



Lo-Carbon Tempra - Up to 78% heat recovery



Vent-Axia[®]
Lo-Carbon[™]

Lo-Carbon Tempra/SELV

Single Room Heat Recovery Unit

Revolutionary heat recovery replacement for kitchen and bathroom fans

Features & Benefits

- **Fits in 100mm diameter hole – ideal for refurbishments**
- **Up to 78% heat recovery**
- **Available in 2 wall depths: 320mm and 460mm**
- **Reduces the home's carbon footprint**
- **Choice of control options**
- **Summer setting (extract only)**
- **Helps prevent noise ingress**
- **Continuous running or intermittent extract**
- **Meets current Building Regulations Approved Documents F and L**
- **Low power consumption - only 3.2 W**
- **IPX4 rated**
- **Heat Recovery Ventilation**
A fan which recovers up to 78% of the heat from extracted air and puts it back into the fresh incoming air.
- **Fits 100mm diameter hole**
The Tempra will fit 100mm through the wall applications as a straight replacement for a traditional extract fan.
- **Continuous or intermittent flow rates**
Air flows can be set to quiet, low speed continuous rates or high speed intermittent boost rates.
- **Low energy consumption, low noise**
The unique twin impeller design consumes as little as 3.2 Watts and operates almost silently on trickle setting.
- **SELV for Safety**
Also available in Safety Extra Low Voltage, the Tempra can fit in almost any residential application.
- **Versatile control**
Switching on/off or from trickle to boost speeds is possible in several ways: Switched Live, Pullcord or Humidistat. Overrun and delay start timers are also available.
- **2 sizes available - fits walls up to 460mm**
The Tempra comes with 2 spigot lengths - for walls up to 320mm deep or 321 - 460mm deep.
- **Complies with Building Regulations Part F 2010**
Complies with Part F, System 1 and may also be used in conjunction with System 3, continuous mechanical extract ventilation.
- **Complies with Building Regulations Part L 2010**
Low energy consumption means the Tempra exceeds the energy saving requirements in Part L, Conservation of Fuel and Power.
- **Summer Setting**
The extract-only Summer Setting helps keep you cool by closing off the intake from outside, reducing the amount of warm air entering the dwelling.



Near Silent Running, Discrete, Energy Efficient Ventilation

Through-The-Wall Mounted Heat Recovery Unit

The Vent-Axia Lo-Carbon Tempra is designed to fit in 100mm diameter hole and is suitable for refurbished properties in kitchen, bathroom, toilet or utility rooms. The unit meets the performance requirements for continuous extract fans under the current Building Regulations Approved Document F.

The Tempra is available in three models, a P version with pullcord control, a T version with overrun timer and an HTP version with built-in pullcord, overrun timer and humidistat. Two spigot lengths are available; 320mm and 460mm.

The manual summer setting allows the unit to be set to extract only, helping to prevent a dwelling becoming too warm in hot summer conditions.

Performance

Tempra can be set to run continuously at 6 l/s or 9 l/s, boosting up to 15 l/s, recovering heat from extracted air and returning it to the dwelling. The unique, compact heat exchanger has a temperature efficiency up to 78%, saving energy and reducing your carbon footprint. For intermittent extract the Tempra is set to 15 l/s.

The Tempra is also designed so that the replacement air being introduced is at a reduced rate ensuring that the room being ventilated is still under a slight negative pressure. This ensures that fresh air is brought into the room from the rest of the house preventing humid air migrating.

The Lo-Carbon EC/DC motor with twin impellers consumes as little as 3.2 Watts on trickle rate and runs almost silently at only 20dB(A).

Typical Installation

The unique heat exchanger design allows the Tempra to be fitted in a 100mm diameter hole, allowing it to replace standard 100mm extract fans while giving all the benefits of heat recovery. Maximum wall thickness is 460mm.

A longer version of the Tempra is available, designed for installations where the wall thickness is between 321mm and 460mm. 460mm models are identified by an 'L'.

Models

Lo-Carbon Tempra P (Pullcord)

Constant trickle speed with pullcord to boost or intermittent operation by pullcord.

Model	Stock Ref
320mm P	443312
320mm SELV P	444368
460mm LP	403832
460mm SELV LP	403833

Lo-Carbon Tempra T (Timer)

Constant trickle speed with switch live to boost or intermittent operation by switch live.

Model	Stock Ref
320mm T	443310
320mm SELV T	444369
460mm LT	403834
460mm SELV LT	403835

Lo-Carbon Tempra HTP (Humidistat/Timer/Pullcord)

Constant trickle speed with humidistat and linked overrun timer to boost or intermittent operation by switch live.

Model	Stock Ref
320mm HTP	443311
320mm SELV HTP	444370
460mm LHTP	403836
460mm SELV LHTP	403837

Accessories

100mm High Rise Kit

320mm white duct with black seal

Stock Ref
449011

Wall Kit

Extendable Wall Tube suitable for both spigot lengths.

Stock Ref
445529

150mm Conversion Kit

For replacement of 150 diameter fan.

Stock Ref
403847

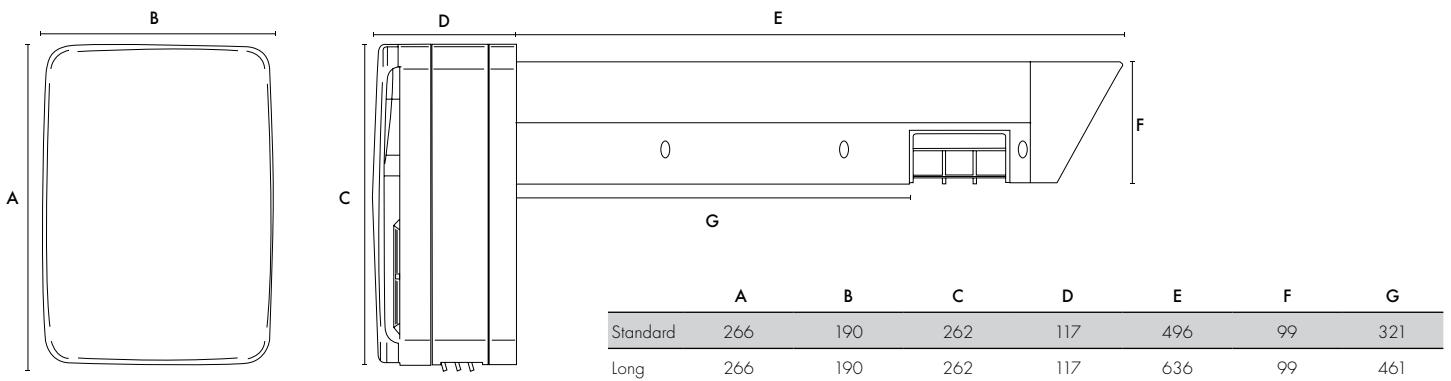
Vent-Axia®

Single Room dMVHR



Continuous Decentralised Ventilation - Providing comfort in our Homes

Dimensions (mm)

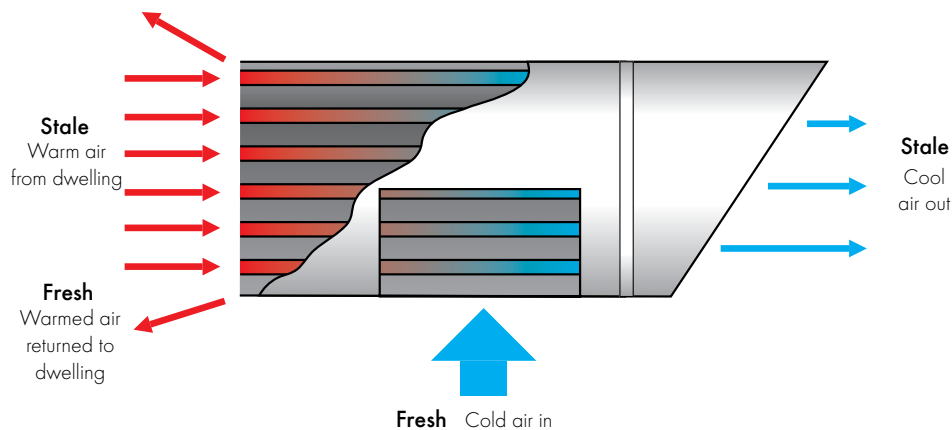


Performance

Model	Extract Performance l/s			Power Consumption Watts			Sound @dB(A)		
	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost	Trickle Low	Trickle High	Boost
Lo-Carbon Tempra (All Models)	6	9	15	3.2	5.7	26.6	20	22	36

*Octave band frequency range of 250Hz to 4KHz at 3m. Unit mounted on a reflective surface.

Heat Exchange - what is heat recovery?





Continuous Decentralised Ventilation - Providing comfort in our Homes

As housing stock is being brought up to date, we now understand more about building performance than ever before. A single room heat recovery unit such as Tempra providing up to 78% heat recovery has been designed specifically for the refurbishment market. The Tempra fits neatly into our homes via the 100mm spigot, ideal for through the wall applications to enable direct replacement to traditional extract methods.



Kitchen - Tempra

- Ideal for use through the wall
- Continuous trickle speed and integral boost complying with system 3 of Part F 2010.
- No requirement for trickle ventilators

Bathroom - Tempra

- Ideal for use through the wall
- Continuous trickle speed and integral boost complying with system 3 of Part F 2010
- Can be used as an intermittent alternative to an extract fan
- No requirement for trickle ventilators



By Appointment to H.M. The Queen
Suppliers of Unit Ventilation Equipment
Vent-Axia, Crawley, West Sussex

Vent-Axia®

VENT-AXIA CONTACT NUMBERS

Free technical, installation and sales advice is available

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Supply & Service

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