

# Lo-Carbon Solo<sup>®</sup> Plus

## Centrifugal Bathroom/Toilet Fan



### Features and Benefits

- Reduces your carbon footprint.
- Up to 70% energy saving.
- Integral Lo-Carbon power supply.
- Built-in washable filter feature.
- Meets the Building Regulation (Document F) requirements for domestic bathrooms and toilets
- **IPX4** rated.
- Flush or surface mountable.
- Adjustable rear or side exit spigot.
- Extremely low sound levels.
- 5 Year Guarantee on the motor.

### Long Life Ventilation

The **Lo-Carbon Solo Plus** range from Vent-Axia has been specially designed for through the wall and ducted applications, suitable for internal bathrooms, toilets and other small rooms. Finished in white, the Lo-Carbon Solo Plus can be flush or surface mounted, with a 2-position 100mm circular spigot for rear entry or connecting to a vertical ducting system. The powerful centrifugal impeller allows installations using 100mm ducting in straight runs up to 50m, whilst still achieving 54m<sup>3</sup>/h as required by **Document F of the current Building Regulations**.

Continuous running products, such as the Solo Plus installed in all wet areas of a dwelling are classed as a wholehouse ventilation system and therefore, only needs to move the amount of air as laid down in table 1.1b of Document F.

The Lo-Carbon Solo Plus has an adjustable boost speed which is set at installation variable between 57-105m<sup>3</sup>/h for

boost/override operation **to meet Performance**

**Building Regulations** thus ensuring minimum energy usage and low sound levels. All models have an optional speed for constant trickle ventilation (25m<sup>3</sup>/h), selectable at installation. Depending on the model, the fan will switch from trickle (if selected) to boost via the pullcord/light switch/humidity sensor/PIR.

All models can be wall; panel or ceiling mounted and can be connected to either circular, rectangular or Vent-Axia's flat ducting. Enclosure of the electrical components is manufactured from flame retardant grade material. Supply voltage 220-240V/1/50Hz.

### Models

**Solo Plus Lo-Carbon P (Pullcord)** - **DOM**  
Flush or surface mountable. Control by Pullcord. 2 Speed. Constant trickle option. Adjustable boost. In-built Lo-Carbon controller.  
**Stock Ref 427481**

**Solo Plus Lo-Carbon T (Timer)** - **DOM**  
Flush or surface mountable. Control by room light or switch. 2 Speed. Constant trickle option. Adjustable boost. Adjustable timer overrun. Delay on timer. In-built Lo-Carbon controller.  
**Stock Ref 427482**

**Solo Plus Lo-Carbon HT (Humidistat-Timer)** - **DOM**  
Flush or surface mountable. Humidity controlled auto-variable speed 2 fan with pullcord. Constant trickle option. Adjustable boost. Adjustable timer overrun. Delay on timer. Adjustable humidity sensor. In-built Lo-Carbon controller.  
**Stock Ref 427483**

**Solo Plus Lo-Carbon TM (Timer/PIR)** - **DOM**  
Flush or surface mountable. Control by integral PIR detector. 2 Speed. Constant trickle option. Adjustable boost. In-built Lo-Carbon controller.  
**Stock Ref 427484**

Solo Plus Bezel (see page 26)

Model	Extract Performance m <sup>3</sup> /h (l/s) - FID			Watts			Sound dB(A) @ 3m	
	Max Boost	Min Boost	Trickle	Max Boost	Min Boost	Trickle	Max Boost	Trickle
Lo-Carbon Solo Plus P	105 (29)	57 (16)	25 (7)	21	6.5	5.3	42.8	23.7
Lo-Carbon Solo Plus T	105 (29)	57 (16)	25 (7)	21	6.5	5.3	42.8	23.7
Lo-Carbon Solo Plus HT	105 (29)	57 (16)	25 (7)	21	6.5	5.3	42.8	23.7
Lo-Carbon Solo Plus TM	105 (29)	57 (16)	25 (7)	21	6.5	5.3	42.8	23.7

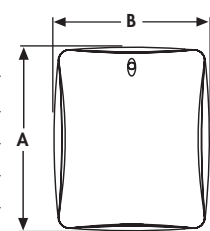
Tested at 240VAC @ 50Hz

### Dimensions (mm)

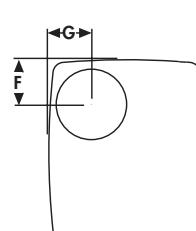
A	B	C	D	EØ
261	221	107	54.5	98
F	G	H	I	J
64	61	37	98	70

Weight 2.2kg

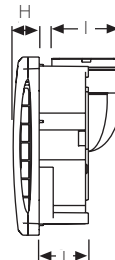
Surface Mount Front View & Side View



Duct Position



Recess Side View



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