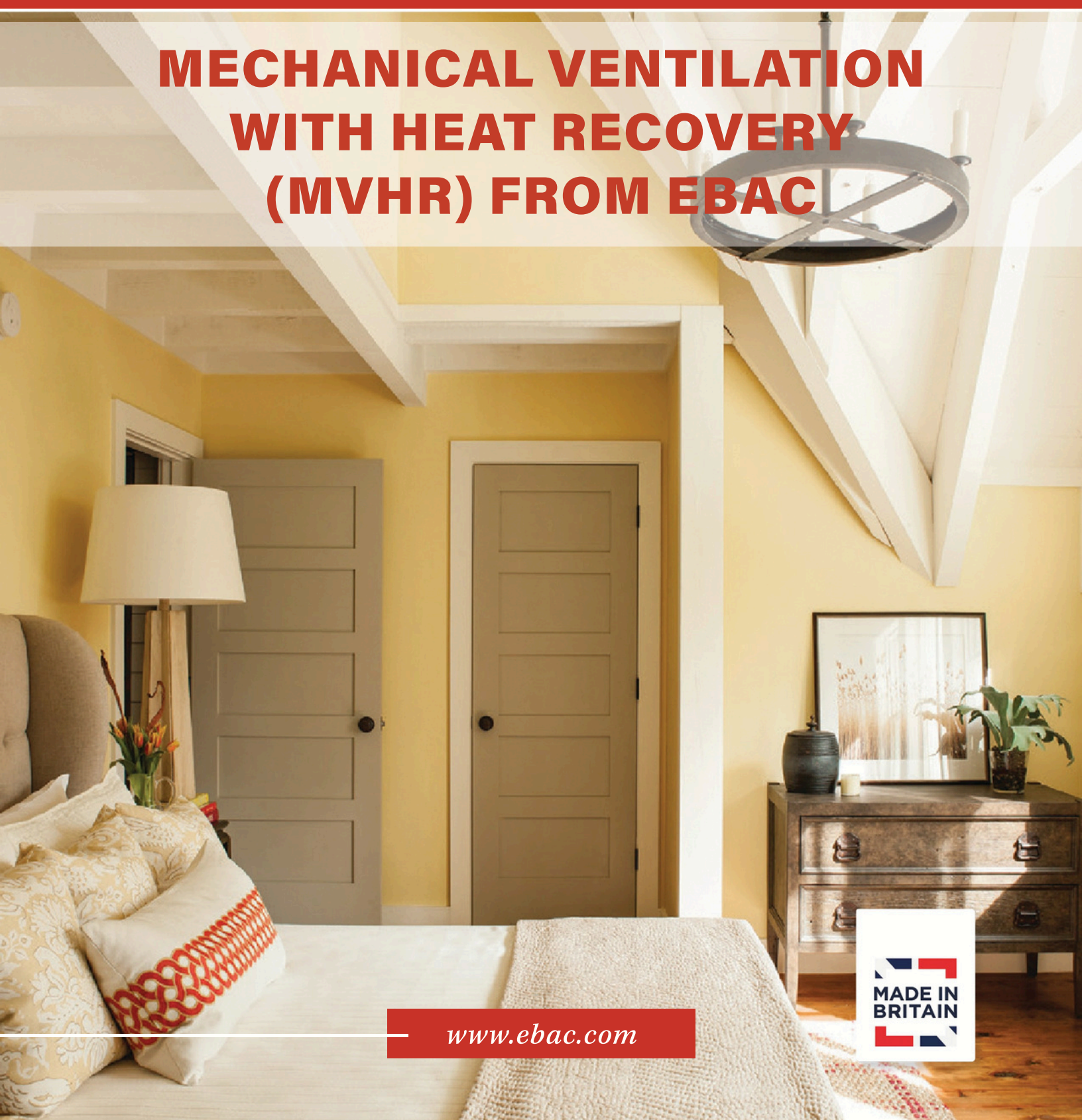


The **Unico** System<sup>®</sup>

# MECHANICAL VENTILATION WITH HEAT RECOVERY (MVHR) FROM EBAC



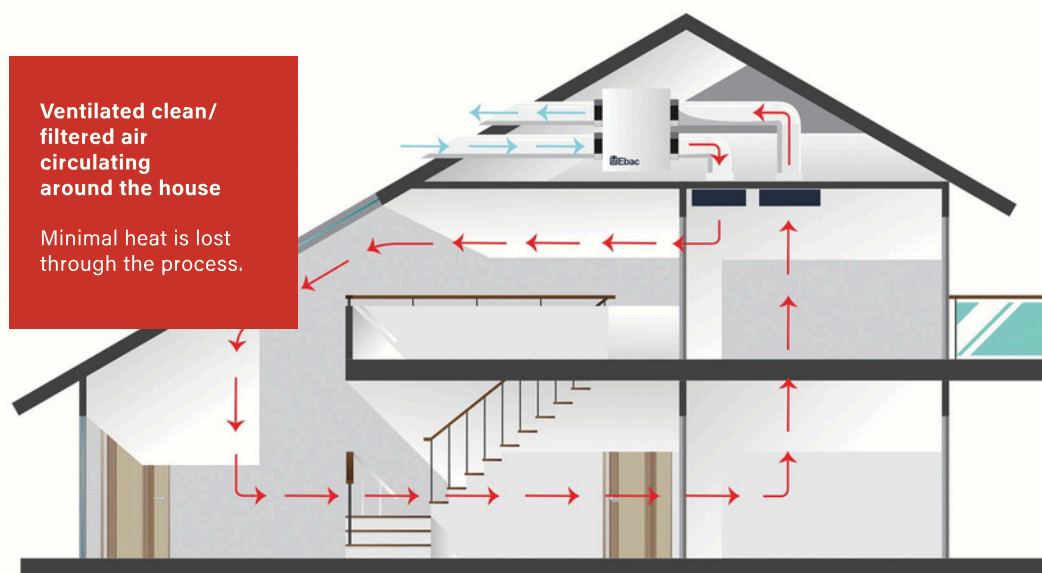
[www.ebac.com](http://www.ebac.com)





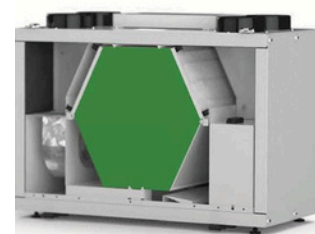
## MVHR Overview

Ebac's home Mechanical Ventilation Heat Recovery (MVHR) system is a whole-house solution for improving a building's internal climate through the extraction and supply of air. Designed to continually extract polluted, humid air from within a building through a heat exchanger in order to extract this heat and transfer it back into the fresh air being extracted and supplied from outside.



## Key Product Features

- 100% filtered summer bypass & summer purge settings
- 32mm thermal & acoustic insulation | Silent hours timer
- Integrated CO<sub>2</sub>, humidity & temperature sensors
- Left or right-hand spigot configurations
- 240m<sup>3</sup> (small to medium home) and 450m<sup>3</sup> (large home) models available
- 88% heat exchanger efficiency
- Artificial Intelligence SMART Control
- Intelligent Defrost system
- 3.5" touchscreen controller
- 0-10v EC fan motors
- G4 90% supply & extract filters
- Integrated automatic frost protection
- 22mm condensation drain
- Wall-mounted or free standing





## Technical Details

**SEC Class**  
**Model**    **SEC Class**  
 VA32        A+



### SAP (2012) PCDB Performance

| Extract Terminal Configuration | Specific Fan Power (W/l/s) | Heat Recovery Efficiency (%) |
|--------------------------------|----------------------------|------------------------------|
| Kitchen + 1 Wet Room/s         | 0.74                       | 88%                          |
| Kitchen + 2 Wet Room/s         | 0.81                       | 87%                          |
| Kitchen + 3 Wet Room/s         | 0.93                       | 86%                          |
| Kitchen + 4 Wet Room/s         | 1.14                       | 84%                          |
| Kitchen + 5 Wet Room/s         | 1.38                       | 84%                          |

### Touch Screen Controller

- All VA32 units are supplied with a wired 3.5" touchscreen controller
- Integral EC 0-10V controlled fan motors
- 2X 240V custom inputs for remote switch to adjust user mode
- Live sensor readouts for the internal & external Temperature, CO2 & RH
- Commissioning Menu
- Summer Purge setup & timer
- Silent Hours setup and timer
- Indoor Air Quality (IAQ) live status indicator
- Fault code display & diagnosis
- Purge timer
- Mode control

### Sound Data

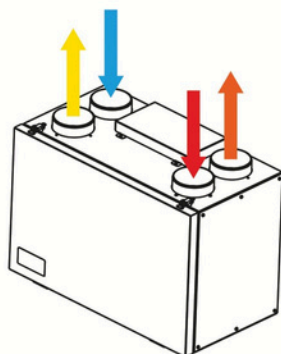
*Preliminary Results*

|                              |      |
|------------------------------|------|
| Ventilation Flow Rate (m3/h) | 167  |
| Static Pressure (Pa)         | 50   |
| Supply Duct dB(A)            | 62.2 |
| Extract Duct dB(A)           | 51.4 |
| Exhaust Duct dB(A)           | 62.3 |
| Outside Duct dB(A)           | 51.1 |
| Case Radiated dB(A)          | 39.1 |

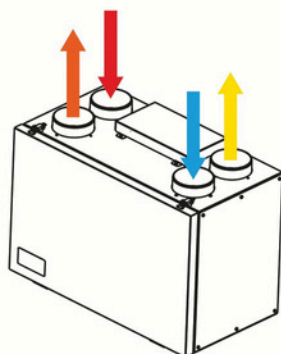
### Key Features

|                               |                    |
|-------------------------------|--------------------|
| Ventilation Capacity at 100Pa | 242                |
| Rated power at 70% of max     | 47.4               |
| Duct Connection (mm)          | 125                |
| Weight (Kg)                   | 35                 |
| Temperature Efficiency (%)    | 91                 |
| Summer Bypass                 | 100%               |
| Humidity Sensor               | ✓                  |
| CO2 Sensor                    | ✓                  |
| Timer                         | Internal           |
| Controller                    | Touchscreen        |
| User Modes                    | Normal Boost SMART |

### Air flow direction



VA32L



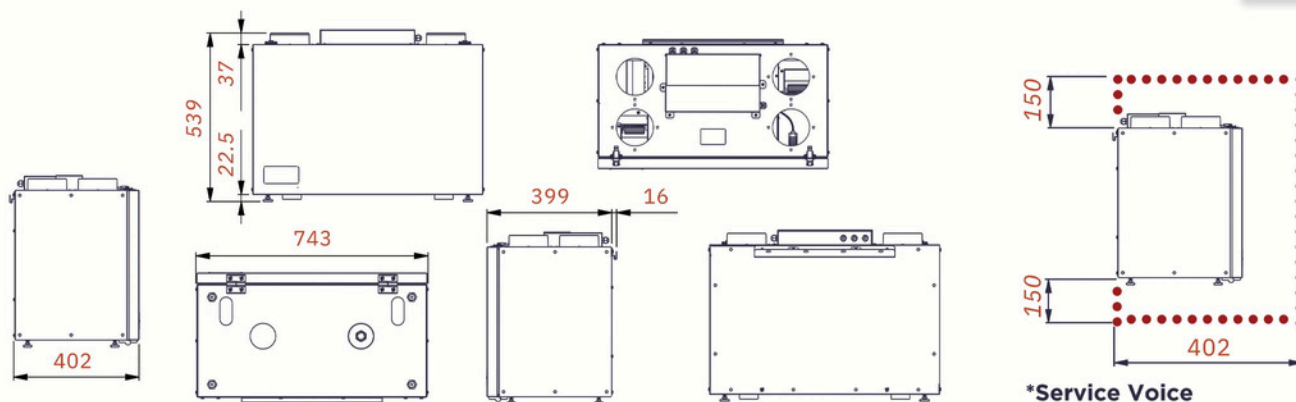
VA32R

- Supply
- Extract
- Outdoor
- Exhaust

Note: Handed variants are sold as separate units. For example, a right hand variant can not be converted to a left hand.



## Dimensions



## Working in Partnership with EBAC

Ebac have been manufacturing innovative air treatment solutions with focus on quality, performance and energy efficiency for over 50 years.

### Technical Support

All of our products are designed and manufactured from our facility in County Durham meaning if you have any questions or queries, you can speak directly to the team who designed the product!

### Ongoing after-sales care

Whether your looking for technical support, a part replacement or just some advice - the UK customer care team is on hand to support from enquiry to after care.

### Trusted manufacturer

With 50 years of manufacturing and air treatment experience, Ebac are experts in the control of excess moisture within homes across the UK.

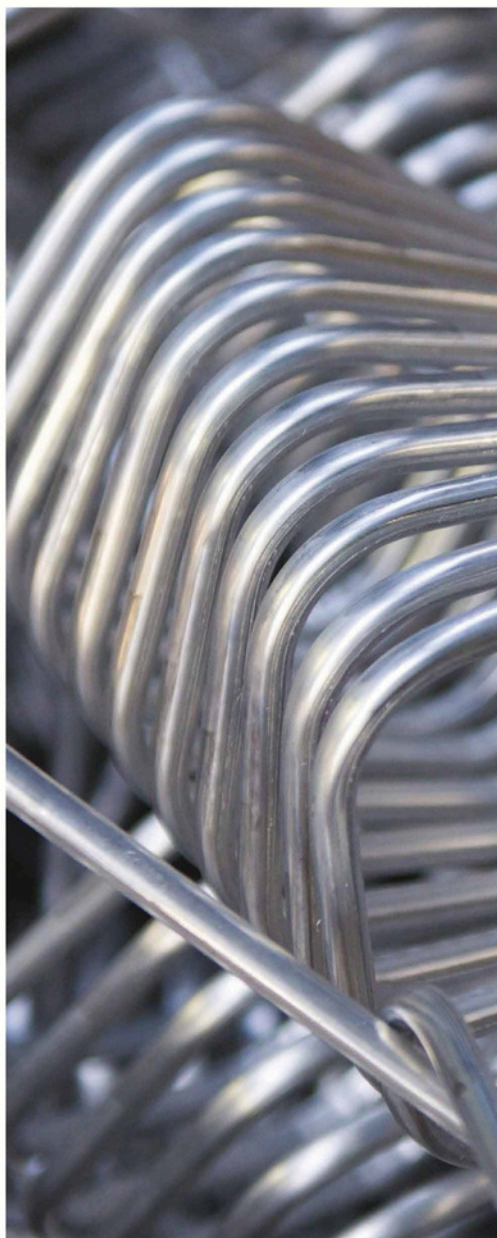
### Leading customers

Ebac have advised major businesses such as the Government, London Underground & British Army in air treatment.





## A Global Customer Base



## Why EBAC?

- 1 Leading British manufacturer
- 2 UK based technical and customer support teams
- 3 Industry leading product design
- 4 Direct from manufacturer cost savings
- 5 Responsive and collaborative working
- 6 Focused on quality and sustainability
- 7 Long-term customer relationships

The **Unico** System<sup>®</sup>

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