and 3D drawings, and detailed Bill of Materials including delivery schedule and quotation.

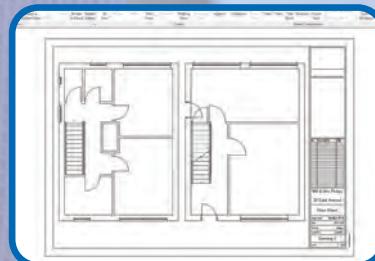
Full details are available from our technical department, for further information **TELEPHONE 0117 938 6402**
E-MAIL **addventdesignservice@adivision.co.uk**
or FAX 0117 923 5374.

FREE design and specification workflow using Autodesk Revit®

STEP 1

Import DWG or PDF file to Addvent network

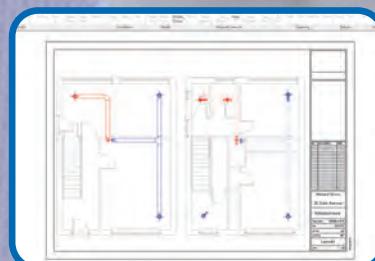
Our design team import an industry-standard DWG or PDF file from a contractor or architect.



STEP 2

Place equipment and draw ductwork

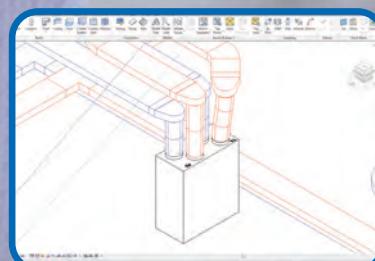
The equipment specified for the design scheme is positioned and the appropriate ductwork is drawn.



STEP 3

Size ductwork

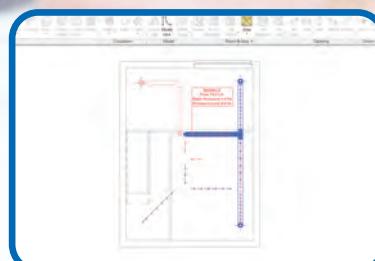
The ductwork specified for the scheme is calculated, sized and added to the drawing.



STEP 4

'Create' and check system integrity

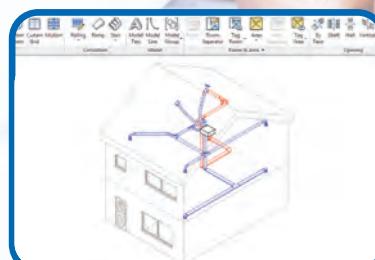
After the ductwork is sized and added, the 'inspector' auto checks the integrity of the scheme and 'creates' the scheme.



STEP 5

Accurate '3D' visualisation

On completion of the scheme, a 100% accurate 3D visualisation is created to aid installation.



STEP 6

Scheme issued for implementation

The scheme is issued for the customer with full 2D and 3D drawings and a full Bill Of Materials. The scheme is saved as a single database and can be shared over a LAN or WAN Network.



Revit® – market-leading CAD software for building design and construction

Revit® software* is specifically built for Building Information Modelling (BIM), empowering design and construction professionals to bring ideas from concept to construction with a co-ordinated and consistent model-based approach. Autodesk Revit® is a single application that includes features for architectural design, MEP and structural engineering and construction.



ENERGY
SAVINGAT THE LOW FAN
SPEED SETTING

AVX100WT

TIMER MODEL

ideal for installation with
the AVA290 or AVA291
internal wall fixing kit

*available in timer and
humidistat models*

features

- silent running: 16dB(A)
- complies with System 3 of Part F
- **TIMER MODEL** integrated timer: 30 secs-30 mins
- **HUMIDISTAT MODEL** 50-90% RH
- 2-speed motor selectable on installation
- low-energy motor: 6.3W/7.0w
- integral backdraft shutter
- wall, ceiling and panel mountable
- simple installation using Quick-Fit design
- 5 Year Exchange Warranty

BEAUTIFUL AESTHETICS — SETTING ITSELF APART

THE ADDVENT WHISPER SILENT FAN uses whisper air movement efficiency for almost silent running compared to conventional fans at just 16dB(A), and is designed for wall or panel mounted ventilation in bathrooms, wet rooms, and toilets. The **Whisper Silent** is beautifully styled, employing enhanced turning vane technology with integrated backdraft shutters and is highly efficient – consuming just 7W. Compliant with System 3 of Part F, and guaranteed for 5 years, with 21 litres per second performance.



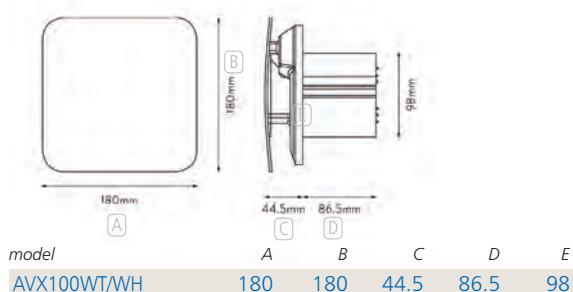
AVX100WH

HUMIDISTAT MODEL

the whisper-silent fan

AVX100WT	100mm whisper-silent fan with timer
AVX100WH	100mm whisper-silent fan with humidistat

dimensions



technical data

MAXIMUM AIRFLOW: HIGH SPEED: 21/l/s (75m³/hour); LOW SPEED: 15/l/s (54m³/hour); **SPECIFIC FAN POWER:** HIGH SPEED: 0.42W/l/s; LOW SPEED: 0.33W/l/s; **POWER CONSUMPTION:** HIGH SPEED: 7.0W, LOW SPEED: 6.3W; **MAXIMUM PRESSURE:** 20pa; **MOTOR:** Single Phase low energy; **FAN SPEED:** 2300rpm; **SOUND VOLUME@3M:** HIGH SPEED: 29dB(A); LOW SPEED: 16dB(A); **MAX OPERATING TEMP:** 40°C; **Mounting Height:** 1.8m MIN;

IP X4 ZONE U WARRANTY 5
EXCHANGE

ENERGY
SAVING

specific fan power

0.37

W/litres/sec

the **NEW** whisper-silent LED shower kit

the AVX100WLED comes as a kit including the fan, showerlight, LED driver a 3m length of flexible ducting an external wall grille and fixings



AVX100WLED

features

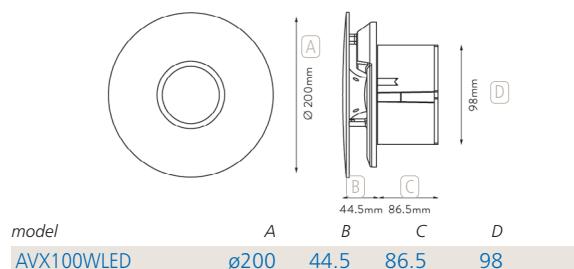
- complies with System 3 of Part F
- axial inline fan
- **SHOWER LIGHT** 3W LED warm white bulb
- SELV transformer for Zone 1 splash area installation
- adjustable timer: 30 secs to 30 mins
- 3m flexible ducting supplied
- white and chrome bezels supplied together with a white external grille

THE ADDVENT WHISPER SILENT LED SHOWER KIT is a low energy, high performance fan for installation over a shower. Featuring an adjustable overrun timer for flexible operation, and supplied with 3m of flexible ducting, a choice of bezels and a white external grille.

the whisper-silent LED shower kit

AVX100WLED 100mm whisper-silent LED shower light kit

dimensions



technical data

MAXIMUM AIRFLOW: HIGH SPEED: 21l/s (75m³/hour); LOW SPEED: 15l/s (54m³/hour); **SPECIFIC FAN POWER:** 0.37W/l/s; **POWER CONSUMPTION:** 7.7W; **MAXIMUM PRESSURE:** 20pa; **MOTOR:** Single Phase low energy; **FAN SPEED:** 2300rpm; **SOUND VOLUME@3M:** HIGH SPEED: 34dB(A); **MAX OPERATING TEMP:** 40°C;

IP X4 ZONE 1 WARRANTY 5

ENERGY
SAVING

specific fan power

0.37

W/litres/sec

AVX100WIDT

TIMER



features

- complies with System 3 of Part F
- axial in-duct fan
- adjustable timer: 30 secs to 30 mins
- 3m flexible ducting supplied
- supplied with a white external grille

THE ADDVENT AVX100WIDT WHISPER SILENT FAN is a low energy, high performance fan for in-duct mounting only. It offers the same performance as the AVX100WLED Shower fan kit for installation in bathrooms, toilets and shower rooms, and supplied with 3m of flexible ducting and a white external grille.

the whisper-silent in-duct fan kit

AVX100IDWT 100mm whisper-silent in-duct fan with timer

dimensions

model	A	B	C	D
AVX100WLED	178.1	35.7	86.5	98

technical data

MAXIMUM AIRFLOW: HIGH SPEED: 21l/s (75m³/hour); LOW SPEED: 15l/s (54m³/hour); **SPECIFIC FAN POWER:** 0.37W/l/s; **POWER CONSUMPTION:** 7.7W; **MAXIMUM PRESSURE:** 20pa; **MOTOR:** Single Phase low energy; **FAN SPEED:** 2300rpm; **SOUND VOLUME@3M:** HIGH SPEED: 34dB(A); **MAX OPERATING TEMP:** 40°C;

IP X4 ZONE 5
WARRANTY 5
EXCHANGE



INDUSTRY STANDARD FANS FOR EVERY REQUIREMENT

ENHANCE RANGE	10-13	MIXED-FLOW RANGE	24-25
WHISPER-QUIET RANGE	14	SHOWERLIGHT RANGE	26-27
LOW-WATT RANGE	15	IN-DUCT RANGE	28
100 LOW ENERGY RANGE	16	120 RANGE	29
LOW-WATTAGE/VOLTAGE RANGE	17	150 RANGE	30
100 RANGE	18-19	DUCTED CENTRIFUGAL RANGE	31
LOW-VOLTAGE RANGE	20	CENTRIFUGAL RANGE	32
DESIGNER COLLECTION	21-23	WHOLEHOUSE RANGE	33-39
FLUSHFIT RANGE	21	CONTROLLER RANGE	40
AURA RANGE	22		
ELEGANCE RANGE	23		

ENERGY
SAVINGJUST
16
dB(A)AT THE LOW FAN
SPEED SETTING

specific fan power

0.33

W/litres/sec



WITH ENHANCED TURNING VANE TECHNOLOGY

THE ENHANCE ULTRA-QUIET FAN is quieter than conventional fans at just 16dB(A) at the low speed setting, and is designed for wall or panel mounted ventilation in bathrooms, wet rooms, and toilets. The **Enhance Ultra-Quiet** is discreetly styled, employing enhanced turning vane technology with integrated backdraft shutters and is highly efficient – consuming just 7W. Compliant with System 3 of Part F, and guaranteed for 5 years, the Enhance Ultra-Quiet blends into any environment without compromising on its' 21 litres per second performance.

the enhance ultra quiet fan

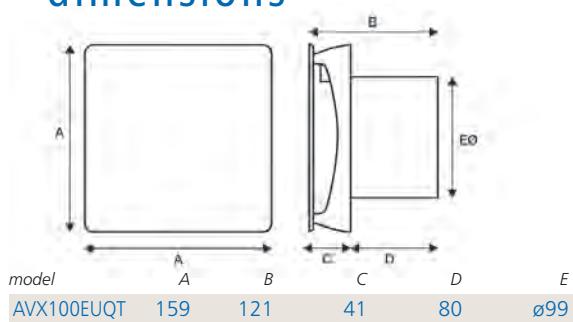
AVX100EUQT 100mm Enhance Ultra-Quiet fan

enhance

technical data

MAXIMUM AIRFLOW: HIGH SPEED: 21l/s (75m³/hour); LOW SPEED: 15l/s (54m³/hour);
POWER CONSUMPTION: HIGH SPEED: 7.0W, LOW SPEED: 4.0W; **MAXIMUM PRESSURE:** 20pa; **MOTOR:** Single Phase low energy;
FAN SPEED: 2300rpm; **SOUND VOLUME@3M:** HIGH SPEED: 29dB(A); LOW SPEED: 16dB(A); **MAX OPERATING TEMP:** 40°C;
MOUNTING HEIGHT: 1.8m MIN;

dimensions



IP 24 ZONE U **WARRANTY 5**
EXCHANGE



ENERGY SAVING

THAN CONVENTIONAL
BATHROOM FANS

AVX100EQT



the enhance quiet fan

features

- Complies with Part L & Part F
- whisper-quiet: 27dB(A)
- integrated timer: 5-20 mins
- Low-energy motor: 7.0w
- integral backdraft shutter
- wall, or panel mountable
- 5 year exchange warranty

specific fan power

0.33

W/litres/sec

WITH ENHANCED TURNING VANE TECHNOLOGY

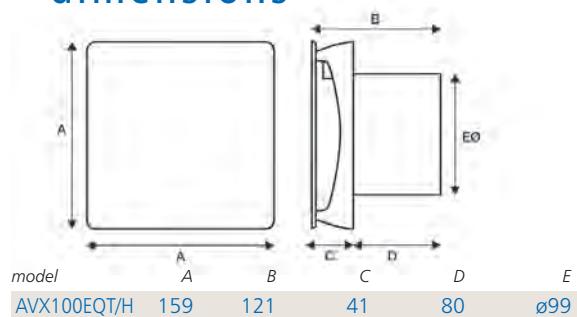
THE ENHANCE QUIET FAN is 60% quieter than conventional fans at just 27dB(A), and is designed for wall or panel mounted ventilation in bathrooms, wet rooms, and toilets. The **Enhance Quiet** is discreetly styled, employing enhanced turning vane technology with integrated backdraft shutters and is highly efficient – consuming just 7.0W – and costing around a £1 a year to run. Compliant with System 3 of Part F, and guaranteed for 5 years, the Enhance Quiet blends with any decoration without compromising on its' 21 litres per second performance.

the enhance quiet range

AVX100EQT Enhance Quiet fan

AVX100EQT/H Enhance Quiet fan – humidistat model

dimensions



enhance

technical data

MAXIMUM AIRFLOW: 21l/s (75m³/hour); POWER CONSUMPTION: 7.0W;
 MAXIMUM PRESSURE: 20pa; MOTOR: Single Phase low energy; FAN SPEED: 2300rpm;
 SOUND VOLUME@3M: 27dB(A); MAX OPERATING TEMP: 40°C; MOUNTING HEIGHT: 1.8m MIN;

IP 24 ZONE U WARRANTY 5
EXCHANGE



**ENERGY
SAVING**



specific fan power

NOW: **0.33**
W/litres/sec

TRICKLE: **8 LITRES/SEC**

BOOST 1: **13 LITRES/SEC**

BOOST 2: **23.5 LITRES/SEC**

features

- designed to run continuously with boost function to comply with Part F
- for wall or ceiling mounting and in a ducted installation
- 98mm spigot for speedy installation
- adjustable rear or side exit spigot

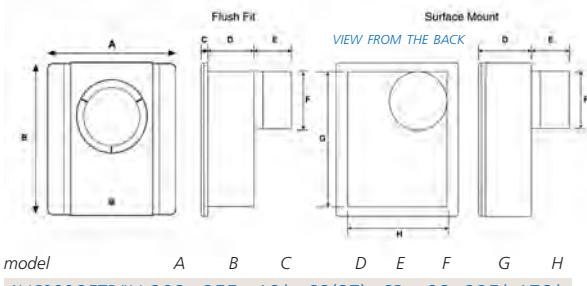
THE ENHANCE FAN is designed for continuous ventilation in ducted installations for bathrooms, kitchens, utility rooms or toilets, and runs at trickle speed with two optional boost speeds. Due to the unique design of the motor and impeller assembly, the **Enhance** can be surface or flush mounted, and the rear spigot can be mounted in 2 positions (only when flush mounted) allowing for rear exit or connecting to a vertical ducting system.

the enhance range

AVC090QETB Enhance Trickle Boost Quiet Fan – Humidistat/timer model

AVC090QETBLV Enhance Low voltage Trickle Boost Quiet Fan – Humidistat/timer model.

dimensions



SURFACE MOUNT IN BRACKETS WHERE DIFFERENT OR N/A*. SURFACE MOUNT DRAWING ABOVE IS VIEW FROM THE BACK.

technical data

MAXIMUM AIRFLOW: TRICKLE: 8l/s; BOOST 1: 13l/s; BOOST 2: 23.5l/s; **MAXIMUM PRESSURE:** 75.5pa; **MOTOR:** Brushless 12V DC; **POWER CONSUMPTION:** TRICKLE: 1.50W; BOOST 1: 2.45W; BOOST 2: 7.75W; **FAN SPEED:** 2324rpm; **SOUND VOLUME@3M:** TRICKLE: 24.5dB(A), BOOST 1: 28.5dB(A), BOOST 2: 36.5dB(A); **MAX OPERATING TEMP:** 40°C;

IP 24 ZONE U WARRANTY 5
EXCHANGE

ENERGY
SAVING

the quietest fan in
the Addvent range...

JUST
15dB(A)

features

- designed to run continuously with boost function – complies with System 3 of Building Regulations Approved Document F
- quietest Addvent fan – only 15dB(A)
- highly efficient – consumes just 3.5W
- suitable for bathrooms, toilets and wet rooms

AVX100QETB

specific fan power

TRICKLE: **0.43**

W/litres/sec

BOOST: **0.36**

W/litres/sec

TRICKLE:

8 LITRES/SEC

BOOST:

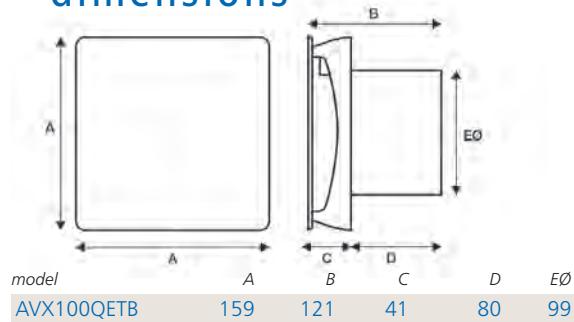
15 LITRES/SEC

THE ENHANCE AXIAL is the quietest fan in the Addvent range at 15dB(A) in Trickle mode, and is designed for continuous ventilation in bathrooms, wet rooms, toilets, kitchens or utility rooms. The **Enhance Axial** is highly efficient, consuming just 3.5W at trickle speed, with a boost speed option providing almost double the air flow and a timer for operational convenience. Compliant with System 3 of Part F, and discreetly styled to blend with any decoration.

the enhance axial range

AVX100QETB Enhance Axial Trickle Boost Quiet Fan – timer model

dimensions



enhance

technical data

MAXIMUM AIRFLOW: TRICKLE: 8l/s; BOOST: 15l/s; POWER CONSUMPTION: TRICKLE: 3.50W; BOOST: 5.50W;
MAXIMUM PRESSURE: 14.5pa; MOTOR: Single Phase low energy; SOUND VOLUME@3M: TRICKLE: 15dB(A), BOOST: 25dB(A);
MAX OPERATING TEMP: 40°C;

IP X4 ZONE U WARRANTY 5
EXCHANGE



MORE
EFFICIENT

THAN CONVENTIONAL
BATHROOM FANS



QUIETER

THAN CONVENTIONAL
BATHROOM FANS



ENERGY
SAVING



specific fan power
NOW: **0.24**
W/litres/sec

key data: AVX100Q range

Airflow m³/hour	75	Power Watts	4.8
litres/sec	21	Noise dB(A)	27

the quiet low-noise range

- AVX100QS Quiet low-noise standard model.
- AVX100QP Quiet low-noise pull-cord model.
- AVX100QT Quiet low-noise model with integrated adjustable timer: 1-20 mins.
- AVX100QH Quiet low-noise humidistat model with integrated adjustable timer: 1-20 mins and adjustable humidity: 20-95%.

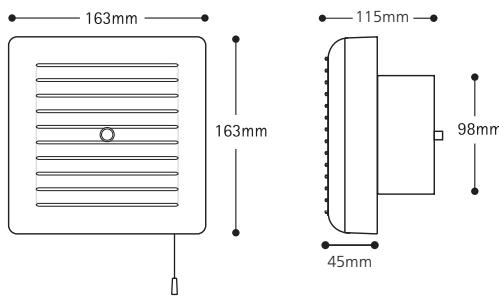
accessories

- AVA001 AVX100 Chrome Cover.
 - AVA002 AVX100 Gold Cover.
 - AVA010 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).
 - 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 49-56 for the full range of accessories.

features

- low energy high-efficiency long life motor
- unique enhanced turning vane technology
- integral backdraft shutter
- compatible with low energy lighting
- thermal overload protection
- complies with Part L & F
- for wall or ceiling mounting

dimensions

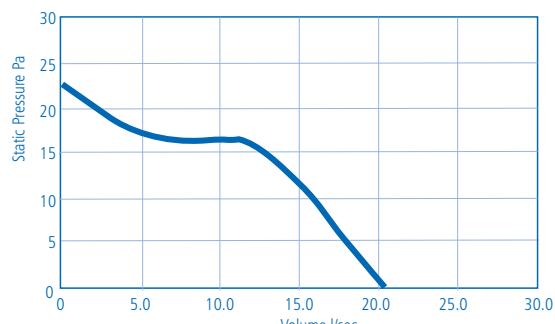


Wall hole size: 112mmØ

performance

	airflow m³/hour	airflow litres/sec	noise level/ dB(A)@ 2m	power W
AVX100Q range	75	21	27	4.8

performance for the low-noise range



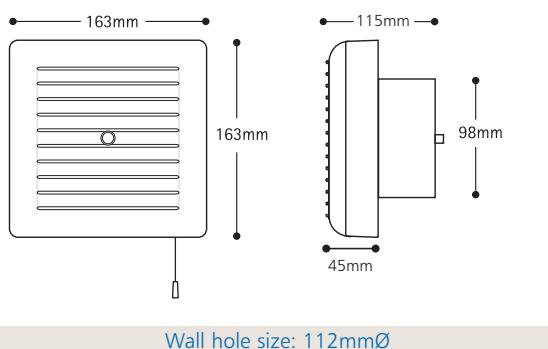
technical data

APPROVAL: BEAB; **RATING:** output: 220-240V AC ~50Hz 4.8W; input: 220/240 V ~50Hz; IP44; ; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** 230V AC induction motor with pre-oiled bearings, 50 Hz. With thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C.

features

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

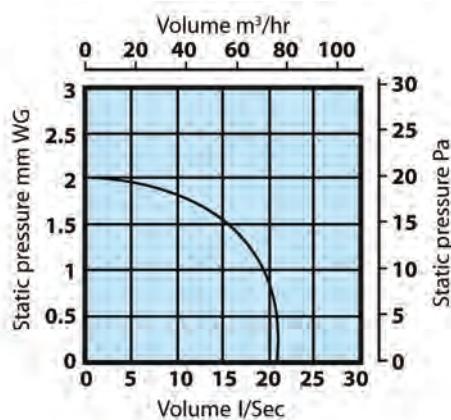
dimensions



performance

	airflow m³/hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100LW range	75	21	38	4.3

performance for the low-watt range



technical data

APPROVAL: BEAB; **RATING:** output: 220-240V AC ~50Hz 4.3W; input: 220/240 V ~50Hz; IPX4; ; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** 230V brushless motor, 50 Hz. With thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 45°C. **CE**

(AVX100LWS)



specific fan power

NOW: **0.20**
W/litres/sec

key data: AVX100LW range

Airflow m³/hour	75	Power Watts	4.3
litres/sec	21	Noise dB(A)	38



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%.

accessories

- AVA001*** AVX100 Chrome Cover.
 - AVA002*** AVX100 Gold Cover.
 - AVA010** 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).
 - 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 49-56 for the full range of accessories.

* NOT FOR USE WITH HUMIDISTAT OR PIR MODELS

THE | 100 LOW ENERGY| RANGE

DESIGNED TO COMPLY WITH PART L & F

AVX100SLF



specific fan power
NOW: 0.42
W/litres/sec

key data: AVX100LF range

Airflow m³/hour	92	Power Watts	10.77
litres/sec	25.5	Noise dB(A)	41

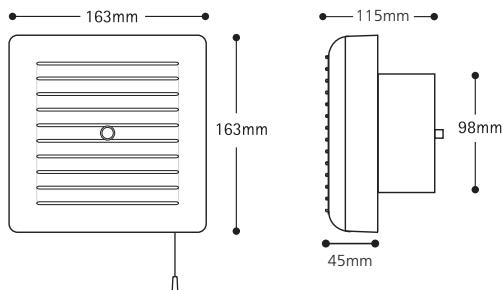


ENERGY
SAVING

features

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

dimensions



Wall hole size: 112mmØ

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

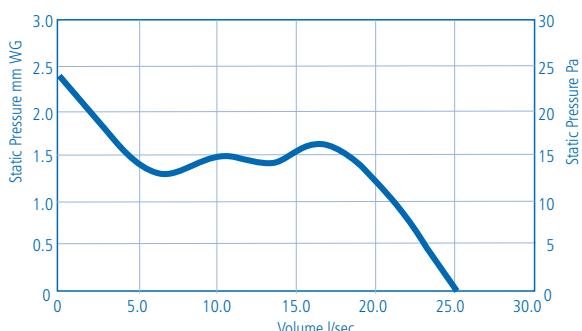
- AVA001*** AVX100 Chrome Cover.
AVA002* AVX100 Gold Cover.
AVA010 50-110mm Worm Drive Clamps.
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AVA120 100mm PVC Ducting 3m.
AVA150 100mm Fixed External Grille (Grey).
AVA440 100mm Condensation Trap.
SYSTEM 54 110 x 54 Flat channel ducting, fittings and accessories.
SYSTEM 60 204 x 60 Flat channel ducting, fittings and accessories.
See pages 49-56 for the full range of accessories.

* NOT FOR USE WITH HUMIDISTAT OR PIR MODELS

performance

	airflow m³/hour	airflow litres/sec	pressure pa (max)	noise level dB(A)@ 2m	power W
AVX100LF models	92	25.5	20	41	10.77

performance for avx100 low energy range



technical data

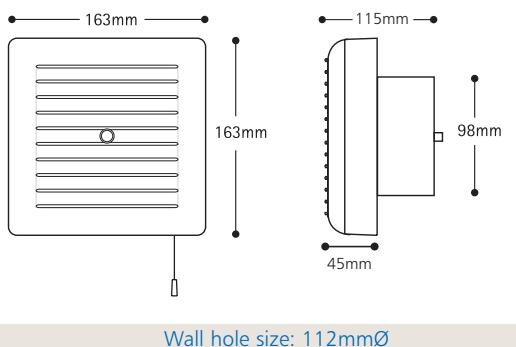
APPROVAL: BEAB; **RATING:** 220-240V ~50Hz~AC 10.77W; IP24 (Pull cord only), IP44; **FAN SPEED:** 2400rpm; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** Single-phase induction motor with pre-oiled bearings; All with thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C. **CE**

IP 24 **IP 44** **ZONE U** **WARRANTY 5**
PULL CORD ONLY EXCHANGE

features

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

dimensions



AVX100QLVLW



specific fan power

NOW: **0.20**
W/litres/sec

key data: AVX100LF range

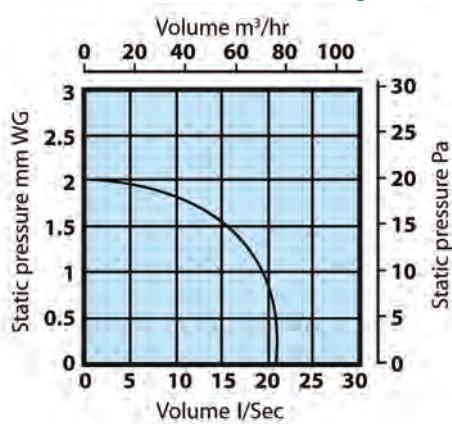
Airflow m³/hour	75	Power Watts	4.3
litres/sec	21	Noise dB(A)	38



performance

	airflow m³/hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100QLVLW range	75	21	38	4.3

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 brushless motor, 50 Hz. With thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 45°C.

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



accessories

- AVA001* AVX100 Chrome Cover.
- AVA002* AVX100 Gold Cover.
- AVA010 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).
- 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 49-56 for the full range of accessories.

* NOT FOR USE WITH HUMIDISTAT OR PIR MODELS

features

- wall, ceiling or window mounting
- quiet in operation
- 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** 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 – standard fans only.
 - AVA361** Remote Humidistat – standard fans only.
 - AVA362** Remote PIR – standard fans only.
 - 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 49-56 for the full range of accessories.

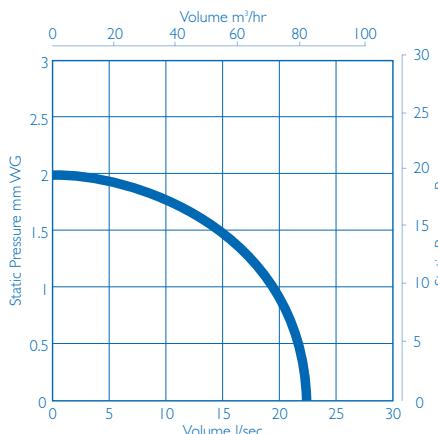
* NOT FOR USE WITH HUMIDISTAT OR PIR MODELS



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")

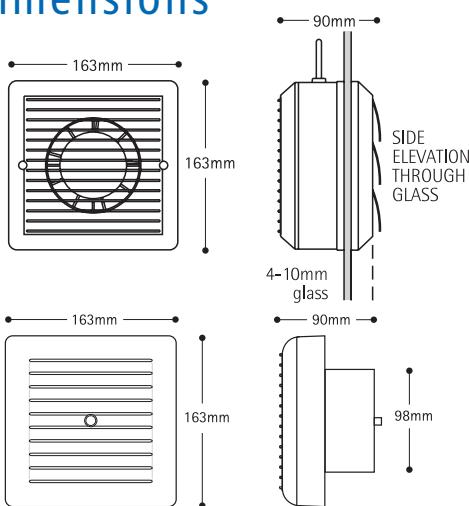


technical data

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



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 WP/N/ WPAN). Window fan AVX100WP/N 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.

key data: AVX100 range

Airflow m³/hour litres/sec	85 23	Power Watts	20
		Noise dB(A)	41

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.
- AVX100TH** Internal humidistat model; RH: 20-95% and timer: 1-20 mins.
- AVX100HTAN** Auto shutter version of above.
- AVX100WP/N** 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
- AVX100HPLVSK** Low-voltage humidity pull cord kit with Standard transformer.

See page 21 for the Flush-Fit range.

See page 21-23 for the Designer Collection.



key data: AVC110LV

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

the low-voltage range

AVX100HPLVSK Low-voltage standard transformer kit.

AVX100LVN 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 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 – standard fans only.

AVA361 Remote Humidistat – standard fans only.

AVA362 Remote PIR – standard fans only.

AVA440 100mm Condensation Trap.

SYSTEM 54 110 x 54 Flat channel ducting, fitting and accessories.

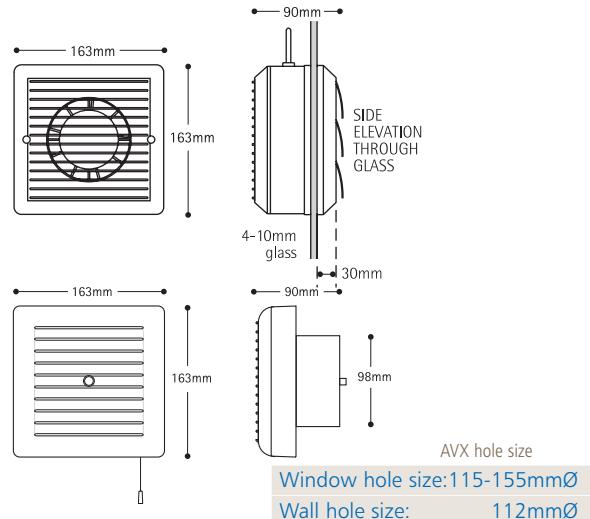
SYSTEM 60 204 x 60 Flat channel ducting, fitting and accessories.

See pages 49-56 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

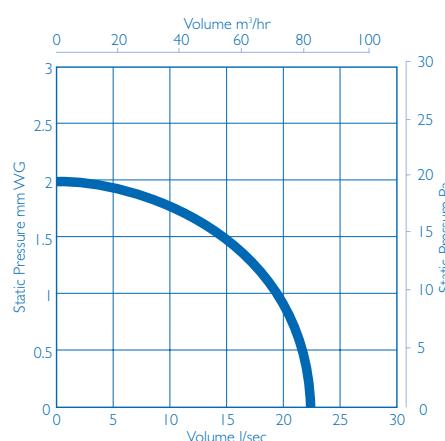


performance

	airflow m³/hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVX100 Low-voltage	85	23	41	20
AVC110 Low-voltage	110	31	45	25

performance for the AVX 100 low-voltage model

See page 27 for AVC110 model performance



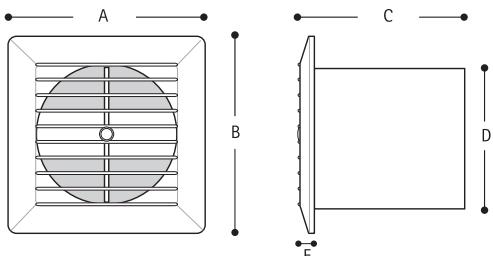
technical data

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.

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

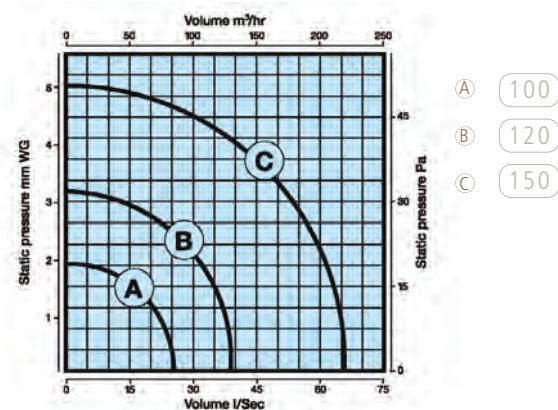


model	A	B	C	DØ	E	hole sizeØ
AVX100FF	140	140	115	100	12	112
AVX120FF	160	160	122	120	12	140
AVX150FF	190	190	122	150	12	173

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.



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** 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** 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** 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 – standard fans only.
- AVA361** Remote Humidistat – standard fans only.
- AVA362** Remote PIR – standard fans only.

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 49-56 for the full range of accessories.

the designer collection



Aura

key data: AVX150AS

Airflow m³/hour litres/sec	258 71	Power Watts	23
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.

accessories

100mm Range

- AVA010 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 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.

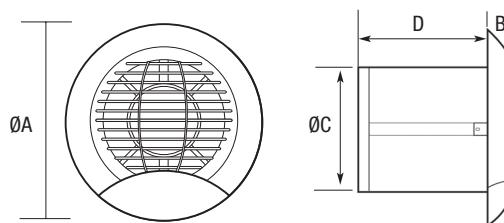
For all products

- SYSTEM 54 110 x 54 Flat channel ducting, fitting and accessories.
 - SYSTEM 60 204 x 60 Flat channel ducting, fitting and accessories.
- See pages 49-56 for the full range of accessories.

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

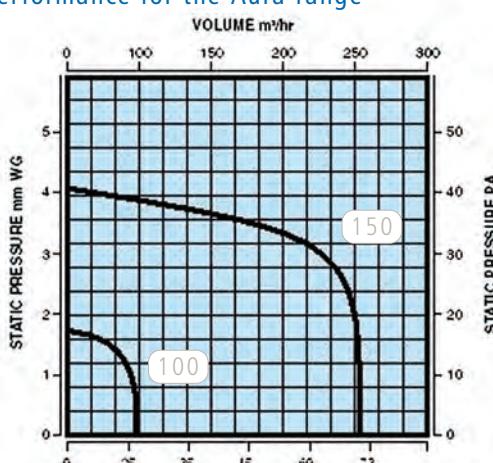


model	AØ	B	CØ	D	hole size
AVX100	157	19	98	107	Ø112
AVX150	201	19	144	123	Ø173

performance

	airflow m³/hour 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; **IP:** IP44; **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. **CE**

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)

the designer collection



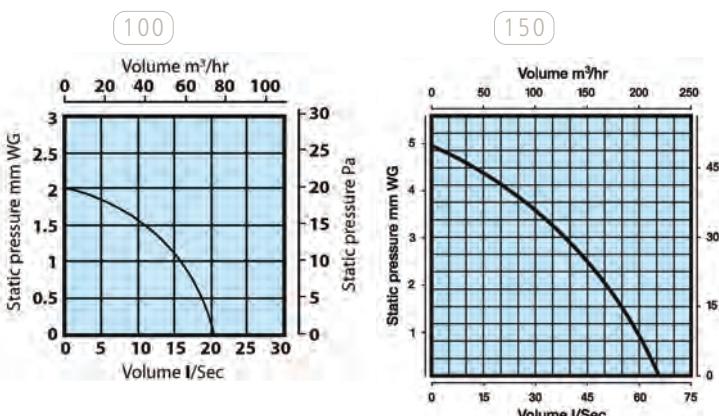
dimensions

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

performance

	airflow m³/hour	airflow 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.

ELEGANCE

key data: AVX150E

Airflow m³/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.

accessories

100mm Range

- AVA010** 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** 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.

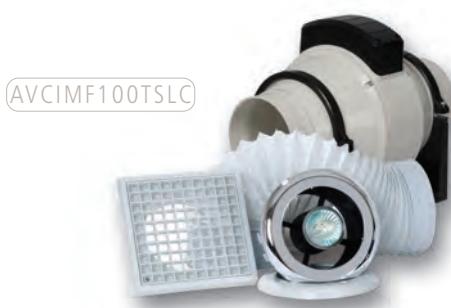
SYSTEM 60 204 x 60 Flat channel ducting, fitting and accessories.

See pages 49-56 for the full range of accessories.

features

- timer kit model
- Part L & F compliant with low SFP
- standard and timer low energy models
- 3 fan-speed settings
- high air flows through flexible or rigid ducting
- uniquely designed construction allows easy installation and maintenance
- double insulation – no earth required

a comprehensive range of accessories is available for the Mixed Flow fans



accessories

For 100mm

- AVA010** 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).
- AVA440** 100mm Condensation Trap.

For 120mm

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

For 150mm

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

For 200mm

- AVA012** 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 AVCIMF/T timer models).
- AVA361** Remote Humidistat (not for use with AVCIMF/T timer models).
- AVA362** Remote PIR (not for use with AVCIMF/T timer models).

For all non-timer models

- AVIC1N** 1.7-amp Variable Speed Controller.
See pages 49-56 for the full range of accessories.

AVCIMF100TK

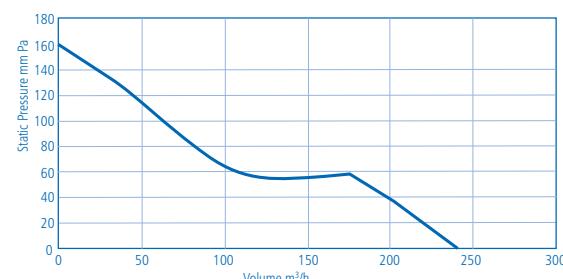


the mixed flow fan is available as a kit – AVCIMF100TK – ready to install complete with 10m of flexible ducting and internal/external grilles

performance

	fan speed rpm	airflow m³/hour	noise level dB(A)@ 3m	power W	weight kg
AVCIMF100SLC	hi 2400	245	23	25	2.1
	med 2100	216	22	23	
	low 1700	180	20	20	
AVCIMF100N/T	hi 2400	245	23	25	2.1
	med 2100	216	22	23	
	low 1700	180	20	20	
AVCIMF125N/T	hi 2400	310	25	33	2.1
	med 2100	290	23	31	
	low 1700	240	21	28	
AVCIMF150N/T	hi 2400	500	35	48	3.2
	med 2100	460	33	46	
	low 1870	400	31	42	
AVCIMF200	hi 2750	855	48	120	4.5
	med 2700	738	48	113	
	low 2000	648	48	110	

performance for Mixed Flow range



FOR HIGHER WORKING PRESSURES

THE | **MIXED FLOW** | RANGE 25

specific fan power
AVCIMF100 fans
NOW: 0.35
Low Speed
High Speed **0.34**
W/litres/sec



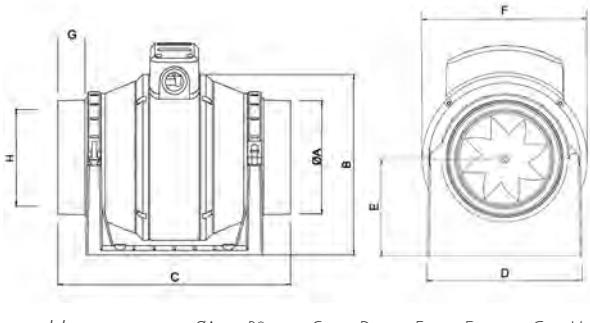
ENERGY
SAVING

key data: AVCIMF200

Airflow m³/hour	855	Power Watts	120
litres/sec	237	Noise dB(A)	84

AVCIMF100N

dimensions



model	ØA	B*	C	D	E	F	G	H
AVCIMF100N/TSLC102	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

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.
AVCIMF100TSLC	100mm Shower light mixed flow fan with adjustable timer and 10m flexible ducting.



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.

All models – with or without timer – have a Specific Fan Power that makes them Energy Saving products.

AVX100LEDSL/C

WARM WHITE

AVX100LEDCW

COOL WHITE

AVX150IDTSLC

75
%
**MORE
EFFICIENT**

THAN CONVENTIONAL
BATHROOM FANS



AVC110IDTSLC/B

AVX100IDTSLCN/SLB

AVCIMF100TSLC

key data: AVXLED range

Airflow m ³ /hour	86	Power Watts	10.4
litres/sec	24	Noise dB(A)	41

AVX100LEDSL/C



the AVX100LEDSL/C and AVX100LEDCW showerlights comes as a kit including the fan, showerlight, LED driver a 1.5m length of flexible ducting an external wallgrille and fixings

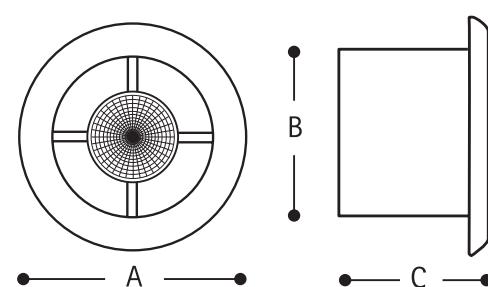
installation

The AVX100IDTSLCN/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 AVCIMF100TSLC offers high performance over longer duct lengths, and is supplied with a 10m length of 100mm ducting.

dimensions



model	A	B	C	hole size
AVX100	140	98	74	102
AVX100LEDSL/CW	140	98	74	102
AVCIMF100TSLC	140	98	74	102
AVX150IDT	195	144	74	154
AVC110IDTSLC/B	140	98	74	102

see page 27 for AVC110 dimension diagram

features

■ 3W LED showerlight

Part L & F compliant
for use in Zone 1 – splash area
backdraught shutter
adjustable overrun timer: 1-20 mins
warm white lamp

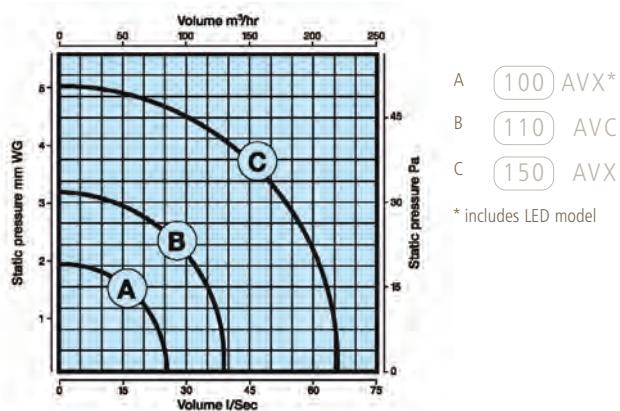
■ AVCIMF100TSLC mixed flow showerlight

- distinctive light in a circular diffuser for ventilation and illumination
- LED, 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

performance

	m³/hour	airflow litres/sec	noise level dBA)@ 2m	power W
AVX100IDT/SLLF	85/86	23/24	41/41	20/10.4
AVX100LEDSL/CW	86	24	41	10.4
AVX150IDT/SLLF	230/227	64/63	40/40	25/20.2
AVC110IDT	110	31	45	20
AVCIMF100TSLC	245	68	24@3m	25

performance for showerlight range



technical data

LIGHT RATING/OUTPUT: 12V AC ~50Hz; **INPUT:** 220/240 V ~50Hz, IP24;
 MAXIMUM PRESSURE: AVX100: 20pa, AVC110: 120pa, AVX150: 50pa; **FAN SPEED:** 2400rpm, AVC 1400rpm; **TIMER:** adjustable 1-20 mins; **CONSTRUCTION:** moulded high temperature VO rated thermoplastic; **BULB:** GU5.3 35W Dichroic; **MOTOR:** Single phased induction motor with pre-oiled bearings. Thermal overload protection; **MAX OPERATING TEMP:** 40°C. **CE**
ADDITIONAL TECHNICAL DATA AVX100LEDSL: APPROVAL: BEAB approved; INPUT: 220/240 V ~50Hz; OUTPUT: 12V DC 3W GU5.3 sealed lamp powered by LED driver, IP24; **FAN SPEED:** 2400rpm; **MAX PRESSURE:** 20pa.



specific fan power
 NOW:
 100 model 0.43
 150 model 0.31
 litres/sec

key data: AVCIMF100TSLC

Airflow m³/hour	254	Power Watts	25
litres/sec	70	Noise dBA)	24

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

AVX100LEDSL

Timer LED-powered model – Warm White.

AVX100LEDCW

Timer LED-powered model – Cool White.

AVC110IDTSLB

Centrifugal In-Duct in brass with adjustable timer.

AVC110IDTSLC

Centrifugal In-Duct in Chrome with adjustable timer.

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.



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 49-56 for the full range of accessories.

20

THE | IN-DUCT | RANGE

FOR BATHROOMS, TOILETS AND SHOWER ROOMS

specific fan power

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



key data: AVX150IDFT

Airflow m³/hour litres/sec	230	Power Watts	25
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.
- AVC110IDSK** 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.
- AVC110IDTK** 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.
- AVX150IDFTR** 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.

accessories

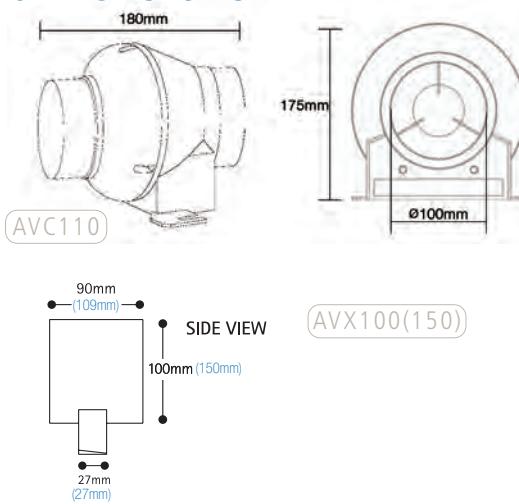
- AVA212C** 100mm Chrome Bezel.
AVA212B 100mm Brass Bezel.
AVA213C 150mm Chrome Bezel.
AVA213B 150mm Brass Bezel.
AVA440 100mm Condensation Trap.

See pages 49-56 for the full range of accessories.

features

- Part L & 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

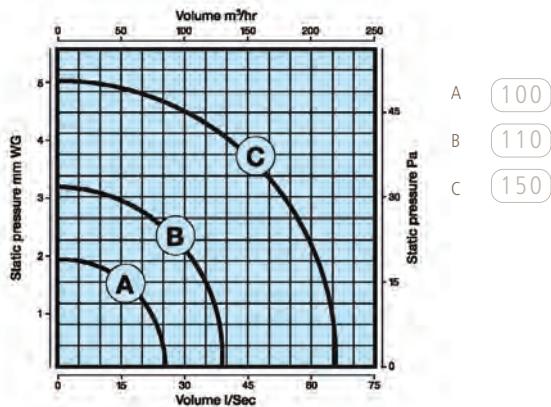
dimensions



performance

	airflow m³/hour 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 20
AVX150IDFT/LF	230	64/63	50	40 25/20.2

performance for In-duct range (excluding LF)



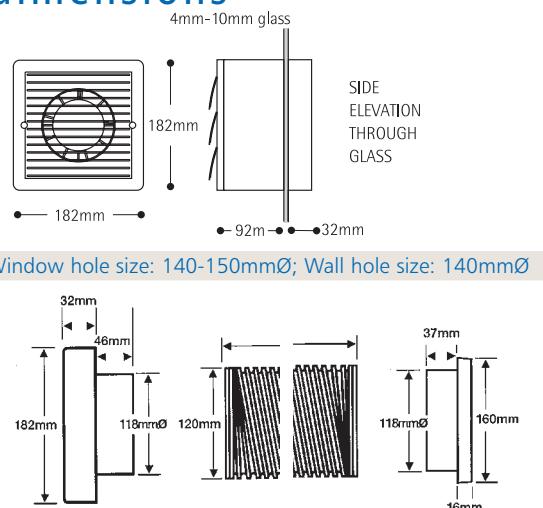
technical data

RATING: 220-240V ~AC, IP24; **FAN SPEED:** AVX 2400rpm; AVC110 1400rpm; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** single phase induction motor with pre-oiled bearings. Thermal overload protection; **MAXIMUM OPERATING TEMP:** 40°C. **CE**

features

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

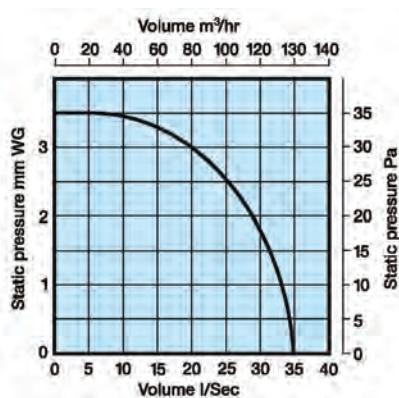
dimensions



performance

AVX120 models	airflow m ³ /hour	airflow 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.



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.
- 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.
- AVX120WPAN** 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 – standard fans only.
- AVA361** Remote Humidistat – standard fans only.
- AVA362** Remote PIR – standard fans only.
- SYSTEM 60** 204 x 60 Flat channel ducting, fitting and accessories.
See pages 49-56 for the full range of accessories.

AVX150S

AVX150LF



specific fan power

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

key data: AVX150 range

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

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

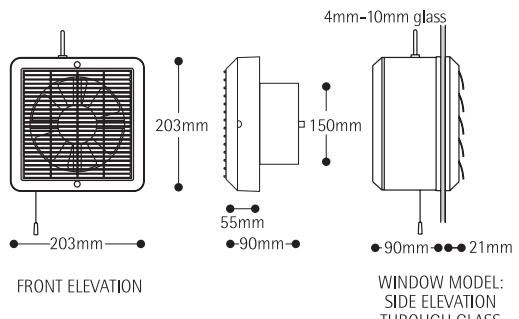
AVA011	60-165mm Worm Drive Clamps.
AVA070	150mm x 10m Flexible Aluminium duct.
AVA190	150mm Fixed Grille (Grey).
AVA200	150mm Gravity Grille (Grey)*.
AVA268	150mm Window Kit*.
AVA280	150mm Through Wall Vent Kit (gravity/grille)*.
AVA300	150mm Rigid Aluminium Duct 400mm.
AVA351	Remote Timer – standard fans only.
AVA361	Remote Humidistat – standard fans only.
AVA362	Remote PIR – standard fans only.
	See pages 49-56 for the full range of accessories.

* Not suitable for Part L & F fans.

features

- AVX150LF fans are Part L & F compliant
- 69 litres/sec (248m³/hr)
- quiet in operation
- wall, ceiling* and window* mounting models

dimensions



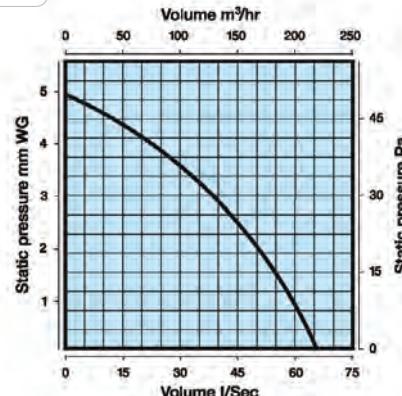
Window hole size:184mmØ; Wall hole size: 173mmØ

performance

	airflow m³/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



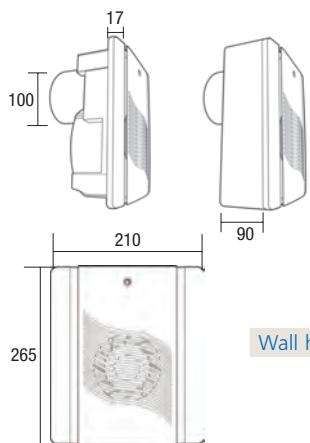
technical data

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

features

- Part L & 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

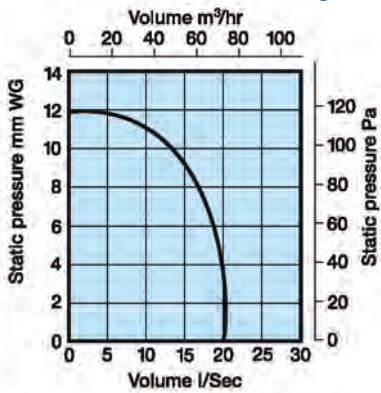
dimensions



performance

	m³/hour	airflow litres/sec	noise level dB(A)@ 2m	power W
AVC075	85	23	36	20
AVC075LF	94	26	36	12.4

performance for ducted centrifugal range (excluding LF)



technical data

RATING: 220-240V ~AC 50Hz; IP24 Pull Cord only, IP44;
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.

specific fan power

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



key data: AVC075

Airflow m³/hour litres/sec	85 23	Power Watts dB(A)	20 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** 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).
 - AVA351** Remote Timer – standard fans only.
 - AVA361** Remote Humidistat – standard fans only.
 - AVA362** Remote PIR – standard fans only.
 - 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 49-56 for the full range of accessories.



key data: AVC110

Airflow m³/hour	110	Power Watts	25
litres/sec	31	Noise dB(A)	45

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.

accessories

AVA010	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 – standard fans only.
AVA361	Remote Humidistat – standard fans only.
AVA362	Remote PIR – standard fans only.
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.

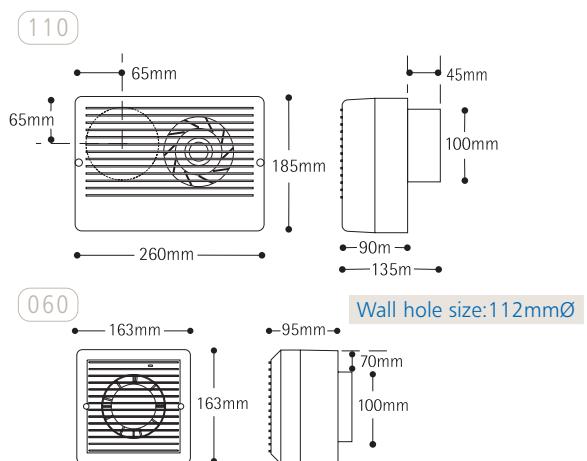
For Low-voltage Only

LRT12T	Large Timer transformer.
LRT12H	Large Humidistat transformer.
See pages 49-56 for the full range of accessories.	

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

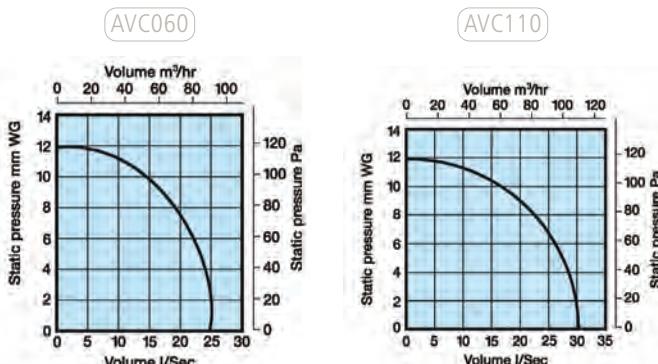
dimensions



performance

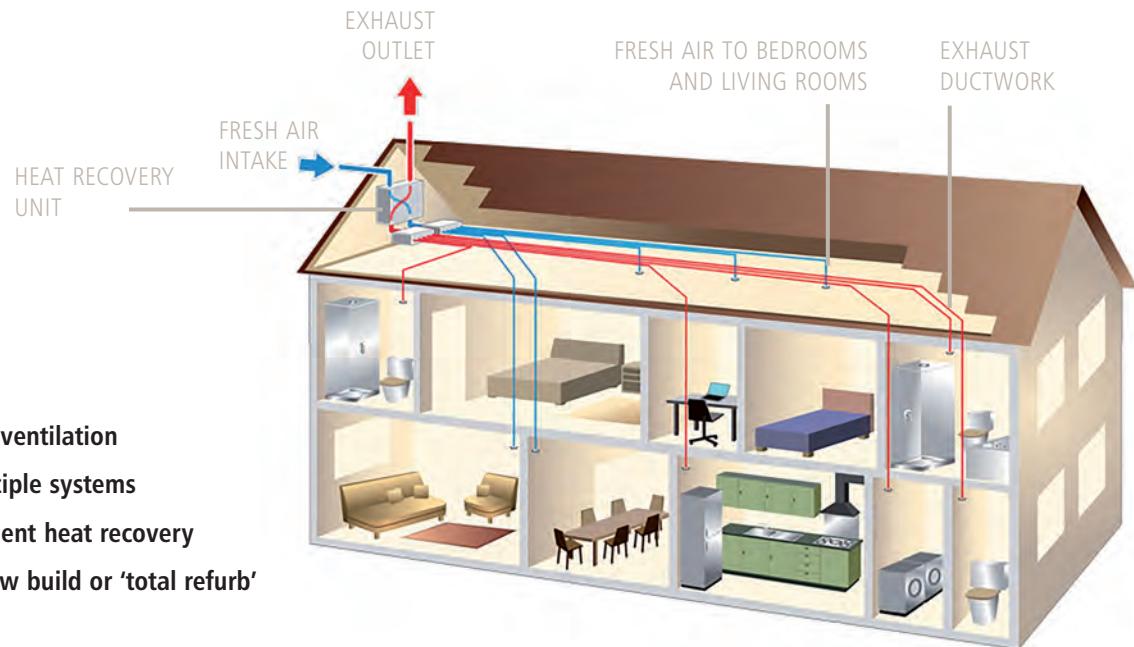
	airflow m³/hour	airflow litres/sec	max pa	noise level dB(A)@ 2m	power W
AVC060	90	25	120	42	25
AVC110	110	31	120	45	25
AVC110LV	110	31	120	45	25

performance centrifugal range



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.



features

- continuous 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. 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.

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 Energy Saving, low-consumption, DC and EC models 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.

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 Energy Saving, low-consumption, DC and EC models for cost-efficient energy usage.

THE | SINGLE ROOM WITH HEAT RECOVERY | RANGE



AVHRU2T

for installation in a loft space

AVHRU2T single room ventilation with heat recovery

Our AVHRU2T is a high efficiency mechanical ventilation unit for continuous extraction ideal for single-room installations such as hotels, student accommodation or residential care homes. Featuring top access, this unit is intended for installation in a loft space.

The unit comes as standard with a 2-speed control motor to provide continuous low-speed ventilation with a boost option, but may be operated by a range of controllers.

features

- up to 70% heat recovery
- low power consumption
- extremely quiet in operation
- eliminates mould growth
- controls condensation and odours
- designed for single rooms
- ideal for hotel rooms, residential care homes
- for installation in a loft space



controllers

AVA364 Ambient Response Humidistat.

AVA365 PIR Controller.

accessories

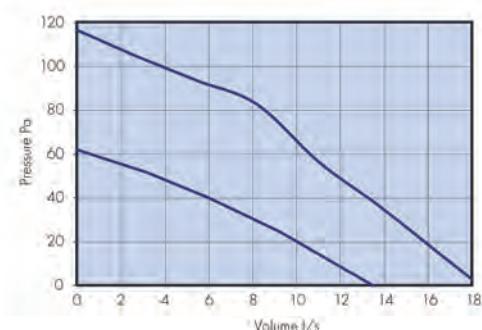
SYSTEM 54 110 x 54 Flat channel ducting, fitting and accessories.

SYSTEM 60 204 x 60 Flat channel ducting, fitting and accessories.

See pages 49-56 for the full range of accessories.

performance

	max ventilation rate supply	m³/hour extract	noise level dB(A)@ 3m min/max	power W min/max
MOTOR SPEED 1 TRICKLE	30	41	20	19/29
MOTOR SPEED 2 BOOST	70	70	30	



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 (2-speed); **FAN:** centrifugal forward curve type on a common shaft; **SPIGOTS:** 100mmØ tapered; **FILTER:** optional pollen filters available; **CONDENSER DRAIN:** 2 x 22mmØ; **CONSTRUCTION:** white powdered-coated sheet metal; **DIMENSIONS:** 160h x 240w x 305d; **WEIGHT:** 5.6kg.

WARRANTY 5

features

- up to 70% heat recovery
- low power consumption
- extremely quiet in operation
- eliminates mould growth
- controls condensation and odours
- designed for single rooms
- ideal for hotel rooms, residential care homes
- for ceiling void installation only

AVHRU2B



for ceiling void installation only

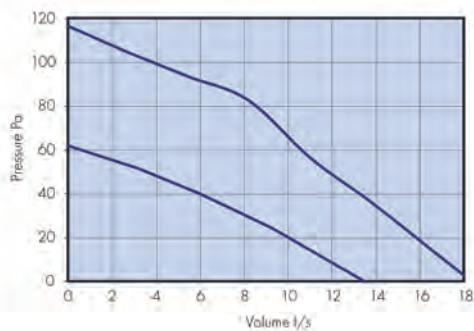
AVHRU2B single room ventilation with heat recovery

Our AVHRU2B is a high efficiency mechanical ventilation unit for continuous extraction ideal for single-room installations such as hotels, student accommodation or residential care homes. Featuring bottom access, this unit is intended for installation in the void above a suspended ceiling.

The unit comes as standard with a 2-speed control motor to provide continuous low-speed ventilation with a boost option, but may be operated by a range of controllers.

performance

	max ventilation rate supply	max ventilation rate extract	noise level dB(A)@ 3m min/max	power W min/max
MOTOR SPEED 1 TRICKLE	30	41	20	19/29
MOTOR SPEED 2 BOOST	70	70	30	



controllers

AVA364 Ambient Response Humidistat.

AVA365 PIR Controller.

accessories

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 (2-speed); **FAN:** centrifugal forward curve type on a common shaft; **SPIGOTS:** 100mmØ tapered; **FILTER:** optional pollen filters available; **CONDENSER DRAIN:** 2 x 22mmØ; **CONSTRUCTION:** white powdered-coated sheet metal; **DIMENSIONS:** 160h x 240w x 305d; **WEIGHT:** 5.6kg.

THE | WHOLEHOUSE WITH HEAT RECOVERY | RANGE



AVHRU3N

features

- up to 70% heat recovery
- low power consumption
- extremely quiet at low speed
- powered heat recovery module
- 150mm duct connection
- washable heat exchanger
- pre-wired

AVHRU3N wholehouse ventilation with heat recovery

Our AVHRU3N is a high efficiency mechanical ventilation unit for continuous extraction specifically for small rooms, while at the same time supplying clean, fresh air. It is suitable for domestic use – typically for use in apartments, flats and smaller dwellings – and small commercial applications.

The unit is extremely quiet in operation at low speeds and its small dimensions allow for flexible installation options in cupboards or ceiling voids using standard 150mm ducting. Capable of five-speed operation, the unit can be operated remotely using a transformer and range of controllers, and has a balanced airflow performance of up to 371m³/h.



controllers

AVA364 Ambient Response Humidistat.

AVA365 PIR Controller.

accessories

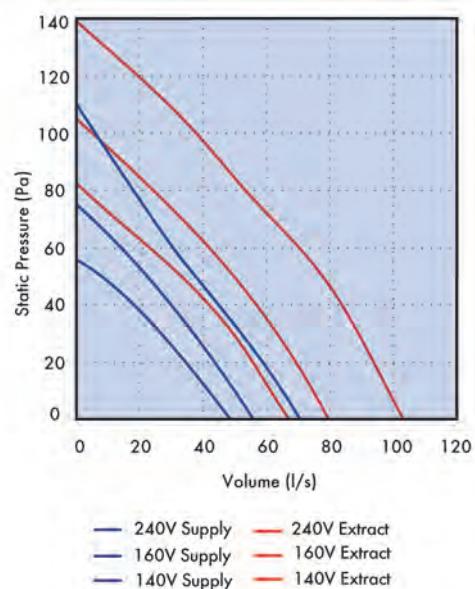
SYSTEM 54 110 x 54 Flat channel ducting, fitting and accessories.

SYSTEM 60 204 x 60 Flat channel ducting, fitting and accessories.

See pages 49-56 for the full range of accessories.

performance

	max ventilation rate m ³ /hour supply	m ³ /hour extract	noise level dB(A)@ 3m min/max	power W min/max
MOTOR SPEED 1	102	139	43	30
MOTOR SPEED 2	138	187	—	40
MOTOR SPEED 3	174	241	—	51.5
MOTOR SPEED 4	201	286	—	60
MOTOR SPEED 5	253	371	62	110



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 mixed-flow type; **SPIGOTS:** 4 x 150mmØ tapered; **FILTER:** optional pollen filters available; **CONDENSER DRAIN:** 2 x 22mmØ; **CONSTRUCTION:** rigid black/white ABS; **DIMENSIONS:** 275h x 373w x 435d; **WEIGHT:** 5.6kg.

WARRANTY 5

THE | WHOLEHOUSE WITH HEAT RECOVERY | RANGE 37

features

- ErP Compliant
- up to 98% heat recovery
- supplied with F8 pollen filter and 2 x G3 filters
- air flow up to 300m³/h
- 3 speed operation
- integrated control panel
- wall-mount installation
- filter check reminder
- simple component access panel
- summer thermal bypass
- automatic frost protection



the AVHR300 has a sleek remote control panel for ease of use

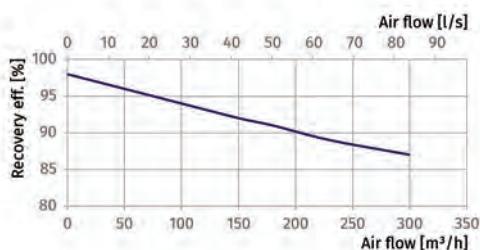
AVHR300 wholehouse ventilation with heat recovery

Our AVHR300 is an ErP compliant, highly efficient mechanical ventilation unit for continuous extraction while at the same time supplying clean, fresh air. The unit is designed for flats and medium-sized houses. The casing is manufactured from tough expanded polypropylene (EPP), and the highly efficient dynamically balanced EC/DC motors allow a balanced system for maximum economy and low noise levels. The unit is designed for wall mounting vertically, with an interchangeable access panel – for right or left-hand mounting – and uses standard 125mm ducting. The unit is operated using the provided control panel, sensor buttons and LED indicator. The AVHR300 has a balanced airflow performance of up to 300m³/h.

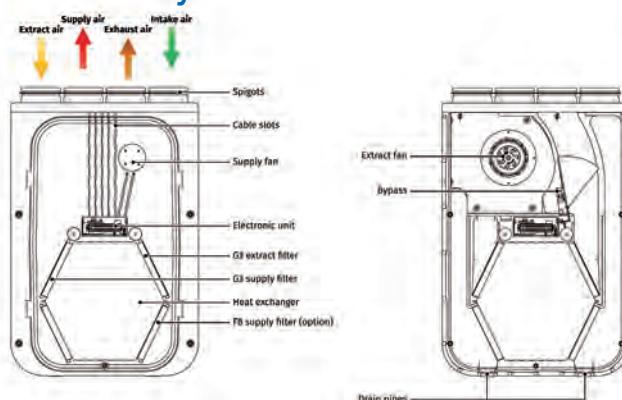
performance

Exhaust Terminal Configuration	air flow rate (l/s)	Specific fanpower (W/l/s)	Heat Recovery Efficiency %
Kitchen + 1 additional wet room	21	0.61	98
Kitchen + 2 additional wet rooms	29	0.80	96
Kitchen + 3 additional wet rooms	37	1.00	94
Kitchen + 4 additional wet rooms	45	1.20	92
Kitchen + 5 additional wet rooms	53	1.40	91

* Energy Saving Trust Best Practice Performance Compliant



product layout



technical data

EFFICIENCY: max 98%; **HEAT EXCHANGER:** counter flow enthalpy membrane type; **MOTOR:** 240V 50Hz AC with manual reset and thermal overload protection; **FAN:** dynamically balanced mixed-flow type; **SPIGOTS:** 4 x 125mmØ tapered; **FILTER:** optional pollen filters available; **CONDENSER DRAIN:** 2 x 22mmØ; **CONSTRUCTION:** black EPP; **DIMENSIONS:** 893h x 590w x 316d; **WEIGHT:** 13kg.



EXCHANGE

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 49-56 for the full range of accessories.

ENERGY
SAVING

AVHR400 wholehouse ventilation with heat recovery

Our AVHR400 is an ErP compliant highly efficient mechanical ventilation unit for continuous extraction while at the same time supplying clean, fresh air. The unit is designed for larger houses, commercial premises and buildings with multiple occupancy such as student accommodation and care homes and is highly controllable, including a 'delay-on' feature useful in bathrooms. The units allow flexible installation – either vertical or horizontal ducting – with accessible connections, using standard 150mm ducting.

Two independently adjustable EC/DC motors allow a balanced system for maximum economy and low noise levels.

The unit has a balanced airflow performance of up to 400m³/h.

accessories

SYSTEM 54 110 x 54 Flat channel ducting, fitting and accessories.

SYSTEM 60 204 x 60 Flat channel ducting, fitting and accessories.

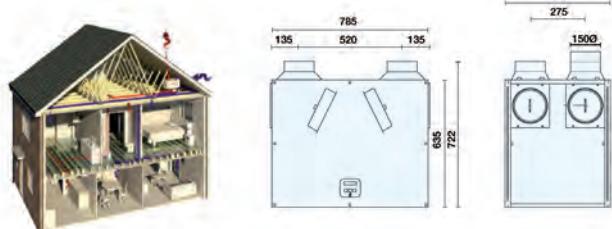
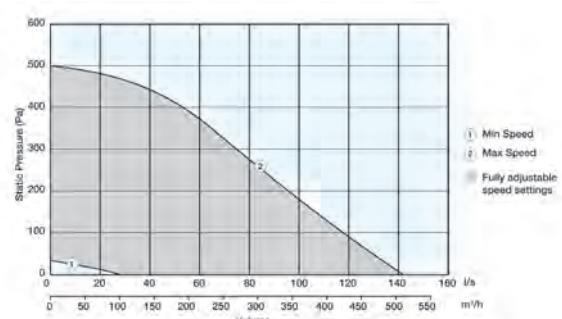
See pages 49-56 for the full range of accessories.

features

- ErP Compliant
- up to 94% heat recovery
- F5 pollen filter option
- tool free filter access
- accessible condensate
- vertical or horizontal ducting
- automatic frost protection
- boost switching
- filter check reminder
- summer bypass

performance

Exhaust Terminal Configuration	Specific fan power (W/l/s)	Heat Recovery Efficiency %	*EST
Kitchen + 1 additional wet room	0.41	94	✓
Kitchen + 2 additional wet room	0.40	94	✓
Kitchen + 3 additional wet room	0.43	94	✓
Kitchen + 4 additional wet room	0.45	94	✓
Kitchen + 5 additional wet room	0.52	93	✓
Kitchen + 6 additional wet room	0.61	93	✓
Kitchen + 7 additional wet room	0.73	93	✓



technical data

EFFICIENCY: max 94%; **HEAT EXCHANGER:** polymeric plastic multi-flow cross flow type; **MOTOR:** 240V 50Hz AC with manual reset and thermal overload protection; **FAN:** dynamically balanced mixed-flow type; **SPIGOTS:** 4 x 150mmØ tapered; **FILTER:** optional pollen filters available; **CONDENSER DRAIN:** 2 x 22mmØ; **CONSTRUCTION:** rigid black/white ABS; **DIMENSIONS:** 722h x 785w x 550d; **WEIGHT:** 24kg.

WARRANTY 5

features

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



performance

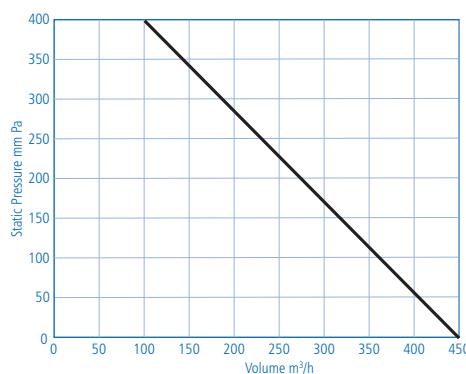
Exhaust Terminal Configuration	Fan speed setting	Specific fan power (W/l/s)	*EST
Kitchen + 1 additional wet room	House 2 (75%)	0.24	✓
Kitchen + 2 additional wet rooms	House 2 (75%)	0.18	✓
Kitchen + 3 additional wet rooms	House 3 (75%)	0.21	✓

* Energy Saving Trust Best Practice Performance Compliant

performance

model	airflow m ³ /hour	airflow litres/sec	noise level dB(A)@ 2m	power W	FID noise level dB(A) inlet duct		
					m ³ /hour	litres/sec	power W
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

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 ‘Energy Saving’ low-consumption DC installation.

AVWH1 – AC VERSION

With three integral fans 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 ‘ENERGY SAVING’

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 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 49-56 for the full range of accessories.



the remote control range

- AVA351** Remote Timer: 1-20 minutes.
- AVA361** Remote Humidistat: RH20-90%; and timer, 1-20 minutes.
- AVA362** Remote PIR, 5-metre range, and timer, 1-20 minutes.



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.



heat recovery and wholehouse control

- AVA364** Ambient Response Humidistat.
- AVA365** PIR Controller.

features

- for standard fans only
- 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.

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.

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

WALL/CEILING RANGE

42

WINDOW RANGE

43

PROFESSIONAL RANGE

44

COMMERCIAL BUILT-IN

RANGE 45

CONTROLLERS

FOR COMMERCIAL FANS 46



key data: AVX230

Airflow m³/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.
- AVX300MPN** Manual pull cord model, pull cord operates shutters.
- AVX300AN** Automatic model.

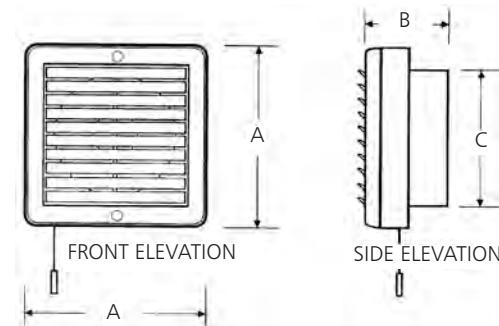
accessories

- AVA012** 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 – Standard Fans Only.
 - AVA361** Remote Humidistat – Standard Fans Only.
 - AVA362** Remote PIR – Standard Fans Only.
 - AVA1206** 300mm Gravity Grille.
 - AVA1209** 230mm Gravity Grille.
- See pages 49-56 for the full range of accessories.

features

- wall or ceiling mounting
- ideal for commercial applications

dimensions

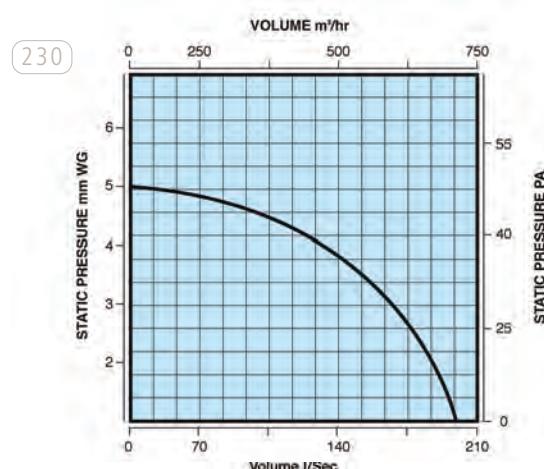


model	A	B	C	wall hole size
AVX230N	286	141	230	255Ø
AVX300N	362	156	300	320Ø

performance

	airflow m³/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



technical data

RATING: 220-240V ~AC; IP24 Pull cord only, IP44; □ ▲;

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

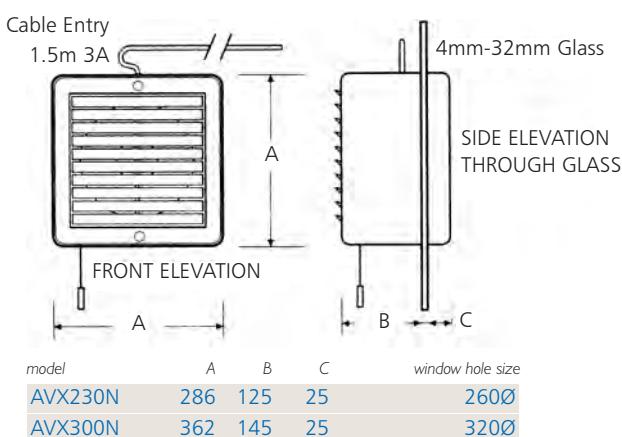
use of controllers			
Model	150/6	230/9	300/12
AVACTRL2R	○	● +	○
AVACTLV	● *	○	○
AVACTLVRN	○	● +	● +

* EXCLUDES HUMIDISTAT MODELS
+ EXCLUDES MANUAL PULL CORD MODELS.

features

- up to 1,100m³/hour
- window or wall mounting
- class-leading performance

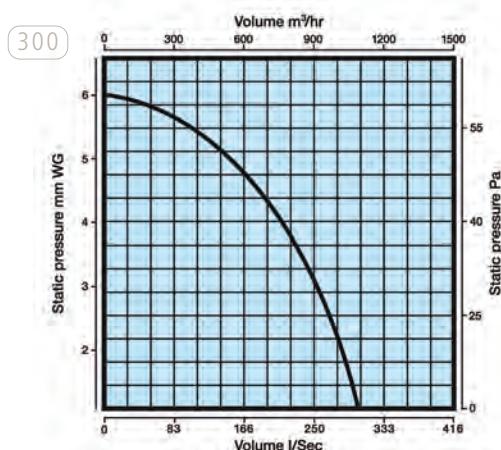
dimensions



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



technical data

RATING: 220-240V ~AC; IP24 Pull cord only, IP44; ;
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.

IP 24 **IP 44** **ZONE U** **WARRANTY 5**

PULL CORD ONLY



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 – Standard fans only.

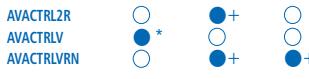
AVA361 Remote Humidistat – Standard fans only.

AVA362 Remote PIR – Standard fans only.

See pages 49-56 for the full range of accessories.

use of controllers

Model I50/6 230/9 300/12



* EXCLUDES HUMIDISTAT MODELS

+ EXCLUDES MANUAL PULL CORD MODELS.



key data: AVXPRO150

Airflow m³/hour	278	Power Watts	25
litres/sec	77	Noise dB(A)	40

the professional range

- AVXPRO150** Automatic model for walls or ceilings.
- AVXPRO150WAN** Automatic model for windows or walls.
- AVXPRO230** Automatic model for walls or ceilings.
- AVXPRO230WAN** Automatic model for windows or walls.
- AVXPRO300** 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

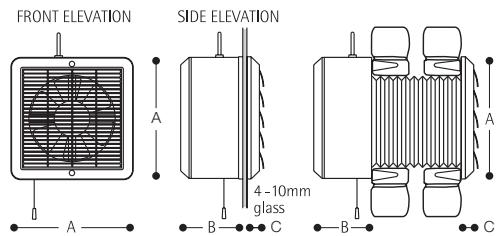
- AVA011** 60-165mm Worm Drive Clamps.
- AVA012** 60-325mm Worm Drive Clamps.
- AVA070** 150mm x 10m Flexible Aluminium duct.
- AVA080** 230mm x 10m Flexible Aluminium duct.
- AVA090** 315mm x 10m Flexible Aluminium duct.
- AVA200** 150mm Gravity Grille (Grey).
- AVA206** 300mm Fixed External Grille 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.
- AVA1206** 300mm Gravity Grille.
- AVA1209** 230mm Gravity Grille.

See pages 49-56 for the full range of accessories.

features

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

dimensions



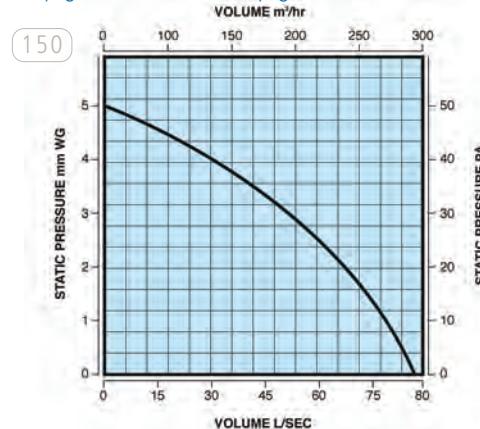
model	A	B	C	D	hole size window	hole size wall
AVXPRO150	203	120	23	173	184Ø	173Ø
AVXPRO230	286	140	25	255	260Ø	255Ø
AVXPRO300	362	160	29	320	320Ø	320Ø

performance

	airflow m³/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 43 for AVX300 and page 42 for AVX230 model performance



technical data

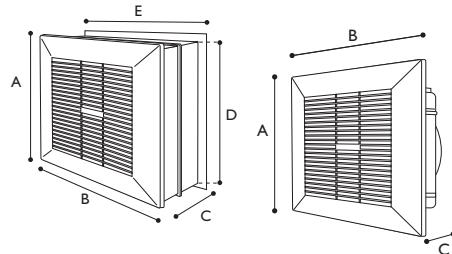
RATING: 220-240V ~AC; IP44; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** 4 pole induction motor with pre-oiled bearings. Thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C. **CE** Double glazing screws for window fans available on request.

features

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



dimensions

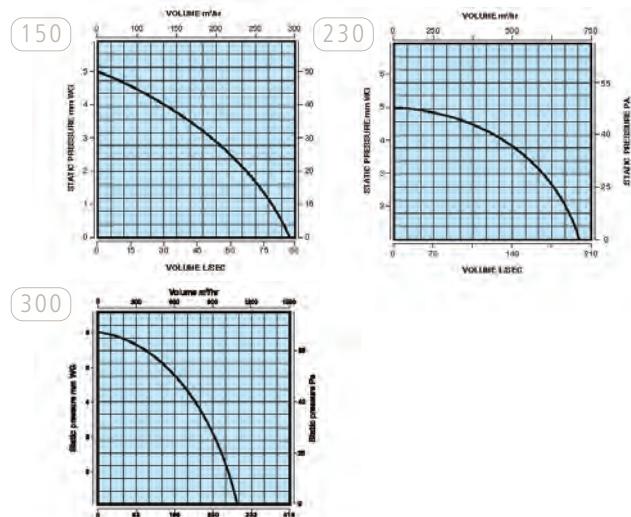


model	A	B	C	D	E	hole size
AVX150BIA	310	310	160-290	275	285	285x295
AVX230BIAN	390	390	160-290	361	365	371x375
AVX300BIAN	470	470	160-290	436	442	446x452
AVX150BIAR	310	310	110	—	—	—
AVX230BIANR	390	390	138	—	—	—
AVX300BIANR	470	470	154	—	—	—

performance

	airflow m³/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 AVX BIAN range



technical data

RATING: 220-240V ~AC, IP44; ; **CONSTRUCTION:** double-insulated impact-resistant ABS thermoplastic; **MOTOR:** 4 pole induction motor with pre-oiled bearings. Thermal overload protection; **MAXIMUM OPERATING TEMPERATURE:** 40°C.



accessories

- AVALCTRL2R** Two-Speed Reverse Controller.
AVALCTRL Variable Speed Controller
AVALCTRLVRN Variable Speed/Reverse Controller.

use of controllers

Model	150/6	230/9	300/12
AVALCTRL2R	○	● +	○
AVALCTRL	● *	○	○
AVALCTRLVRN	○	● +	● +

* EXCLUDES HUMIDISTAT MODELS

+ EXCLUDES MANUAL PULL CORD MODELS.



the remote controller range

- AVA351** Remote Timer: 1-20 minutes.
AVA361 Remote Humidistat: RH20-90%; and timer, 1-20 minutes.
AVA362 Remote PIR, 5-metre range, and timer, 1-20 minutes.



the controller range

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

features

- for use with standard models only
- for use with Wall/Ceiling Range
- timer, humidistat or PIR models
- five-year exchange warranty

features

- for use with Professional Range
- for use with Commercial Range
- for use with Built-In Range
- Variable speed, reverse and reverse/variable speed models available
- five-year exchange warranty

SOLUTIONS FOR EVERY COMMERCIAL APPLICATION



a range of accessories are available for our commercial fans

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.

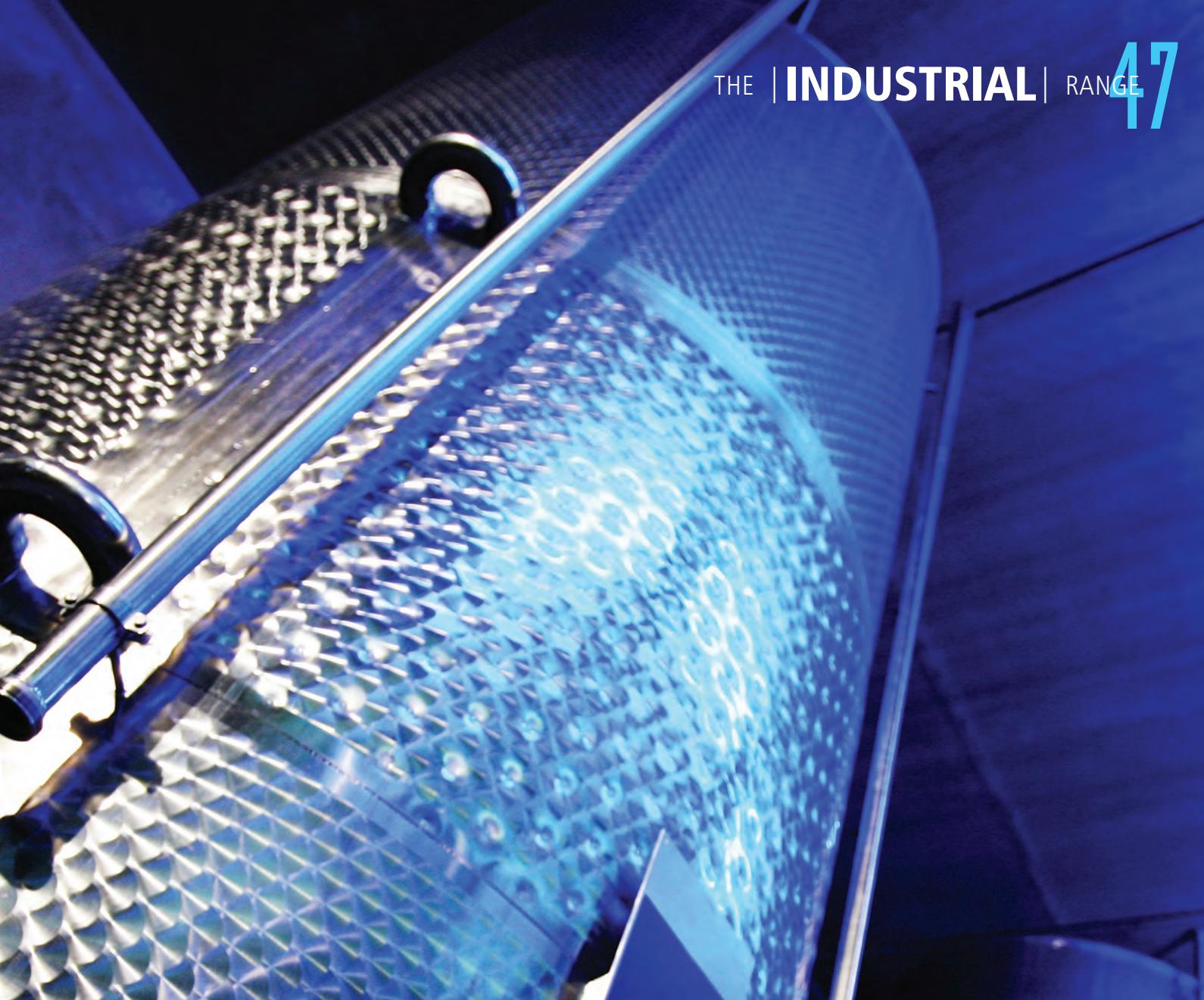
use of controllers quick reference

COMMERCIAL WALL/CEILING,
PROFESSIONAL RANGE AND BUILT-IN

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

* EXCLUDES HUMIDISTAT MODELS

+ EXCLUDES MANUAL PULL CORD MODELS.



SOLUTIONS FOR A WIDE RANGE OF INDUSTRIAL APPLICATIONS

INDUSTRIAL PLATE FAN RANGE 48





key data: AVIPX254MX

Airflow m³/hour	756	Power Watts	30
litres/sec	210	Noise dB(A)	44

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

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.

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.

use of controllers

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

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**

features

- axial: for wall or panel mounting
- high performance up to 5.09m³/sec; tested to ISO 5801
- reversible for supply only or extract only – except AVIPX254MX/AVIPX314MX – extract only
- die-cast aluminium impellers
- fully speed controllable
- extra slim

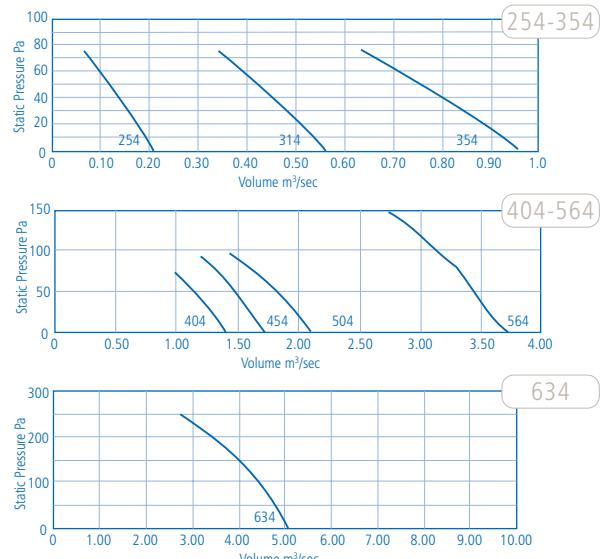
dimensions

model	a Sq	b cts	c dia.	d dia.	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

performance

	airflow m³/sec	fan speed m³/hour	Start-up current Amp	Full load current Amp	db(A)	power W	weight kg
AVIPX254MX	0.21	756	1390	0.3	0.16	44	30
AVIPX314MX	0.57	2052	1390	1.38	0.7	50	110
AVIPX354MX	0.96	3456	1390	1.45	0.84	53	180
AVIPX404MX	1.40	5040	1380	2.4	1.45	56	280
AVIPX454MX	1.72	6192	1380	3.6	1.6	61	360
AVIPX504MX	2.10	7560	1380	4.3	2.3	55	550
AVIPX564MX	3.72	13392	1220	9.3	3.1	63	1600
AVIPX634MX	5.09	18324	1360	28	9.9	70	1900

performance for Industrial plate fan range



THE | ACCESSORY | RANGE

49

ACCESSORIES FOR ALL VENTILATION PRODUCTS

the Addvent **QUICKFIT** internal wall kit

The Addvent Quick-fit Internal Wall Kit can be installed entirely from the inside of a building, reducing installation time and removing the need for potentially costly external works. The kit includes an innovative adjustable wall liner and external grille with a rubber seal for the outside of the building.

Available with either a white or a brown external grille.

main features

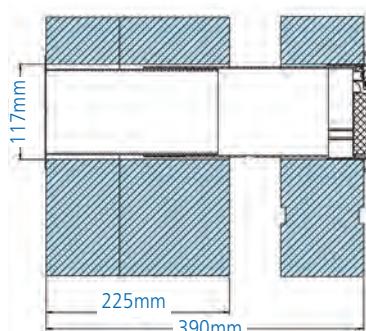
- Quick-fit installation
- install from the inside
- adjustable wall liner
- innovative grille and seal
- white or brown external grille

installation

Designed to fit through the wall in a 117mm hole with a maximum depth of 390mm and a minimum depth of 225mm. Can be used with any 100mm fan - select model without integral backdraught shutter if fan already has them.



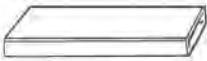
dimensions



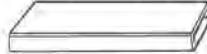
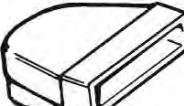
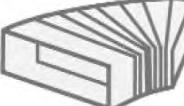
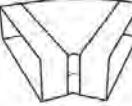
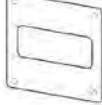
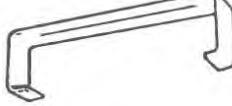
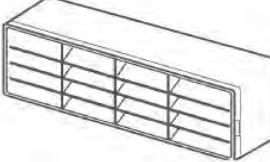
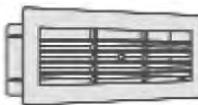
AVA290/AVA291
Min wall thickness: 225mm
Max wall thickness: 390mm
Hole diameter: 117mm

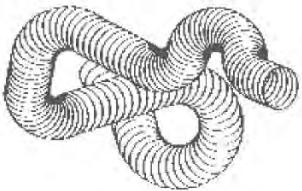
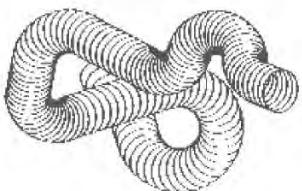
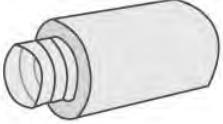
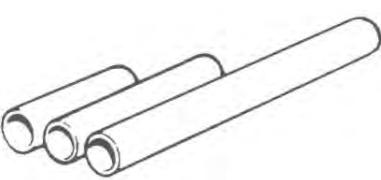
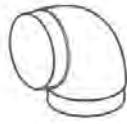
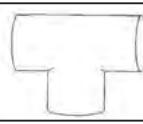
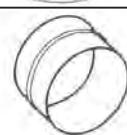
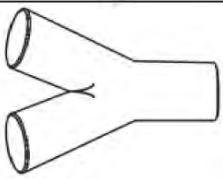
the **QUICKFIT** internal wall kit range

- | | |
|---------------|-------------------------------------|
| AVA290 | Quick-fit Internal Wall Kit (white) |
| AVA291 | Quick-fit Internal Wall Kit (brown) |

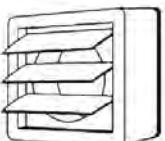
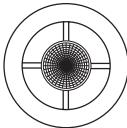
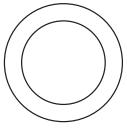
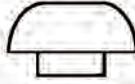
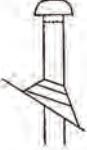
System 54 110mm x 54mm Flat Duct	Product Code	Qty	Description
	AVA54010 AVA54015 AVA54220	1 1 1	Flat Channel Duct x 1m length Flat Channel Duct x 1.5m length Flat Channel Duct x 2m length
	AVA54020	1	Flat Duct Connector
	AVA54030	1	90° Elbow Bend to 100mm - Female
	AVA54040	1	90° Elbow Bend to 100mm - 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 AVA54111B/T/W	1 1	110 x 54mm Gravity Grille Gravity Grille For Flat Duct
	AVA54103 AVA54131B/T/W	1 1	110 x 54mm Cowled Wall Outlet Cowled Outlet for Flat Duct
	AVA54105 AVA54151B/T/W	1 1	110 x 54mm Louvered Vent Fixed Louvre Grille
	AVA54146 AVA54152B/T/W	1 1	110 x 54mm Egg Crate Grille Egg Crate Grille
	AVA54501B/T/W AVA54511B/T/W	1 1	200x60mm Horizontal Louvre 200x60mm Vertical Louvre

THE ACCESSORY RANGE

System 60 204mm x 60mm Flat Duct	Product Code	Qty	Description
	AVA60010 AVA60020 AVA60030	1 1 1	Flat Channel Duct x 1m length Flat Channel Duct x 1.5m length Flat Channel Duct x 2m length
	AVA60060	1	Flat Duct Connector
	AVA60240 AVA60250 AVA60260	1 1 1	90° Elbow Bend to 100mm - Male 90° Elbow Bend to 125mm - Male 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
	AVA60225 AVA60230	1 1	Round to Rectangular adaptor 100mm Diameter Round to Rectangular adaptor 125mm Diameter
	AVA60220	1	Rectangular Wall Plate
	AVA60050	1	Flat Channel Clip
	AVA60270 AVA60280 AVA60290 AVA60300	1 1 1 1	125mm Horizontal Airbrick: White 125mm Horizontal Airbrick: Brown 125mm Horizontal Airbrick: Terracotta 125mm Horizontal Airbrick: Cotswold Stone
	AVA60310 AVA60320	1 1	Horizontal Airbrick with Dampers: White Horizontal Airbrick with Dampers: Brown

	Product Code	Qty	Description
	AVA120 AVAB021 AVAB023 AVA753 AVA763 AVAB024 AVAB040	1 20 1 1 1 32 12	3M/100mm PVC Ducting 3M/100mm PVC Ducting 45M/100mm PVC Ducting 3M/125mm PVC Ducting 3M/150mm 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 AVA125 AVA232	10 1 1	100mm Ø In-Line Backdraft Shutter 125mm Ø In-Line Backdraft Shutter 150mm Ø In-Line Backdraft Shutter
	AVA54135 AVA54150 AVA54190 AVA54191 AVA54200 AVA121 AVA122 AVA123 AVA078 AVA154 AVA155	1 1 1 1 1 1 1 1 1 1 1	100mm Ø Pipe x 350mm Long 100mm Ø Pipe x 500mm Long 100mm Ø Pipe x 1000mm Long 100mm Ø Pipe x 1500mm Long 100mm Ø Pipe x 2000mm Long 125mm Ø Pipe x 1000mm Long 125mm Ø Pipe x 1500mm Long 125mm Ø Pipe x 2000mm Long 150mm Ø Pipe x 1000mm Long 150mm Ø Pipe x 1500mm Long 150mm Ø Pipe x 2000mm Long
	AVA490 AVA590 AVA690 AVA54445 AVA127	1 1 1 1 1	100mm Equal 90 degree bend 125mm Equal 90 degree bend 150mm Equal 90 degree bend 100mm 45 degree bend 125mm 45 degree bend
	AVA408 AVA075 AVA091	1 1 1	100mm Equal T Piece 125mm Equal T Piece 150mm Equal T Piece
	AVA54C414 AVA60C515 AVA60C616	1	100mm Round Duct Connector 125mm Round Duct Connector 150mm Round Duct Connector
	AVA410 AVA077 AVA093	1 1 1	100mm Equal Y Piece 125mm Equal Y Piece 150mm Equal Y Piece

	Product Code	Qty	Description
	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 AVA442 AVA443	1 1 1	100mm Condensation Trap 125mm Condensation Trap 150mm 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
 AVX100 FLUSH-FIT	AVA001* AVA002* AVA003* AVA004* AVA005 AVA006 AVA007 AVA008	1 1 1 1 1 1 1 1	AVX100 Chrome Cover AVX100 Brass Cover AVX100FF Chrome Cover AVX100FF Brass Cover AVX120FF Gold Cover AVX120FF Chrome Cover AVX150FF Gold Cover AVX150FF Chrome Cover
	* NOT FOR USE WITH HUMIDISTAT OR PIR MODELS		
	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 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
	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

	Product Code	Qty	Description
	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 AVA210	1 1	200mm Air Diffuser – White 100mm Circular Air Diffuser – Chrome
	AVA703	1	Tumble Drier Kit
	AVA309 AVA309/1	1 1	AVX230 Roof Cowl Termination AVX300 Roof Cowl Termination
	AVA447 AVA448	1 1	100mm diameter/350mm High Rise Installation Kit 100mm diameter/395mm High Rise Installation Kit
Termination	Product Code	Qty	Description
	AVA395	1	Five in one Roof vent Kit
	AVA441	1	110mm Roof Cowl Grey
	AVA380	1	110mm Angled Roof Kit 457mm x 457mm
	AVA54042 AVA124	1 1	100mm Round Pipe Clip 125mm Round Pipe Clip

50 THE | CONTROLLER| RANGE



the controller range

Controllers for the Industrial and Industrial In-dust.
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.
- AVIC14AN** 4 14.0 amp 5-speed Auto Transformer Control.

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

- AVACTRL2R** 5 Two speed reverse.
- AVACTRLV** 6 Variable speed.
- AVACTRLVRN** 7 Variable speed/reverse.
- AVIC1N** 8 1.7 amp Variable Speed Controller.

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

- AVA351** 9 Remote Timer: 1-20 mins*.
- AVA361** 10 Remote Humidistat, RH20-90%; and Timer, 1-20 mins*.
- AVA362** 11 Remote PIR, 5 metre range and Timer, 1-20 mins*.



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

- AVA364** 12 Ambient Response Humidistat.
- AVA365** 13 PIR Controller.

use of controllers quick reference													
COMMERCIAL AND PROFESSIONAL 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	○	○	○	○	○	○	●	●
MIXED FLOW RANGE													
Model	100	125	150	200									
AVIC1N **	●	●	●	●									

* excludes humidistat models. + excludes manual pull cord models. ** Not for use with timer models.

FOR MORE PLEASANT AND CLEANER SURROUNDINGS

MOBILE AIR CON RANGE

58

HAND DRYER RANGE

61

AIR CIRCULATOR RANGE

59

ECO INSECT KILLER RANGE

62

DESK FAN RANGE

60

50

MOBILE | AIR-CON | RANGE

FOR HOME, OFFICE AND LIGHT COMMERCIAL USE



a compact, highly portable self-evaporating mobile air-con unit

features

- capacity 9000BTU
- low energy consumption
- energy efficiency Class A
- dehumidifying function plus HEPA filter
- fully self-evaporating – no need to empty water container
- suitable for rooms up to 20m² at normal ceiling height*
- easy-to-set manual controls with remote control handset
- compact and portable with wheels and handle for ease of movement

FOR MORE PLEASANT SURROUNDINGS

the air conditioning range

AVAC9000 Portable Air Conditioner.

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.

performance

	airflow m ³ /hour	removal litres/24hr	power W	Rated Cooling Capacity BTU/kW
AVAC9000	350	22	1020	9000/2.6

technical data

POWER SUPPLY: 220-240V/50Hz; RATED COOLING CAPACITY: 9000BTU, 2.6kW;
 RATED INPUT: 1020W @ 4/7A; ENERGY EFFICIENCY CLASS: A;
 MOISTURE REMOVAL: 22l/24h; AIR CIRCULATION VOLUME: 350m³/h;
 REFRIGERANT/CHARGE: R410A/380g; DIMENSIONS: 317w x 770h x 402d;
 WEIGHT: 20.5kg.

IP 24 ZONE U WARRANTY 1
EXCHANGE



AVAC16/20



AVAC18X



AVAC20W

features AVAC16/20

- 3-speed fan operation
- vertically adjustable
- integrated carry handle
- black finish – ideal in commercial premises
- free-standing or wall mount
- two-year exchange warranty
- supplied with moulded 13 amp plug

features AVAC18X

- high-performance, up to 5,100m³/hour
- 3-speed fan
- stainless-steel fan blades
- black finish
- supplied with stand
- two-year exchange warranty
- supplied with moulded 13 amp plug

features AVAC20W

- 3-speed fan operation
- adjustable tilt angle
- integrated carry handle
- two-year exchange warranty
- supplied with moulded 13 amp plug

FOR MORE PLEASANT SURROUNDINGS

the air circulator range

AVAC16	16" (405mm) Air Circulator.
AVAC20	20" (510mm) Air Circulator.
AVAC18X	18" (460mm) Air Circulator.
AVAC20W	20" (510mm) Air Circulator.

technical data

RATING: 220-240V ~50 Hz;

ZONE U **WARRANTY 2**
EXCHANGE

performance

	weight kg	power W	airflow m ³ /hour
AVAC16	3.15	49	4.5
	weight kg	power W	airflow m ³ /hour
AVAC20	3.85	70	3858
	weight kg	power W	airflow m ³ /hour
AVAC18X	4.2	100	5100
	weight kg	power W	air speed m/sec
AVAC20W	5.3	110	6.25



FOR MORE PLEASANT SURROUNDINGS

features

- AVDF4 USB-powered operation
- AVDF9 2-speed operation
- AVDF12 3-speed operation
- oscillating function
- adjustable tilt angle
- quiet operation
- mesh safety grille
- supplied with moulded 13 amp plug

the desk fan range

- | | |
|---------------|--------------------------|
| AVDF4 | 4" (100mm) USB Desk fan. |
| AVDF9 | 9" (230mm) Desk fan. |
| AVDF12 | 12" (300mm) Desk fan. |

performance

	power W
AVDF4	2.5
AVDF9	30
AVDF12	40

technical data

POWER SUPPLY: 220-240V/50Hz;
 DIMENSIONS: AVDF4 145w x 135h x 90d;
 AVDF9 275w x 385h x 185d;
 AVDF12 345w x 500h x 260d;

ZONE U **WARRANTY 1**
 EXCHANGE

POWERFUL OPERATION AND SUPER-FAST DRYING

THE | **HAND DRYER** | RANGE

G1

AVH15



AVH23



features

- ABS construction
- fully automatic operation
- approx 120mm sensing distance
- fast drying time
- automatic cut-off at 60 seconds

TO PROTECT AND CLEANSE IN SENSITIVE AREAS

the hand dryer range

AVH15	1500W Automatic Hand Dryer.
AVH23	2300W Automatic Hand Dryer.

performance

	air speed m/sec	input W	sound level dB(A) @1.5m	weight kg
AVH15	12	1500	45	2.5
AVH23	30	2300	65	3.5

technical data

RATED: 220-240V ~50Hz;
RATED INPUT: AVH15: 1500W, AVH23: 2300W;
WARM AIR OUTPUT SPEED: AVH15: 12m/s, AVH23: 30m/s;
WEIGHT: AVH15: 2.5kg, AVH23: 3.5kg;
DIMENSIONS: AVH15, 282h x 225w x 160d,
AVH23, 235h x 267w x 210d (mm); CE

IP X1 ZONE U WARRANTY 2
EXCHANGE

AVIK20W



features AVIK20W

- 1 x 20W E-27 3U UV Energy Saving Lamp
- 8000 hours lamp life
- Highly efficient – 40m² coverage
- Fireproof ABS construction
- Wall mount or freestanding

AVIK40W



features AVIK40W

- 2 x 20W E-27 3U UV Energy Saving Lamp
- 8000 hours lamp life
- Highly efficient – 60m² coverage
- Fireproof ABS construction
- Wall mount or freestanding

TO PROTECT AND CLEANSE IN SENSITIVE AREAS

the eco insect killer range

AVIK20W High-tension eco insect killer: 1x 20W lamps.

AVIK40W High-tension eco insect killer: 2x 20W lamps.

performance

	lamp	lamp type	power W	coverage m ²	dimensions mm wxdxh
AVIK20W	1 x 20W	E-27 3U UV	20	40	355/115/265
AVIK40W	2 x 20W	E-27 3U UV	40	60	355/115/265

accessories/spares

AVIKUVL20X 1 x 20W E-27 3U UV Energy Saving Lamp

technical data

RATING: 220-240V ~50/60Hz;
CONSTRUCTION: ABS main body;



PRODUCT OVERVIEW AND TECHNICAL INFORMATION

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.

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.

selection for refurbished properties

■ **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

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.

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 shown left.*

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:

- 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.

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.

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	a Mechanical ventilation systems should be designed to minimise electric fan power. Specific fan power (SFP) should not be worse than: 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	a The heat recovery efficiency of balanced mechanical ventilation systems incorporating heat recovery should not be worse than 70% .
3.0 Controls	a Intermittent Mechanical extract ventilation systems should be operated by local manual switches or automatically by a presence sensor. b All other mechanical ventilation systems should have manual or automatic control of the boost facility.

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.

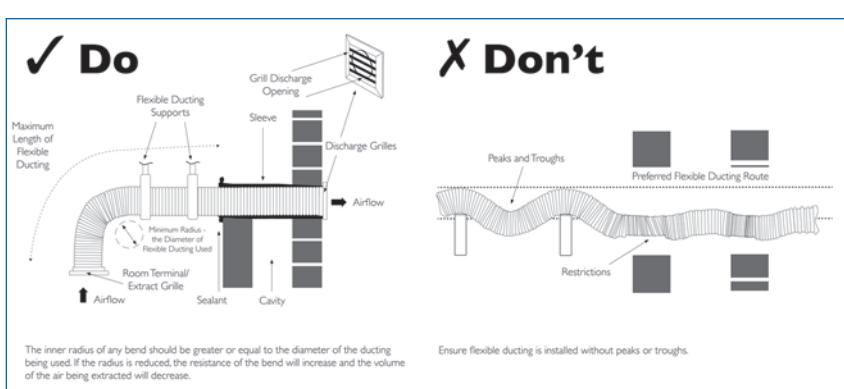
A **maximum length** of 1.5m of flexible ductwork is permitted when connecting to axial fans; for centrifugal fans this limit is 6 metres (for extract rates of 6-30 l/s) and 3 meters (for extract rates of 31-60 l/s).

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 938 6402.



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.

4-inch fans

THE ENHANCE ULTRA QUIET FAN is supremely quiet at just 16dB(A) at low motor speed setting, and is designed for ventilation of bathrooms, wet rooms, and toilets. The Enhance Ultra Quiet Fan is highly efficient, consuming just 7W. Compliant with System 3 of Part F, and discreetly styled to blend with any decoration.

THE ENHANCE QUIET FAN is 60% quieter than conventional fans at just 27dB(A), and is designed for ventilation of bathrooms, wet rooms, and toilets. The Enhance is highly efficient, consuming just 4.8W. Compliant with System 3 of Part F, and discreetly styled to blend with any decoration.

THE ENHANCE AXIAL is the quietest fan in the Addvent range at 15dB(A) in Trickle mode, and is designed for continuous ventilation in bathrooms, wet rooms, toilets, kitchens or utility rooms. The Enhance Axial is highly efficient, consuming just 3.5W at trickle speed, with a boost speed option providing almost double the air flow and a timer for operational convenience. Compliant with System 3 of Part F, and discreetly styled to blend with any decoration.

THE ENHANCE FAN is designed for continuous ventilation – complying with Part L & F – in ducted installations in bathrooms, kitchens, utility rooms or toilets, and runs at trickle speed with two optional boost speeds. Due to the unique design of the motor and impeller assembly, the enhance can be surface or flush mounted, and the rear spigot can be mounted in 2 positions (when flush mounted) allowing for rear exit or connecting to a vertical ducting system. *Part of our Energy Saving range.*

THE AVX100 QUIET fans are part of our Energy Saving 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 AVX100 LOW-WATT fans are part of our Energy Saving 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 AVX100 LF fans are part of our Energy Saving range and are designed to comply with Part L & 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 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 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 humiditsat for the ventilation of bathrooms and WCs. Most models are also available with automatic internal shutters.

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.*

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. The AVCIMF100TSLC mixed-flow fan is for use where higher pressure is required over ducted lengths. And now with Part L & F compliant options.

AND ALSO AVAILABLE THE PART L & F COMPLIANT low energy consumption AVX100LEDSL C LED-powered showerlight for use in the splash area of a bathroom. Comes as a kit complete with white or chrome bezels, flexible

ducting, an external grille and all fixings.

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 & F compliant options.

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 & 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 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.

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. Now with Part L & F compliant options.

Wholehouse ventilation and heat recovery

FOR HEAT RECOVERY the Energy Saving 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 Energy Saving AVHRU3N and AVHR300 are high-efficiency domestic mechanical ventilation units with heat recovery for continuous extraction from multiple rooms.

The AVHRU3N 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 370m³/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 AVHR300 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 300m³/h.

Best suited to 'new build', the unit is quiet in operation and it can be installed in a loft space. Supplied with washable G3 filters, the unit can be operated remotely via controllers.

The unit meets the requirements of Documents L and F of the Building Regulations 2010.

FOR SINGLE ROOM VENTILATION WITH HEAT RECOVERY

the AVH RU2B and AVH RU2T are compact-dimensioned, high-efficiency mechanical ventilation units with heat recovery for continuous extraction from single rooms.

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.

COMMERCIAL VENTILATION PRODUCTS

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 100mm [4"] 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.

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 250mm [10"] 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.

INDUSTRIAL VENTILATION PRODUCTS

Addvent offers solutions for a wide range of industrial applications from small commercial premises to large factories. Axial fans – for wall or panel mounting – are available from 250mm [10"] to 630mm [24"]. Features include class-leading performance – up to 17,050m³/hour – extra slim profiles, in-duct options and unobtrusive, contemporary styling. 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.

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.

CLIMATE CONTROL PRODUCTS

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.

MOBILE AIR-CON

Our high-efficiency **MOBILE AIR CONDITIONING** unit is available as a 9,000btu model. Featuring contemporary, white styling, it is easy to install, compact and use and highly portable.

The AVAC9000 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.

AIR CIRCULATORS range

Stylishly designed with a black 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 20" **AVAC20W** variable speed model in white ABS with adjustable tilt angles is for higher airflow requirements. Ready to use out of the box and an ideal compliment to the office environment. The **AVAC16** and **AVAC20** 3-speed models in black have vertically adjustable tilt action and an integrated carry handle and are ideal for free-standing or wall-mounted operation.

DESK FAN range

Our **DESK FANS** are ideal for the home, office or a light commercial environment. They are quiet in operation with an adjustable tilt angle, oscillating movement and a safety grille. Available as a 4" desk fan with USB connectivity, and either 2- or 3-speed operation.

HYGIENE PRODUCTS

HAND DRYERS

Our **HAND DRYERS** offer fully automatic operation, fast drying times and automatic cut-off after 60 seconds. Manufactured from hard-wearing ABS, ideal for the commercial or office environment. Available with 1.5kW or 2.3kW output.

ECO 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 highly efficient energy 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 20W or 40W ratings.

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 products to be IPX4 or better, or SELV with the transformer located beyond Zone 2. If the fitting is 240v, a 30mA RCD must protect the circuit.**

ZONE 2 **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.**

ZONE U **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 5-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 938 6402 or fax our technical team on 0117 923 5374.

IP rating digit information

First Digit (X)	Second digit (Y)
Protection against solids	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	

Full product details are available from our technical department, for further information

TELEPHONE 0117 938 6402

E-MAIL addventdesignservice@adivision.co.uk

or FAX 0117 923 5374.

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 26 03/18.





www.addvent.co.uk for all product information

Tel 0117 923 5375 Fax 0117 923 5374 Unit 12, Access 18, Bristol BS11 8HT