

“A” Range Axial Fans

Modular Style Fans

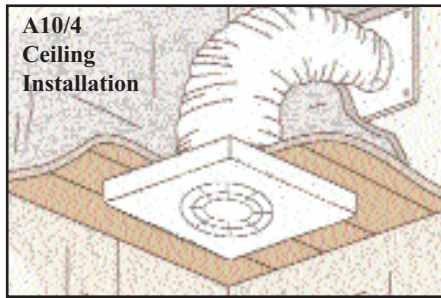
For Toilets, Shower Rooms, Bathrooms, Utility Rooms and Kitchens

- Low Voltage and IPX4 Splashproof Models
- Fixed and Automatic Shutters
- For Walls, Ceilings and Windows
- 3 Sizes
- - Standard
- - Timer
- - Humidity Control
- - Passive Infra Red



GENERAL FEATURES

- Two sizes: 4"/10cm and 6"/15cm
- Axial fans to exhaust air and fumes directly outside or through short lengths of ducting.
- Automatic shutters of the silent, slow moving delayed action type.
- Operate with whisper quiet efficiency.
- For wall, panel, ceiling or window.
- Window installation uses AWK window kits or AWKDG double glazing kits
- Standard model easy ceiling installation with [optional] Ceiling Ring

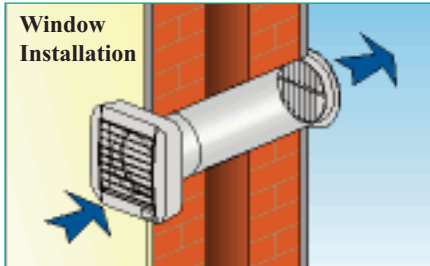


time set back, anti-hunting device and neon indicator to show manual operation.

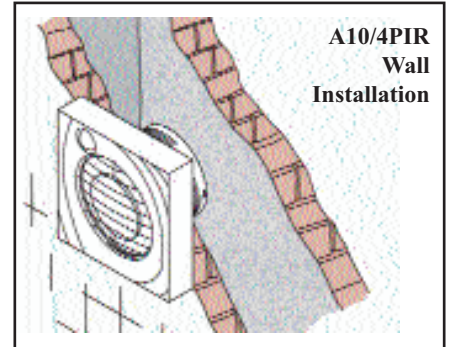
- Humidistat fans are supplied with an anti-vibration gasket.
- Passive Infra Red sensor range 4m/60°
- All the "A" Range fans have casings from shock proof and heat resistant plastics.
- Motors are double insulated and of the shaded pole type mounted on self-lubricating, sealed ball bearings for long life.
- Motors incorporate a thermal cut-out.
- Can be installed in ambient temperatures of up to 40°C.

- They comply with current Safety Standards and are CE marked
- **SELV (Safety Extra Low Voltage)** models IP57 rated for complete safety near water - complete with remote, 12 volt transformer
- **IPX4 - Splashproof** rated models can safely be installed in Zones I and II

THE "A" RANGE OF FANS WILL PROVIDE EFFICIENT, EFFECTIVE VENTILATION IN TOILETS, SHOWER-ROOMS, BATHROOMS, UTILITY ROOMS AND KITCHENS WHILST ENSURING THAT YOU COMPLY WITH THE CURRENT BUILDING REGULATIONS REQUIREMENTS.



- Timer is adjustable between 3 and 15 minutes [standard models] and 3 and 25 minutes [ECO Automatic models]
- Dynamic humidistat incorporates night-



THE RANGE

Fixed Shutters

4"/10cm Sizes

- **A10/4** - standard
- **A10/4C** - pull-cord
- **A10/4T** - timer
- **A10/4HCT** - humidistat, cord, timer

6"/15cm Sizes

- **A15/6** - standard
- **A15/6T** - timer



Automatic Shutters

4"/10cm Sizes

- **ECO-A10/4A** - automatic
- **ECO-A10/4CA** - cord, automatic
- **ECO-A10/4AT** - automatic, timer
- **ECO-A10/4HCTA** - humidistat, cord, timer, neon, automatic

5"/12cm Sizes

- **ECO-A12/5A** - automatic
- **ECO-A12/5CA** - cord, automatic
- **ECO-A12/5AT** - automatic, timer

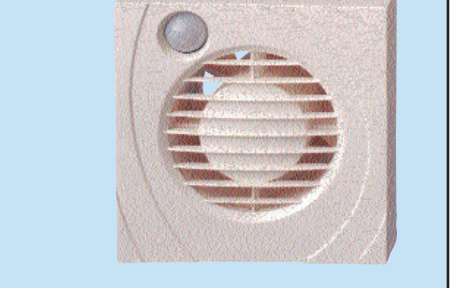
6"/15cm Sizes

- **A15/6CA** - automatic, cord or remote
- **A15/6H2C** - humidistat, 2 speed, cord, automatic, neon

"ECO-A" Automatic



A10/4PIRLV



SELV (Safety Extra Low Voltage)

Fixed Shutters

4"/10cm Sizes

- **A10/4 CLV** - cord or remote
- **A10/4TLV** - timer
- **A10/4HCTLV** - humidistat, cord, timer, neon
- **A10/4PIRLV** - passive infra red, low voltage

Automatic Shutters

4"/10cm Sizes

- **A10/4 CALV** - , automatic, cord or remote
- **ECO-A10/C4ATLV** - automatic, timer, cord or remote, low voltage
- **ECO-A10/4HCTALV** - humidistat, cord, timer, neon, automatic, low voltage

OPERATING FEATURES

Humidistat

The dynamic electronic humidistat in all Vectaire fans is easily adjustable. However, it has been designed so as to change its humidity setting **automatically** to compensate for changes in day and night-time temperatures. This makes it less likely that the fan will start to run during damp winter nights. All humidistat fans are supplied with an anti-vibration gasket

Humidity Control Single Speed Fans

These fans are designed to operate automatically when the integral humidistat senses that the moisture content in the atmosphere rises above its pre-set level (which is adjustable by the user). The fan will continue to run, automatically, until the relative humidity falls beneath that level. The fan also has the facility of being operated manually (either by a pull cord, or remote switch). When this happens, the neon on the front of the fan will light. These fans also incorporate an adjustable over-run timer, which will ensure that the fan will continue to run on until the air is clear, **regardless** of whether it is operating via the humidistat or manually.

Passive Infra Red (PIR) Fans

These fans incorporate an infra-red sensor which activates the fan by proximity. The fan operates at a maximum angle of 60° at an optimum distance of 4 metres.

Typical Installation

Supply and install an ECO-A10/4HCTA axial toilet/bathroom/shower-room fan as supplied by Vectaire Ltd, Lincoln Road, Cressex Business Park, High Wycombe, Bucks, HP12 3RH.

The fan is to be suitable for installation either into a ceiling, wall or window, and be complete with an integral, adjustable, dynamic humidistat, an integral adjustable timer and have a pull-cord so that the fan can be operated manually as well as automatically via the humidistat. There should be a neon on the front of the fan to indicate manual control.

The fan should be made of shockproof and heat resistant plastic, contain a motor with sealed, self-lubricating bearings and be protected with a thermal cut-out

The fan should be double insulated and be suitable for installation into Zones I and II.

The fan is to CE marked, and comply with current Safety Regulations.. The fan should finally comply with Building Regulations requirements for installation into a toilet/bathroom or shower-room.

ACCESSORIES

Windows Kits

AWK10/4 Window kits for installing fans into single pane windows up to 20 mm thick

AWK10/4DG - Window kit for installing 10cm/4" fans into double glazed units where the hole has been cut and sealed - maximum thickness 25mm

AWK15/6DG - Window kit for installing 15/cm/6" fans into double glazed units where the hole has been cut and sealed - maximum thickness 28mm

Wall Vent Kits

AWVK10/4 Kits comprise 14" length of flexible ducting, and White Fixed Grille for the outside wall

Ceiling Rings

ACR4 For easy installation into plaster-board ceilings - ceiling rings screw onto back of fan, holding it firmly in position.

VWTK - Wall termination kit for 10cm/4" fans comprising 350mm length of duct and round wall cowl all for installation from inside building.

VWTC - Round wall cowl for use with 10cm/4" fans - for installation from inside building.

Fixed Grilles - a range of outside wall grilles available in sizes to suit all fans, with or without flyscreen and in white, brown, beige or terracotta colours

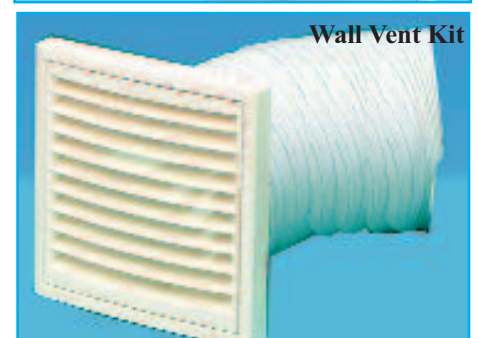
Gravity Grilles - outside gravity walls grilles in sizes to suit all fans and in white, brown or terracotta colours

VCT4 - condensation trap for use with 10cm/4" fans

Fire Dampers - available in sizes to suit all sized fans, either intumescent or fusible link types.

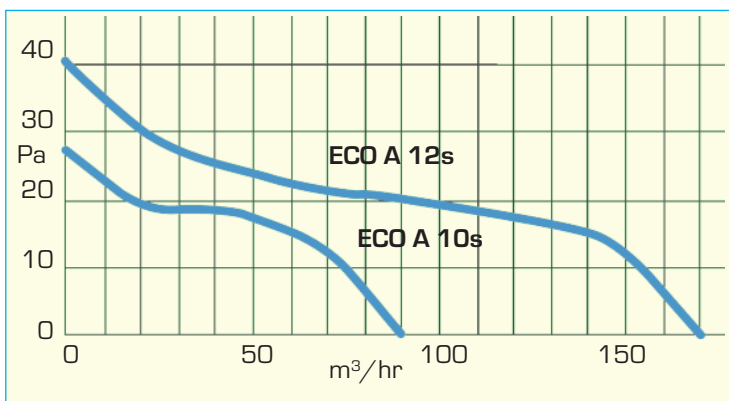
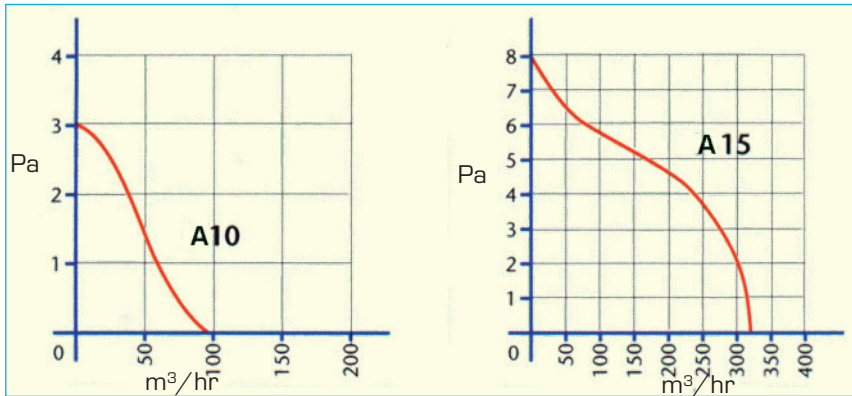
Air Valves - in sizes to suit all fans

Ducting - available in diameters to suit all fans and in following types:
telescopic duct (8" - 14")
rigid duct (14"/350mm lengths)
flexible ducting (3m lengths)
insulated aluminium flexible ducting
aluminium flexible ducting
acoustic aluminium flexible ducting



TECHNICAL CHARACTERISTICS

Models	V	W	Capacity		Maximum Pressure		Max Sound dBA	Hole dia mm
			m ³ /hr	l/sec	mmH ₂ O	Pa		
A10/4s	230	15	98	27	3	29	41	100
A15/6s	230	25	320	89	8	78	43	150
ECO-A10/4s	230	11	90	25	2.65	26	39	100
ECO-A12/5s	230	15	170	47	4	39	42	120



DIMENSIONS

ECO A- Models		10/4s	12/5s	"A" Range Models		10/4s	15/6s	
		A	155	180		A	150	210
		B	155	180		B	35	46
		C	92	121		C	42	60
		D	35	51		D	98	148
		ø	97	119				
		kg	0.5	0.8				

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