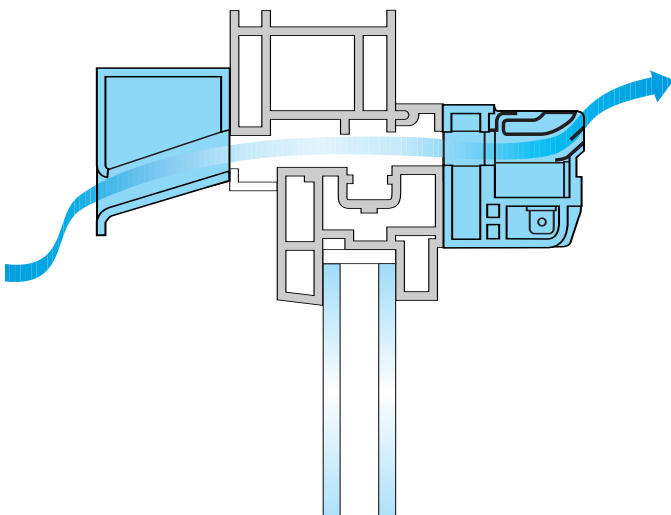


# EHA574

## Acoustic Humidity Control Ventilator



*Humidity control trickle ventilator*

*Self-regulating internal mechanism*

*Provides excellent acoustic attenuation*

*Suitable for use as a through-frame ventilator*

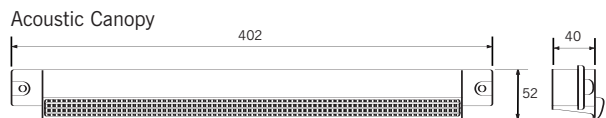
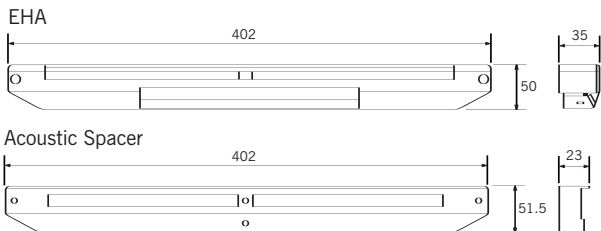
The Greenwood EHA humidity sensitive acoustic air inlet provides trickle ventilation helping prevent condensation and building degradation. Designed to offer 4000mm<sup>2</sup> free area and a permanent regulated airflow throughout the dwelling, the ventilator operates at all temperatures, independent of any power sources.

The vent offers effective protection against noise, providing an attenuation of 44dB in the open setting, which has no effect on flow rates and is suitable for installation where external noise is a problems, such as airports, busy roads and industrial sites.

Supplied as a complete unit, comprising humidity sensitive internal mechanism, acoustic spacer and acoustic canopy, the EHA is quick to install on PVC and timber framed windows. Manufactured from ABS material, the vent is available in white as standard and alternative colours available on request.

Humidity is the condition of the atmosphere in relation to the water vapour it contains. Water vapour is always present in the air in varying amounts, the amount that the air can hold depends on its temperature, the higher the temperature the more water vapour. The 'dew' point is the temperature at which air containing a certain amount of water vapour becomes saturated and further reduction in temperature would result in condensation.

### Dimensions (mm)



### Models and Physical Specification

Model (All separates supplied as complete unit)	Free Area (mm <sup>2</sup> )	Footprint Dimensions (mm)	Standard Rout Size (mm)	Colour
EHA	4000	420 x 50 x 35		W
Acoustic Spacer	4000	420 x 51.5 x 23		W
Acoustic Canopy	4000	420 x 54 x 49		W

Colour: White (W)

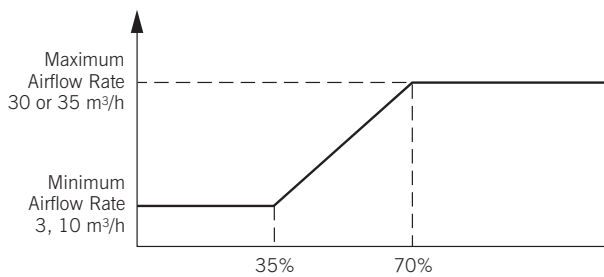
# EHA574

## Acoustic Humidity Control Ventilator

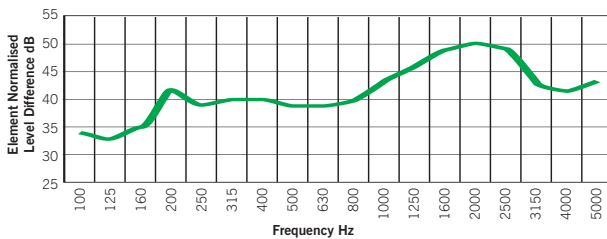
### Product Performance

Flow rates at 10Pa	Min Airflow		Max Airflow	
	m <sup>3</sup> /h	l/s	m <sup>3</sup> /h	l/s
	3	1	35	10
	10	3	30	8
% Relative Internal Humidity*	35%		70%	

\*Relative Humidity is the amount of water vapour in the air at any particular temperature compared with the maximum that it will hold at that temperature.



### Acoustic Performance



Frequency	100	125	160	200	250	315	400	500
Db	34	33	35	41	39	40	40	39
Frequency	630	800	1000	1250	1600	2000	2500	3150
Db	39	40	43	46	49	50	49	43

$$D_{n,e,w} (C;Ctr) = 44(-1;-2) \text{ dB}$$

$$D_{n,e,w} (C) = 43 \text{ dB}$$

$$D_{n,e,w} (Ctr) = 42 \text{ dB}$$

**D<sub>n,e,w</sub>**: Average weighted performance across frequency range

**C**: Pink Noise

**Ctr**: Road Noise

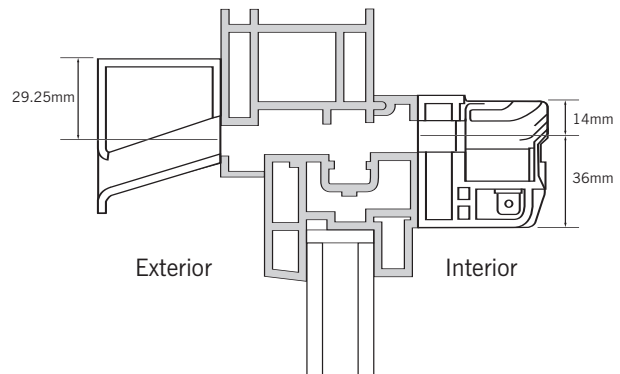
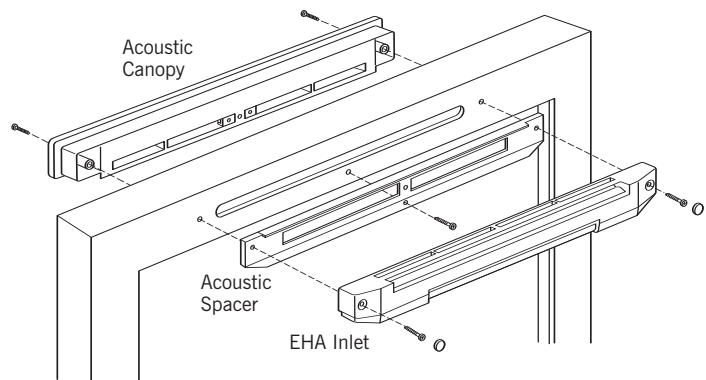
Full specification detail and test reports are available on request.

### Maintenance

Greenwood recommends that any dust be simply removed from the internal mechanism without dismantling.

### Installation & Fixing Details

- 1 Rout slot in window frame 354mm x 12mm.
- 2 Screw fix acoustic spacer to the internal of the window frame.
- 3 Screw fix EHA Inlet to the acoustic spacer.
- 4 Screw fix acoustic canopy to external of window frame.



### How to order

Please state:

- 1 **Model** – EHA574
- 2 **Colour** – W (white)
- 4 **Quantity** – 25.

**EHA 574W x 25**

To order please contact Greenwood Customer Services on 01903 777130

Order lead times available on request.

For further information, please contact Greenwood Technical Services on: **01903 777137**

All information believed to be correct at the time of going to press. All goods are sold according to Greenwood Air Management Ltd's standard condition of sales that are available on request. All dimensions in millimetres unless otherwise shown. Greenwood Air Management reserves the right to change specifications and prices without prior notice. Registered trademarks and patents protect greenwood products.