Lo-Carbon Tempra - Up to 78% heat recovery
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 Humidstat. 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.
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 bought 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].

Near Silent Running, Discrete, Energy Efficient Ventilation
Continuous Decentralised Ventilation - Providing comfort in our Homes

Dimensions (mm)

Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Trickle Low</th>
<th>Trickle High</th>
<th>Boost</th>
<th>Power Consumption Watts</th>
<th>Sound @dB(A)</th>
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</thead>
<tbody>
<tr>
<td>Lo-Carbon Tempra (All Models)</td>
<td>6</td>
<td>9</td>
<td>15</td>
<td>3.2</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>26.6</td>
<td>262</td>
<td>117</td>
<td>636</td>
<td>99</td>
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<tr>
<td></td>
<td>266</td>
<td>190</td>
<td>262</td>
<td>26.6</td>
<td>22</td>
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<tr>
<td></td>
<td>20</td>
<td>22</td>
<td>36</td>
<td>99</td>
<td>461</td>
</tr>
</tbody>
</table>

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

Heat Exchange - what is heat recovery?

Stale
Warm air from dwelling

Fresh
Warmed air returned to dwelling

Stale
Cool air out

Fresh
Cold air in
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
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 532814

Industrial
Sales Tel: 0844 856 0591
Sales Fax: 01293 534898
Tech Support Tel: 0844 856 0595
Tech Support Fax: 01293 532814
Web: www.vent-axia.com
Email: sales@vent-axia.com

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