# Lo-Carbon Tempra/SELV

- 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
- IPX4 rated
- 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











#### Through-The-Wall Heat Recovery Unit

The Vent-Axia Lo-Carbon Tempra is designed to fit in 100mm diameter hole and is suitable for refurbished properties in kitchens, bathrooms, toilets 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.

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).

#### 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  $321\,\mathrm{mm}$  and  $460\,\mathrm{mm}$ .  $460\,\mathrm{mm}$  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.

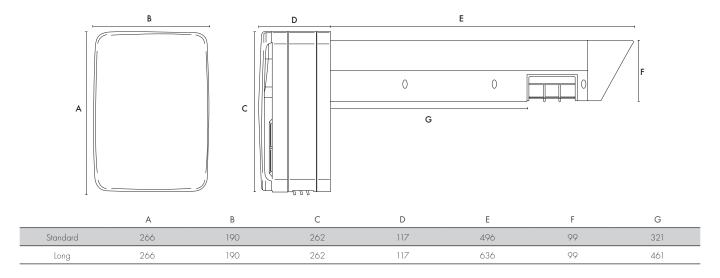
Model Stock Ref 100mm High Rise Kit 449011

Wall Kit

Extendable Wall Tube suitable for both spigot lengths.

Model Stock Ref Wall kit 445529

# Dimensions (mm)



# Performance

	Extract Performance I/s			Power Consumption Watts			Sound @dB(A)*		
Model	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

 $<sup>^{\</sup>star}$ Octave band frequency range of 250Hz to 4KHz at 3m. Unit mounted on a reflective surface.

# Heat Exchange - what is heat recovery?

