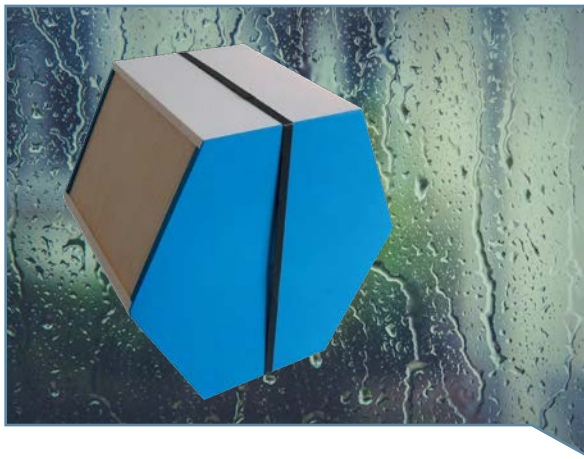


HRV1.35 Q Plus - Enthalpy

Ultra energy efficient Heat Recovery Ventilation unit



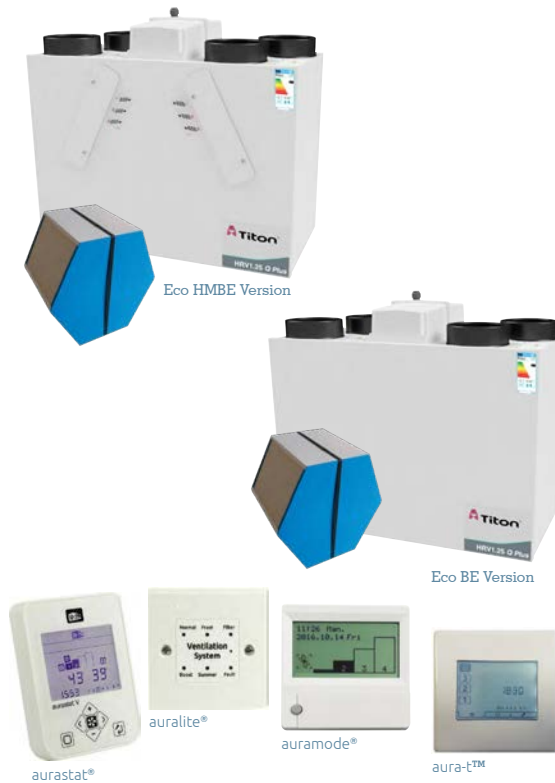
For use in small to medium sized dwellings

The high capacity HRV1.35 Q Plus continuously running whole-house ventilation unit with heat recovery maintains an ultra compact size despite its improved airflow performance.

Combining extremely low power consumption and a highly efficient heat exchanger, this unit remains versatile enough in size to be equally as functional in larger apartments as it is in small to medium sized dwellings.

The counter flow enthalpy heat exchanger has a selective polymer membrane film to achieve low air leakage levels while providing moisture recovery from the exhaust air. These models are ideal for living areas with low humidity, avoiding frost build up at low temperatures, they also have an antimicrobial membrane and long life cycle.

The HRV1.35 Q Plus comes in Eco versions only with a 100% airflow diverting Summer Bypass. It also includes intelligent humidity options and can be fitted with auralite® status indicator or the auramode® and aurastat® controllers.



Features & Benefits

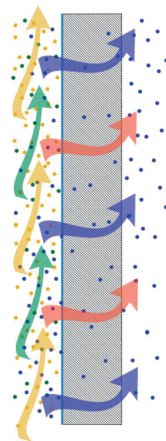
- Highly versatile compact unit
- Highly efficient enthalpy counter flow heat exchanger
- Accepts 100mm or 125mm diameter ducting, no adaptors required
- Intelligent frost protection
- ISO Coarse 55% (G3) filters as standard, ISO Coarse 60% (G4) as an option
- Fully adjustable boost overrun timer 0-60 minutes; can be used with non-latching (momentary) switches to prevent unit from being accidentally left in boost mode
- Setback facility to reduce ventilation where local regulations allow
- Intelligent Summer Bypass and humidity controls
- Volt free switching control
- Intelligent controller, quick and easy to commission
- Lightweight for easy handling
- Re-usable plastic filter frames
- Quick fix mounting bracket
- Patented
- Independent fan adjustment
- SUMMERboost® facility
- Effective in reducing pollutants in the home and improving Indoor Air Quality (IAQ), therefore reducing the risk of Toxic Home Syndrome

Eco HMBE Models:

- Compatible with auralite® status indicator

Eco BE Models:

- Compatible with Eco-aura range; aurastat® auramode® and aura-t™ controllers and auralite® (TP519) status indicator.
- Duct heater control (requires independent power supply)
- Available in left and right handed configurations
- BMS compatible via RS485



Heat
Water vapour
Gases and contaminants
Odours

Product Codes

HRV1.35 Q Plus HMB Eco Enthalpy auralite® ready -
TP408HMBE - Energy Rating A

HRV1.35 Q Plus B Eco Enthalpy
 Eco-aura controls ready -
TP418BE/LH (left hand config) or
TP418BE/RH (right hand config) - Energy Rating A

Filters (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).

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 430mm high
 (excluding ports) x 285mm deep (295mm with
 mounting bracket)

Weight: 18kg

Finish: White Paint

Materials:

Housing: Zintec sheet steel housing, powder coated
 white

Internals: Expanded polypropylene (EPP)

Heat exchanger: Selective polymer membrane film

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)

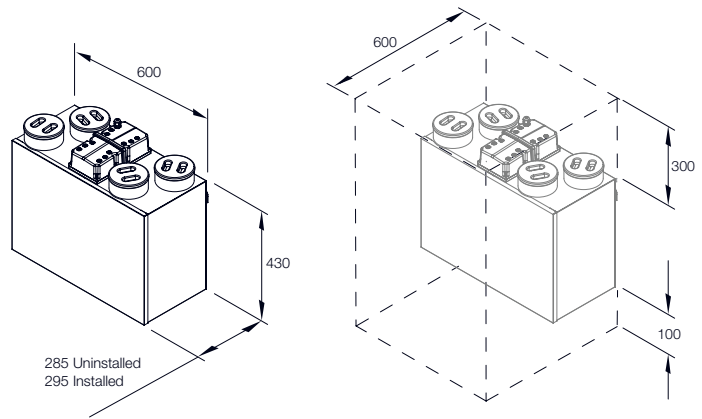
Electrical: 230V ~ 50/60Hz, 3A fuse

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 available online
www.titon.co.uk/acoustics

Drawing & Dimensions



Heat Cell

Technical Data

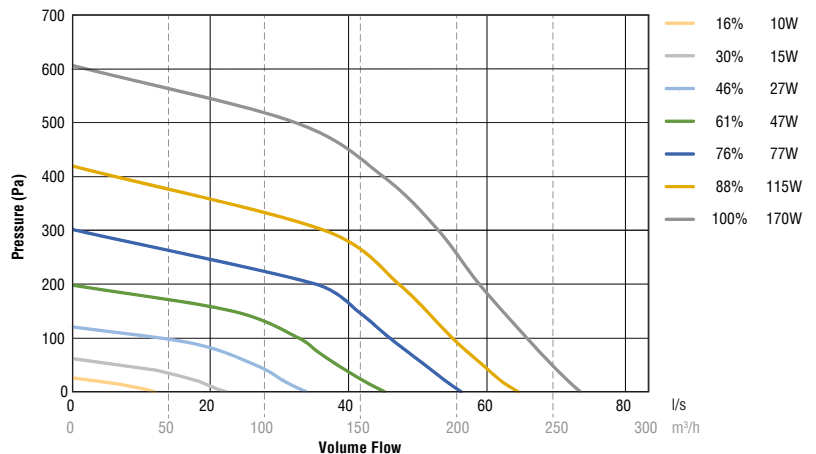
(Typical conditions at 140m³/h)

- Heat change rate 80 %
- Degree of moisture change 70 %
- Leakage at 100 Pa < 1 %
- Temperature stability - 25°C
 up to 65°C

Features & Benefits

- No transfer of gases or pollutants
 - only heat and steam are
 transferred by the membrane
- Long life cycle - permanent
 transmission parameters
- Minimum leakage
- Optimum flow behaviour, low
 pressure loss
- Frost- and heat-proof
- High, sensitive and latent
 transmission rate
- Antimicrobial (Microban® -
 integrated hygiene protection)
- Can be cleaned using water
- European manufactured heat cell

Nominal fan performance



Acoustic Data

Product	Airflow	dB(A) @ 3m Hemispherical			dB(A) @ 3m Spherical
		Induct Inlet	Induct Outlet	Casing Breakout	Casing Breakout
HRV1.35 Q Plus Eco	22l/s @ 12Pa	28	39	19	16
	39l/s @ 38Pa	40	52	29	26
	60l/s @ 100Pa	47	61	36	33