

# HRV1.65 HE Q Plus

Ultra energy efficient Heat Recovery Ventilation unit

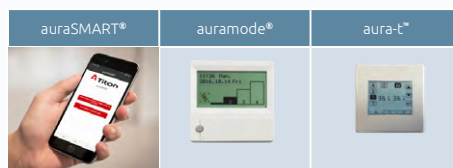
## For use in medium to large sized dwellings

The enhanced capacity HRV1.65 HE Q Plus continuously running whole-house ventilation unit with heat recovery is independently tested by the BRE maintains an ultra compact size despite its improved results.

Combining extremely low power consumption and a highly efficient heat exchanger (up to 90%) it can be incorporated into larger apartments as it is in medium to large sized dwellings.

The HRV Q Plus offer a 100% airflow diverting Summer Bypass. They also include intelligent humidity options and can be fitted with the auramode® and aura-t™ controllers. Our aura-t™ controller can be controlled using our auraSMART® app, which is available on both Apple and Android platforms.

MVHR



## Features & Benefits

- Highly versatile compact unit
- Extremely low Specific Fan Power; down to 0.31 W/m<sup>3</sup>/h
- Highly efficient heat exchanger; up to 90%
- Airflow up to 310 m<sup>3</sup>/h at 100 Pa
- Accepts 125mm ducting no adaptors required
- Intelligent frost protection, stepped reduction of supply air rates prevents HRV unit from freezing
- ISO Coarse 55% (G3) filters as standard with ISO Coarse 60% (G4) as an option
- 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
- Volt free switching control
- Intelligent controller, quick and easy to commission
- Lightweight for easy handling
- Quick fix mounting bracket
- IP32 rating
- On board aura-t™ option
- Patented
- Independent fan adjustment
- Effective in reducing pollutants in the home and improving Indoor Air Quality (IAQ), therefore reducing the risk of Toxic Home Syndrome
- Intelligent Summer Bypass & humidity controls
- SUMMERboost® facility
- Available in left and right handed configurations
- Compatible with Eco-aura range; aurastat®, auramode® and aura-t™ controllers and auralite® (TP519) status indicator
- Duct Pre-heater control (requires independent power supply)
- BMS compatible via RS485 (subject to limitations, additional software requirements and specification with any order)



## Product Codes

HRV1.65 HE Q Plus B Eco-aura controls ready -  
**TP447B** - Energy Rating A

Filters:

**XP2010671/099** - ISO Coarse 55% (G3) filters fitted as standard (UK only).

**XP2010897/099** - ISO Coarse 60% (G4) filters fitted on request (Europe fitted as standard).

**XP2011096/099** - ISO Coarse 55% (G3)/ISO ePM1 50% (F7) filters available on request.

**XP2011097/099** - ISO Coarse 60% (G4)/ISO ePM1 50% (F7) filters available on request.

## Standards

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 505mm high (excluding ports) x 353mm deep (363mm with mounting bracket)

**Weight:** 22kg

**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:** Enquire

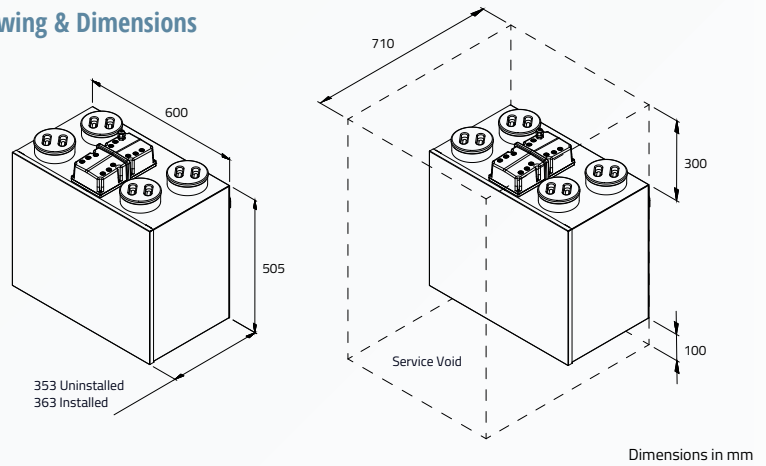
**Electrical:** 230V ~ 50/60Hz, 3A fuse

**Installation:** Install in accordance with regulatory standards of geographical area requirements.

**Maintenance:** Service and filter clean/replacement subject to local environment - see product manual.

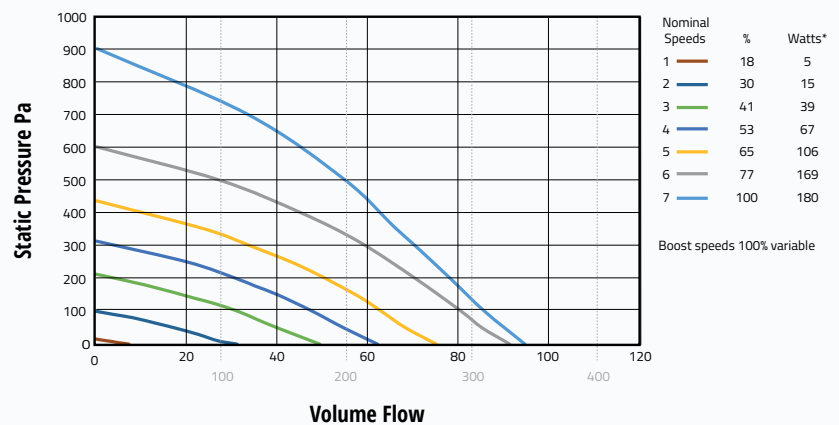
**Acoustics:** Full acoustic data available online [www.titon.com/acoustics](http://www.titon.com/acoustics).

## Drawing & Dimensions



## Performance

| Product              | Air flow (m <sup>3</sup> /h) |        |        |
|----------------------|------------------------------|--------|--------|
|                      | 100 Pa                       | 150 Pa | 200 Pa |
| HRV1.6 HE Q Plus Eco | 311                          | 297    | 283    |



\*@FID (0 Pa)  
 100% variable speed control. Performance curves for Eco version.

## Acoustic Data

| Product           | % of Max flow | Airflow      | dB(A) @ 3m Hemispherical |               |                 | dB(A) @ 3m Spherical |
|-------------------|---------------|--------------|--------------------------|---------------|-----------------|----------------------|
|                   |               |              | Induct Inlet             | Induct Outlet | Casing Breakout | Casing Breakout      |
| HRV1.65 HE Q Plus | 41%           | 45l/s @ 29Pa | 42                       | 49            | 25              | 22                   |
|                   | 65%           | 69l/s @ 50Pa | 48                       | 56            | 34              | 31                   |
|                   | 100%          | 88l/s @ 80Pa | 54                       | 67            | 47              | 44                   |

For full frequency acoustic data at various speeds please see [www.titon.com](http://www.titon.com). All acoustic data is third party tested at Sound Research Laboratories (SRL) Ltd.