



# HRV1.25 Q Plus

Mechanical Ventilation with Heat  
Recovery unit (MVHR)

SMALL TO MEDIUM SIZED DWELLINGS



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The enhanced capacity ultra  
compact HRV1.25 *Q Plus*  
continuously running whole-house  
ventilation unit with heat recovery is

independently tested by the BRE.

Combining ultra low power  
consumption and a highly efficient



SAP performance via Appendix Q – yet the unit remains small enough to be easily incorporated into apartments and smaller houses where space is at a premium.

The HRV1.25 *Q Plus* Range of MVHR unit comes in three different models; our 'A' model which is our basic version and our 'HMB' & 'B' models which are part of our Eco version range. Each set out to accommodate

The Eco versions offer a 100% airflow diverting Summer Bypass, recognised and listed in the UK Product Characteristics Database. They also include intelligent humidity options and can be fitted with the auralite® status indicator, auralite™ (HMB and B models), auramode® and aurastat® controllers (B models only).

**Looking for after sales support?**

## Features & Benefits

- Extremely compact
- Extremely low Specific Fan Power; down to 0.59 W/l/s
- Highly efficient heat exchanger; up to 88%

Airflow up to 43 l/s (155 m<sup>3</sup>/h) at 100 Pa

- Accepts 125mm diameter ducting, no duct seal required

### Product Codes and Specific Features

- Intelligent frost protection, stepped reduction of supply air rates prevents HRV unit from freezing
- Summer Mode
- ISO Coarse 55% (G3) filters as standard with ISO Coarse 60% (G4) as an option

#### Product Model

- Fully adjustable boost overrun timer 0-60 minutes; can be used with non-latching (momentary)

switches to prevent unit from being accidentally left in boost mode

- Setback facility to reduce ventilation where local regulations allow

- Volt free switching control

- Removable airtight filter covers for easy filter maintenance (Standard and Eco model)

- Quick fix mounting bracket
- Patented features and design
- Independent fan adjustment
- Effective in reducing pollutants in the home and improving Indoor

#### Product Code

Air Quality (IAQ), therefore reducing the risk of Toxic Home Syndrome

#### Energy Rating



## Eco Versions

### Eco HMB Model:

- Intelligent Summer Bypass & humidity controls
- SUMMERboost® facility
- Available in left and right handed configurations
- Compatible with auralite® (TP518) status indicator and aura-t™ (TP539) controller
- Fitted with removable filter covers on the front panel

| Product Model                                                  | Product Code                       | Energy Rating      |
|----------------------------------------------------------------|------------------------------------|--------------------|
| HRV1.25 <i>Q Plus</i> HMB<br>Eco auralite® & aura-<br>t™ ready | TP406HMB/544<br>(left hand config) | Energy<br>Rating A |
|                                                                | TP406B/RH<br>(right hand config)   |                    |

### Eco B Models:

- Intelligent Summer Bypass & humidity controls
- SUMMERboost® facility
- Available in left and right handed configurations
- Compatible with Eco-aura range; aurastat®, auramode® and aura-t™ (TP536) controllers and auralite® (TP519) status indicator
- Duct Pre-heater control (requires independent power supply)
- BMS compatible via RS485

| Product Model | Product Code | Energy Rating |
|---------------|--------------|---------------|
|---------------|--------------|---------------|



HRV1.25 *Q Plus* B  
Eco-aura controls ready

config)

Energy Rating  
A

**TP416B/RH**  
(right hand  
config)

### Filters (Basic and Eco Versions):

**XP40032/099** – ISO Coarse 55% (G3) filters fitted as standard (UK only).

**XP46022/099** – ISO Coarse 60% (G4) filters fitted on request (Europe fitted as standard).

**XP2011094/099** – ISO Coarse 55% (G3)/ISO ePM1 50% (F7) filters available on request.

**XP2011095/099** – ISO Coarse 60% (G4)/ISO ePM1 50% (F7) filters available on request.

## Standards

Conforms to requirements of UK statutory Building Regulations and Technical Standards for Ventilation and BRE 398.

### **SAP Appendix Q tested**

Exceeds requirements of Building Regulations Approved Document L (England & Wales).

EU RoHS Directive compliant.

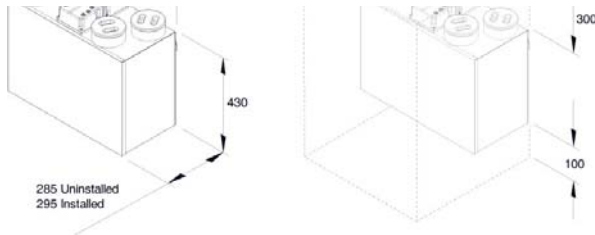
*Conforms to requirements of EC council directives relating to Electromagnetic Compatibility and Electrical Safety:*

2006/95/EC (LVD), 2004/108/EC (EMC), EN 60335-1:2002/A2:2006, EN 60335-2-80:2003/A1:2004.

CE Marked.

## Specification

**Dimensions:** 600mm wide x 430mm high (excluding ports) x 285mm deep (295mm with mounting bracket).



**Weight:** 16kg

**Finish:** White Paint

### Materials;

**Housing:** Zintec sheet steel housing, powder coated white

**Internals:** Expanded polypropylene (EPP)

**Heat exchanger:** Polystyrene

**Internal insulation:** Closed cell foamed Nitrile rubber, class 'O' fire rating

**Standard filters:** Grade ISO Coarse 55% (G3) synthetic filters

**Guarantee period:** 3 years (UK only).

**Electrical:** 230V ~ 50/60Hz, 3A fuse.

**Installation:** Install in accordance with regulatory requirements, such as the Domestic Ventilation Compliance Guide (England & Wales) and the Residential Ventilation Association recommendations.

**Maintenance:** Service and filter clean/replacement subject to local environment – [see product manual](#).

**Acoustics:** [Full acoustic data](#).

## Performance

| Exhaust terminal configuration* | Fan speed setting | Specific fan power (W/l/s) | Heat exchange efficiency (%) | Specific fan power (W/l/s) |
|---------------------------------|-------------------|----------------------------|------------------------------|----------------------------|
| 2009                            |                   |                            |                              |                            |
| Kitchen + 1                     | 100%              | 0.53                       | 91%                          | 0.68                       |



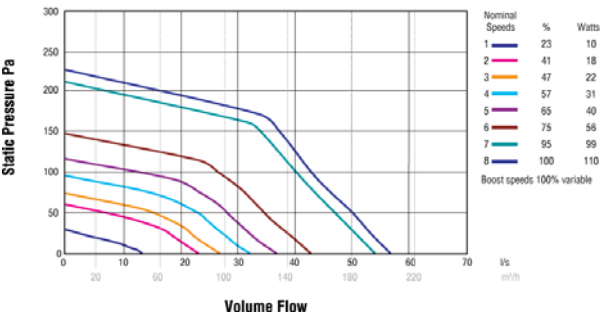
room

|                                  |               |      |     |     |
|----------------------------------|---------------|------|-----|-----|
| Kitchen + 2 additional wet rooms | 100% variable | 0.6  | 89% | 0.9 |
| Kitchen + 3 additional wet rooms | 100% variable | 0.75 | 89% | 1.2 |
| Kitchen + 4 additional wet rooms | 100% variable | 0.98 | 88% | —   |

Figures taken from the BRE Test Results.

\*Number of wet rooms is based on SAP Q test criteria and does not correlate directly with regulatory performance requirements.

## Performance Curve



\*@FID (0 Pa)

All units offer 100% variable speed control.

## Acoustic Data

| Product | % of | Airflow | dB(A) @ 3m Hemispheri |
|---------|------|---------|-----------------------|
|---------|------|---------|-----------------------|



|                           | Max<br>flow |                    |                 |                  |   |
|---------------------------|-------------|--------------------|-----------------|------------------|---|
|                           |             |                    | Induct<br>Inlet | Induct<br>Outlet | E |
| HRV1.25 <i>Q Plus Eco</i> | 40%         | 22l/s<br>@<br>10Pa | 28              | 41               |   |
|                           | 61%         | 34l/s<br>@<br>23Pa | 36              | 49               |   |
|                           | 100%        | 56l/s<br>@<br>50Pa | 43              | 57               |   |

All acoustic data is third party tested at Sound Research Laboratories (SRL) Ltd.

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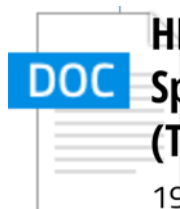
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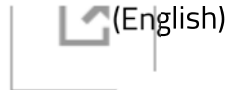
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