Lo-Carbon Solo Plus®/SELV - Up to 70% Energy Saving
Features & Benefits
• Up to 70% energy saving
• Filter less as standard - innovative impeller design means no need for a filter
• Integral Lo-Carbon power supply
• Meets current Building Regulations Approved Documents F & L
• IPX4 rated - IPX7 rated (SELV)
• Flush or surface mountable
• Adjustable rear or side exit spigot
• Lo-Carbon Solo Plus SELV is suitable for installation over or within reach of a shower or bath
• Extremely low sound levels
• 5 Year Motor Guarantee
• Suitable for wall, ceiling and panel mounting
• SELV Models - Supplied with a remote transformer

Safety Extra Low Voltage Fan (SELV)
Designed for areas where a fan has to be fitted over or within Zone 1 in a room containing a fixed bath or shower according to IEE wiring regulations (BS 7671), the Lo-Carbon Solo Plus SELV fan can be safely installed within the spray area. The fan is rated IPX7. Control is by mains safety isolating transformer unit with 24V DC. SELV output, which is sited away from any source of spray and out of reach of a person using a fixed bath or shower. Controller Supply voltage 220-240V/1/50Hz. Output to fan SELV 24V DC.

Models
Lo-Carbon Solo Plus/SELV P
(Pullcord)
Model Stock Ref
P 427481
SELV P 427485

Lo-Carbon Solo Plus/SELV T
(Timer)
Model Stock Ref
T 427482
SELV T 427486

Lo-Carbon Solo Plus/SELV HT
(Humidistat-Timer)
Model Stock Ref
HT 427483
SELV HT 427487

Lo-Carbon Solo Plus/SELV TM
(Timer/PIR)
Model Stock Ref
TM 427484
SELV TM 427488

Lo-Carbon Solo Plus Bezel
Used when flush mounting - reduces the need to make good.
Stock Ref 404106

Wall Kit
Stock Ref
254102 (White)
254100 (Brown)

Filter pack (1 per pack)
The design of the Solo Plus means that is does not need a filter. However, if you are going to install the product in a heavily greasy environment, you may want to protect the product by fitting a filter.
Stock Ref 449265

Lo-Carbon Solo Plus®/SELV

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 15l/s as required by Building Regulations Approved Document F.

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 need to move the amount of air as laid down in table 5.1a and 5.1b of Building Regulations Approved Document F.

The Lo-Carbon Solo Plus has an adjustable boost speed which is set at installation variable between a wall or duct setting for boost/override operation to meet Building Regulations thus ensuring minimum energy usage and low sound levels. All models have an optional speed for constant trickle ventilation (12l/s), 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.
Dimensions (mm)

SELV Transformer: (W x H x D) 147 x 88 x 50mm.
Weight 2.2kg. SELV Weight 2.7kg.
Lo-Carbon SELV controller demotions: (W x H x D) 87x87x33mm.

Performance Curve (Duct Mode)

Performance Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>Extract Performance l/s (m³/h)</th>
<th>Power consumption - watts</th>
<th>dB(A) @ 3m</th>
<th>SFP (W/l/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Boost</td>
<td>High trickle</td>
<td>Low Trickle</td>
<td>Boost</td>
</tr>
<tr>
<td>Wall mode</td>
<td>18 (64.8)</td>
<td>12 (43.2)</td>
<td>8 (28.8)</td>
<td>6</td>
</tr>
<tr>
<td>Duct mode</td>
<td>21 (75.6)</td>
<td>17 (61.2)</td>
<td>11 (39.6)</td>
<td>8.4</td>
</tr>
</tbody>
</table>

Performance Guide

Tested at 240VAC @ 50Hz
VENT-AXIA CONTACT NUMBERS
Free technical, installation and sales advice is available

Sales Centre:
Domestic & Commercial
Sales Tel: 0844 856 0590
Sales Fax: 01293 565169
Tech Support Tel: 0844 856 0594
Tech Support Fax: 01293 539209

Supply & Service
All sales made by Vent-Axia Limited are made only upon the terms of the Company’s Conditions of Sale, a copy of which may be obtained on request. As part of the policy of continuous product improvement Vent-Axia reserves the right to alter specifications without notice.