

# Lo-Carbon

# PoziDry

## Positive Pressure Unit

### Features & Benefits

- Selectable air capacities to suit floor area up to 150m<sup>2</sup>
- Uses latest Lo-Carbon technology motor for low running costs
- Ultra low sound level
- Lo-Carbon PoziDry comes complete with ceiling diffuser, flexible duct and worm drive clips
- Standard 5 year guarantee
- Up to 5 year maintenance free G4 filter
- IPX2
- SFP of 0.22W/l/s

### Positive Pressure Ventilation

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

#### Without heater

Stock Ref

**444075**

#### With integral heater

Stock Ref

**444766**

### Installation

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

### Performance

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

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

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

### Filter

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

### Time Elapsed Meter

The unit includes a time elapsed meter to enable precise running information.

### Speed Control

With selection of 2 of 6 speeds available up to 50l/s, the unit is suitable for houses up to 360m<sup>3</sup>.

### Heater

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

### Typical Specification

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

### Motor

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

### Twin Spigot Kit

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

#### Stock Ref

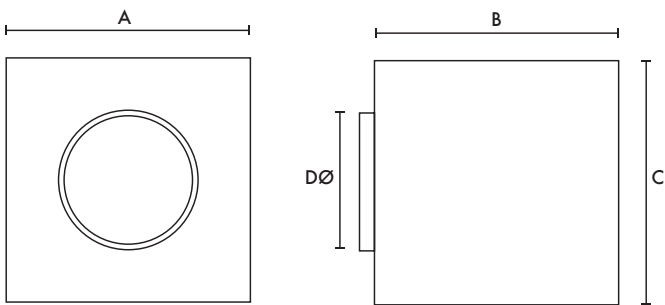
**449071**

#### Includes:

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



### Dimensions (mm)



A	B (depth)	C	DØ	Weight
438	411	379	100	11.5kg

### Performance

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

\*add 500W for heater version

### Sound Data

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