

# Centair CMEV.4e/HT

Central continuous mechanical extract system



For more information about:  
GIP, Guaranteed Installed Performance see page 18  
and SMART Technology see page 20



## Did you know...

### Product fact

Centair CMEV.4e/HT have polypropylene materials used in manufacture, these assist in maintaining low running noise levels.

### Energy saving fact

A dripping hot water tap wastes energy and in one week wastes enough hot water to fill half a bath, so fix leaking taps and make sure they're fully turned off!

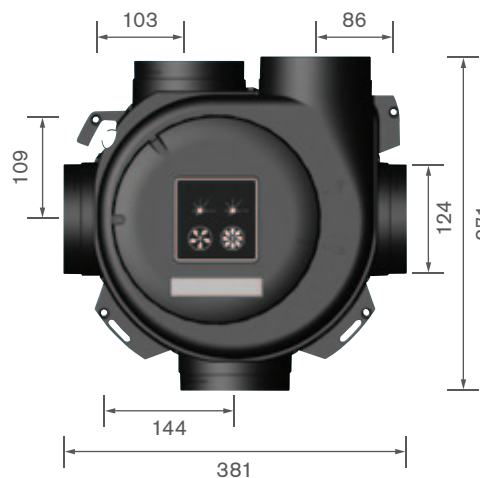
### Building Regulations

In ADF 2010 if you are building >5ach@50Pa background ventilators (2500mm<sup>2</sup> equivalent area) are now no longer a requirement for compliance – see Building Regulations on page 8.

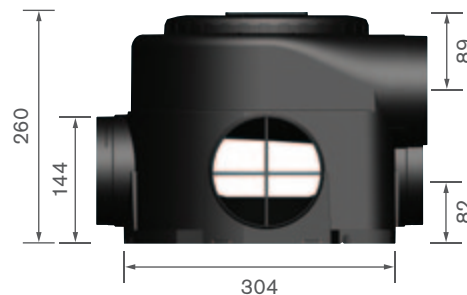
## Physical specification

All measurements in millimetres

**Weight:** 3.8kg  
**Materials:** Fan housing manufactured from high grade black polypropylene material



Top



Side

## Features and benefits

### Top of the energy class

The best SAP Appendix Q eligible product with an incredible 0.16w/l/s\* performance which will help reduce DER's in SAP and contribute to achieving Level 3 and above of the Code for Sustainable Homes.

### Incorporates SMART Technology

A fusion of sensors, controls, and innovative design features that have been designed to enable ventilation to work SMARTer.

### Complete control

A continuously running ventilation system for the whole house that actively contributes to indoor air quality, controlled via a wired in remote switch to control trickle and boost speeds.

### Not seen and not heard

A completely discreet system, centrally mounted in a cupboard or loft, helps reduce the impact of installed running noise for occupants.

### Space saving

The 5th extract point can be located at the bottom of unit (requires cut out onsite) for easier connection to ducting in applications with limited space.

### A perfect fit

Compact design makes it ideal for apartments and small properties that usually can't easily apply System 1's high level of background ventilation.

### No fuss installation and GIP commissioning

One of the fastest units to connect and commission onsite. 100% variable motor speed options for trickle and boost speeds adjusted through speed pots located on the fan body. (Medium speed will be based on mid-point between selected trickle and boost speeds).

### From inside to out

Energy efficient EC motor, 5 extract spigots, wall or ceiling mounting, clever motor assembly design which can be easily removed once isolated, allowing for cleaning and maintenance if necessary.

## Models and control options

Model	Control operation
Centair CMEV.4e	Wired in 3 position remote switch (GS1) to control trickle, medium and boost speeds. Double pole light switches or GS2 to control trickle and one boost speed.
Centair CMEV.4eHT	Wired in 3 position remote switch (GS1) to control trickle, medium and boost speeds. Double pole light switches or GS2 to control trickle and one boost speed. <b>Automatic SMART sensing;</b> Greenwood HumidiSMART™ – humidity boost Greenwood TimerSMART™ – overrun timer

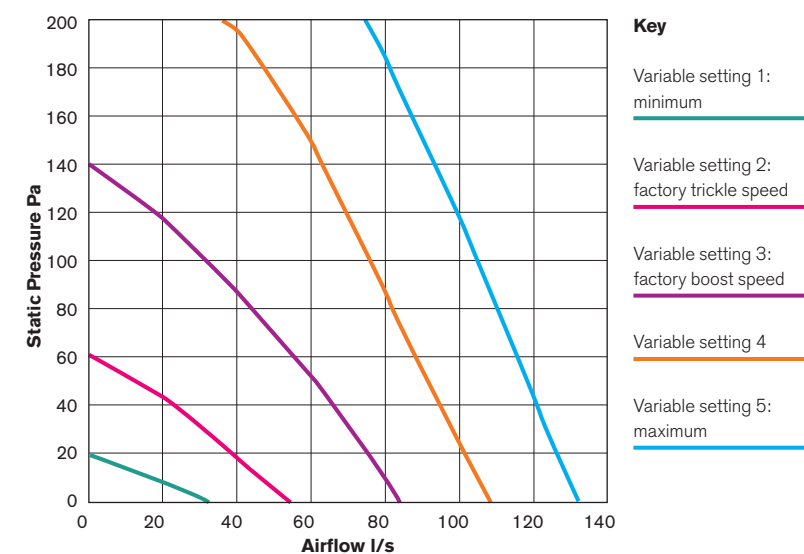
## Performance

Model	Performance to BS 848 Pt1 in free air (l/s)			Energy consumption Watts			Sound pressure level @ 3m dB(A)		
	Max	Boost	Trickle	Max	Boost	Trickle	Max	Boost	Trickle
Centair CMEV.4e/HT	129	80*	51*	37.6	11*	4.9*	34	34*	9*

\* Factory settings for trickle and boost speeds. Medium speed for the unit will be the mid-point between selected trickle and boost speeds.

### 100% variable motor speed

CMEV.4e has a 100% variable motor speed control which is commissioned via a speed pot located on the fan body.



## Ancillaries

**GD8** Modular rectangular (204x60) and round (125mm) light weight PVC ducting system (page 114)

**ST100/125** Spiral wound galvanised steel ducting (page 116)

**GD8 Accessories** Plastic louvred airbricks available in brown, terracotta and sand (page 115)

**GG82** External 125mm louvred vent for wall mounting. Available in white or brown (page 115)

**GG68** PVC extract/supply valve 125mm (page 115)

**Flexiduct** Flexible 125mm PVC and aluminium ducting (page 111)

**GS2** 2 position switch available for controlling unit between trickle and boost speed

**GS1** 3 position switch available for controlling unit between trickle, medium and boost speeds

**KSOP125** Extract valve fire rated 125mm (page 118)

**KSO125** Metal extract valve 125mm (page 118)

## Installation

**Wiring:** Must comply with IEE Regulations

**Cable:** 5 core 0.75mm<sup>2</sup> flying lead

**Fuse:** 3 amp (when fan is supplied from a 6A lighting circuit no local fuse is required)

**Ducting:** Connect to 100mm or 125mm ducting. Solid ducting recommended to minimise air resistance

**Electrical specification:** 230V-50Hz Class II

**Consumption:** Trickle 4.9W  
Boost 11W  
Maximum 37.6W

\*0.16w/l/s based on kitchen + two wet rooms installed with appropriate ducting as detailed in SAP Appendix Q report. Download full details from [www.sap-appendixq.org.uk](http://www.sap-appendixq.org.uk)

† Information from Energy Saving Trust and [energysavingadvice.co.uk](http://energysavingadvice.co.uk)