

Lo-Carbon PureAir Home

- Anti-vibration joist mounting legs as standard
- Fully adjustable between 19l/s - 49l/s
- Uses latest Lo-Carbon motor technology for low running costs
- Ultra low sound level
- Complete with ceiling diffuser, flexible duct and G4 filters with F7 upgrade option
- IPX2 rated



Some parts of this product are made using recycled material therefore the colour of the plastic may vary from white to black. To find out more please visit www.vent-axia.com/sustainable

Positive Input Ventilation

Designed to prevent and treat condensation and mould quickly. The PureAir Home is the perfect solution for general refurbishment, as its discreet, easy to install and almost silent running.

Lo-Carbon PureAir Home offers a quick and simple solution. A loft mounted positive input fan draws fresh air from the loft, filters it and gently feeds it into the dwelling via a ceiling mounted diffuser. Clean, fresh filtered air with a lower moisture content dilutes, displaces and replaces, contaminated and moisture laden air.

Installation

The Lo-Carbon PureAir Home is uniquely flexible in its installation methods, high sided anti-vibration legs and a hanging kit both come as standard, allowing the PureAir Home to be installed quickly in any sized loft. The easy carry handle incorporated into the body makes carrying the unit easy and safe; especially useful when lifting the unit through loft hatches.

The unit is supplied with a purpose designed diffuser to be located over the stairwell of a conventional dwelling, in the main hall of a bungalow, in the landing or hallway. The 4-point contact easy fit technology allows fast and repeatable 'drill free' installation.

Using Smart Sense™ Technology the unit is easily set to the appropriate speed at installation based on the size of the dwelling. Natural leakage points that are present in all dwellings, as well as purpose provided exhaust points enhances the air change. En-suites and utility areas should be serviced by continuous mechanical extract ventilation.

The PureAir Home can also be set to 'Radon' mode in properties that are affected by high radon gas levels. The unit will run continuously to ensure the constant supply of good indoor air to protect residents from harmful gases.

Performance

With a lightweight construction, the Lo-Carbon PureAir Home features a specially developed Lo-Carbon DC fan/motor arrangement which runs quietly and delivers incredibly low running costs. The Lo-Carbon PureAir Home uses a sensor to monitor the temperature in the loft, automatically adjusting the air volume when necessary. Additionally, resident comfort can be assured through an option to change the temperature at which the unit increases or decreases airflow. The unit will continuously ventilate silently in the background whilst in 'Trickle' mode. Once the unit automatically senses excess heat being lost into the loft the airflow will increase to 'Energy Recovery' mode to recover heat that would otherwise be lost through the roof. During summer months should the loft exceed 27°C (adjustable) the unit will enter 'Stand-by' mode in order stop the circulation of warm air allowing for a more comfortable living environment. PureAir Home Heater models automatically turn on the 500W heater to help take the chill off the incoming air.

Filter

Standard filters supplied with the PureAir Home are G4 (PM10 filtration) which filter out many every day pollutants such as pollen and dust. Optional F7 filters are available (PM2.5 filtration) removing tobacco smoke, diesel particulates, spores and a number of bacteria

Speed Control

Smart Sense™ Technology makes speed selection easy. Once house size is selected based on number of bedrooms, PureAir Home automatically selects the correct 'Trickle' and 'Energy Recovery' speeds. Should you need to adjust speed manually this can be done easily. The Smart Sense™ interface can also be locked ensuring that settings are not tampered with.

Heater

The heater model comes with a 500W heater attached to the unit. Smart Sense™ controls allow the PureAir Home to be adjusted fully when the heater is activated making it adaptable for all lifestyles.

Air Replacement Grille Set*

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

*Only required if there is not a 10mm undercut on the internal doors.

Mounting Options

PureAir Home comes as standard with both high sided anti-vibration legs and a hanging kit. The legs are designed to mount between standard joist widths between 300-650mm. Clip and fit connections allow for easy installation.

Motor

The electronically controlled DC motor is manufactured with long life ball bearings and is fitted with Overload Protection. Suitable for ambient operating temperatures of -25°C to +40°C. For complete peace of mind, the Vent-Axia Lo-Carbon PureAir Home is backed by a 5 year warranty.

Discreet Diffuser

The discreet circular diffuser** is easily installed, fitted and maintained. Easy fix features it can be installed against uneven ceiling surfaces with no gaps. Its low profile and aesthetically pleasing design has been developed with tenant acceptability in mind. The Smart Air™ Technology reduces air supply noise while increasing performance by 10%. The easy clip blanking plates help to control airflow into the property.

**Diffuser will always be supplied using white plastic.

Models

All models come with G4 filter, 2m of flexi duct and Ø200mm Diffuser. The PureAir Home FD model diffuser is fire rated but does not include Smart Air™ Technology.

PureAir Home
Stock Ref
479090

PureAir Home with Heater
Stock Ref
479091

Lo-Carbon PureAir Home with Heater and Fire Damper
Stock Ref
479092

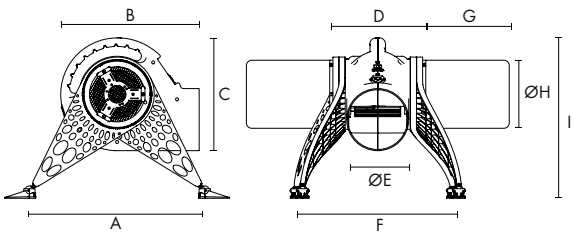
Accessories

| Model | Stock Ref |
|---|-----------|
| Twin Spigot Kit | 449071 |
| An additional kit to allow an extra circular diffuser to be installed near the PureAir Home unit. The kit includes 1 x Ø200mm 6m Duct, 2 x Worm Clips, 1 x Ø200mm Equal Y Piece and 1 x Diffuser. | |
| Interconnecting cable for boost switch | 411150 |
| Diffuser | 478228 |
| F7 Filter Set | 477957 |
| G4 Filter Set | 477629 |
| Air replacement grille set - Brown | 561400 |
| Air replacement grille set - Ivory | 561401 |

Dimensions (mm)

| A* | B | C | D | ØE | F | G | ØH | I** |
|---------|-----|-----|-----|-----|---------|-----|-----|---------|
| 300-650 | 425 | 365 | 330 | 200 | 530-570 | 300 | 220 | 400-600 |

*Variable to adapt to differing joist widths. ** Variable to allow for adapting product height



Performance Guide

| Bedroom | Trickle | | Energy Recovery | |
|------------|-----------------|-----------|-----------------|-----------|
| | Flow Rate (l/s) | Power (W) | Flow Rate (l/s) | Power (W) |
| 1 | 19 | 3.1 | 29 | 5.1 |
| 2 | 25 | 4.3 | 37 | 7.6 |
| 3 | 31 | 6.0 | 46 | 12.0 |
| 4 | 37 | 8.0 | 49 | 13.1 |
| Adjustable | 19-48 | - | 20-49 | - |