Lo-Carbon Centra/SELV

- Building Regulations Approved Documents F and L compliant, System 3 Continuous mechanical extract
- Recognised in SAP PCDB - Low SFP
- Discreet, tasteful styling
- IPX4 rated - IPX7 rated (SELV)
- dMEV Pressure detection device
- 5 Year motor guarantee
- Suitable for wall, ceiling, panel and window mounting
- SELV models supplied with remote transformer and suitable for ‘Zone 1’

What is de-centralised MEV (dMEV)?
Building Regulations Approved Document F gives examples of four main methods of ventilation. System 3, Continuous mechanical extract ventilation, can be achieved using a single centralised extract unit such as the Sentinel Multivent ducted to ‘wet’ rooms (kitchen, bathroom, en-suite and WC) or by decentralised individual fans, such as the Lo-Carbon Centra in the ‘wet’ rooms. The fans run continuously at near silent levels providing a simple and effective form of ventilation.

SELV (Safety Extra Low Voltage) is designed for areas where a fan can be installed within Zone 1 in a room where there is a fixed bath or shower. Ingress Protected (IP) to IPX7 Lo-Carbon Centra SELV can be fitted safely within the spray area. The separate transformer can be mounted away from the spray zone and out of reach from the bath or shower.

The Lo-Carbon Centra meets the latest requirements of the Building Regulations Approved Document F for wholehouse system ventilation and all models come with a 5 year motor guarantee.

Selection of the two trickle flow rates (6l/s or 9l/s) is via a simple ‘jumper’ on the control board. Different methods are available for operating the 15 l/s boost speed from a simple switched live to integral humidistat. See individual models for further details.

The attractive and discreet styling of the Vent-Axia Lo-Carbon Centra will complement the décor of any new home while virtually silent operation ensures optimum ventilation is achieved without intrusive noise.

Specific Fan Power
dMEV version recognised in SAP PCDB. Lo-Carbon Centra has a specific fan power of only 0.18 W/l/s in through-the-wall kitchen applications.

Models
Lo-Carbon Centra dMEV
Auto speed selection at installation and suitable for bathrooms or kitchens. The integral air pressure sensor checks the airflow when first installed and also helps the fan to compensate for external wind pressure.
Stock Ref
441782

Lo-Carbon Centra T/SELV T (Timer)
Ideal for bathroom and toilet applications, this unit runs continuously on trickle setting and may be boosted by the switched live input which activates the timer (fixed 15 min on T models, adjustable 5-30 minutes on SELV models).

Model Stock Ref
T 442954
SELV T 443175

Lo-Carbon Centra TP/SELV TP (Timer/Pullcord)
For bathroom/toilet applications, the continuous running TP model is boosted by the pullcord which activates the timer (fixed 15 min on TP models, adjustable 5-30 minutes on SELV models).

Model Stock Ref
TP 447127
SELV TP 447128

Lo-Carbon Centra HT/SELV HT (Humidistat/Timer)
For bathroom/toilet applications, the continuous running HT model is automatically boosted by the built-in humidistat or by a switched live input which activates the timer (fixed 15 min on HP models, adjustable 5-30 minutes on SELV models).

Model Stock Ref
HT 442955
SELV HT 443176
Lo-Carbon Centra HTP/SELV HTP (Humidistat/Timer/Pullcord)
For bathroom/toilet applications, the continuous running HTP model is automatically boosted by the built-in humidistat or by the pullcord which activates the timer (fixed 15 min on HTP models, adjustable 5-30 minutes on SELV models).

Model Stock Ref £Trade
HTP 443045 204.10
SELV HTP 443177

Accessories
Model Stock Ref £Trade
150mm Conversion Kit 443334 32.04
Wall Kit White 254102 24.10
Wall Kit Brown 254100 24.10
Window Kit 442947 26.08
Ceiling Kit 443800

Performance Guide

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>DØ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lo-Carbon Centra dMEV/All SELV</td>
<td>160</td>
<td>35</td>
<td>115</td>
<td>99</td>
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<tr>
<td>Lo-Carbon Centra T/TP/HT/HTP</td>
<td>160</td>
<td>35</td>
<td>80</td>
<td>99</td>
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</table>

Transformer 87 x 87 x 33mm (W x H x D) (SELV models only)

Dimensions (mm)

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SAP PCDB Performance (dMEV model)

Systems With Rigid Ductwork Installation

<table>
<thead>
<tr>
<th>Unit Configuration</th>
<th>Location</th>
<th>Fan Speed Setting</th>
<th>Flow Rate (l/s)</th>
<th>SFP [W/l/s]</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Room (Ducted)</td>
<td>Kitchen</td>
<td>High</td>
<td>13.2</td>
<td>0.32</td>
</tr>
<tr>
<td>In Room (Ducted)</td>
<td>Wet Room</td>
<td>9 l/s</td>
<td>8.4</td>
<td>0.28</td>
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<tr>
<td>Through Wall</td>
<td>Kitchen</td>
<td>High</td>
<td>13.5</td>
<td>0.18</td>
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<tr>
<td>Through Wall</td>
<td>Wet Room</td>
<td>9 l/s</td>
<td>8.6</td>
<td>0.20</td>
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Systems With Flexible Or Mixed Ductwork Installation

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<tr>
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<td>Wet Room</td>
<td>9 l/s</td>
<td>8.6</td>
<td>0.31</td>
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