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'

the ELECTRICAL industry awards WINNER 2011

Winners of the Energy Efficiency Initiative 2011 Award
with our Lo-Carbon Continuous Ventilation Product Range

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	473825
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	473826
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	473827
SELV HT	443176

Lo-Carbon Centra HTP/SELV HTP (Humidistat/Timer/Pullcord)

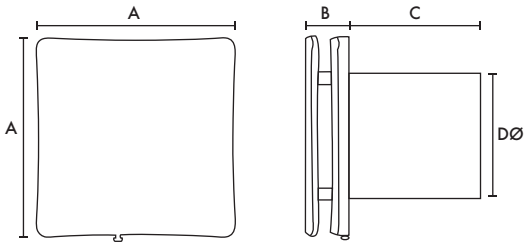
For bathroom/toilet applications, the continuous running HTP model is automatically boosted by the built-in humidistat or by the pullcord which activates the timer (fixed 15 min on HTP models, adjustable 5-30 minutes on SELV models).

Model	Stock Ref
HTP	473828
SELV HTP	443177

Accessories

Model	Stock Ref
150mm Conversion Kit	443334
Wall Kit White	254102
Wall Kit Brown	254100
Window Kit	442947
Ceiling Kit	443800

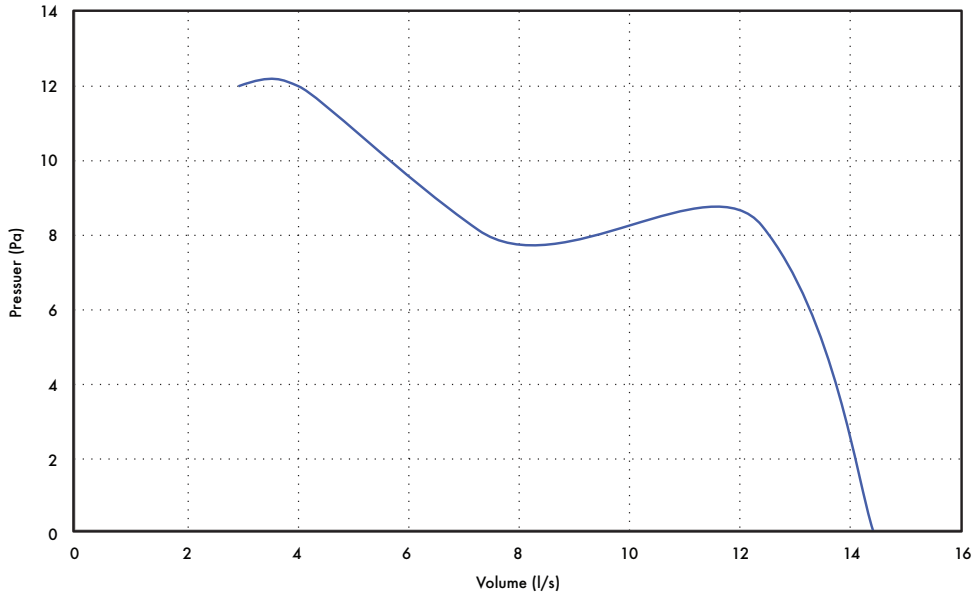
Dimensions (mm)



Model	A	B	C	DØ
Lo-Carbon Centra dMEV/All SELV	160	35	115	99
Lo-Carbon Centra T/TP/HT/HTP	160	35	115	99

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

Performance Guide



	Extract Performance (l/s)			Power Consumption (Watts)			Sound dB(A)@ 3m		
Model	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost
Lo-Carbon Centra dMEV/All SELV	6	9	15	1.4	1.6	2.4	10.8	15.5	25.2
Lo-Carbon Centra T/TP/HT/HTP	6	9	15	3.2	3.5	4.2	10.8	15.5	25.2

SAP PCDB Performance (dMEV model)

Systems With Rigid Ductwork Installation

Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room (Ducted)	Kitchen	High	13.2	0.32
In Room (Ducted)	Wet Room	9 l/s	8.4	0.28
Through Wall	Kitchen	High	13.5	0.18
Through Wall	Wet Room	9 l/s	8.6	0.20

Systems With Flexible Or Mixed Ductwork Installation

Unit Configuration	Location	Fan Speed Setting	Flow Rate (l/s)	SFP (W/l/s)
In Room (Ducted)	Kitchen	High	13.2	0.37
In Room (Ducted)	Wet Room	9 l/s	8.6	0.31
Through Wall	Kitchen	High	13.5	0.18
Through Wall	Wet Room	9 l/s	8.6	0.20