

HRV1.25 Q Plus

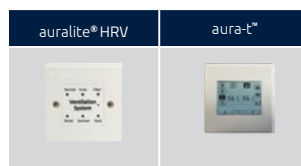
Ultra energy efficient Heat Recovery Ventilation unit

For use in small to medium sized dwellings

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 heat exchanger, the HRV1.25 Q Plus is specifically designed to enhance 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.

Recognised and listed in the UK Product Characteristics Database and includes intelligent humidity options through controller options.



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 158l/s (568 m³/h) at 100 Pa
- Accepts 125mm diameter 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
- 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
- IP32 rating
- On board aura-t™ option
- Patented features and design
- Independent fan adjustment
- Intelligent controller, quick and easy to commission
- Effective in reducing pollutants in the home and improving Indoor Air Quality (IAQ), therefore reducing the risk of Toxic Home Syndrome

Basic version:

- Summer Mode

Eco Versions:

- Intelligent Summer Bypass & humidity controls
- SUMMERboost® facility
- Available in left and right handed configurations

Eco HMB Models:

- Compatible with auralite® HRV (TP518) status indicator and aura-t™ controller
- Fitted with removable filter covers on the front panel
- Standard - Volt free switching control
- Optional - Switch live control available with via Relay (TP505)

Eco B Models:

- Compatible with Eco-aura range; aurastat®, auramode® and aura-t™ controllers and auralite® HRV (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)
- Standard - Volt Free switching and switch live control

Product Codes

HRV1.25 Q Plus -
TP406A - Energy Rating A

HRV1.25 Q Plus HMB Eco auralite® & aura-t™ ready -
TP406HMB/544 (left hand config) or
TP406HMB/RH (right hand config) - Energy Rating A

HRV1.25 Q Plus B Eco-aura controls ready -
TP416B/LH (left hand config) or
TP416B/RH (right hand config) - Energy Rating A

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 and UKCA 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)

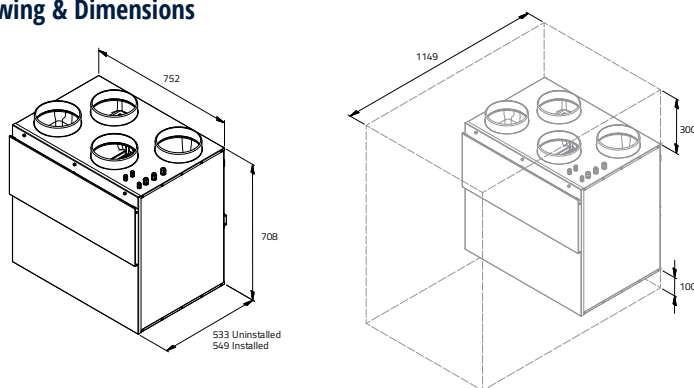
Electrical: 230V ~ 50/60Hz, 3A fuse

Installation: To be installed accordance with the relevant
and applicable building regulations.

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

Acoustics: Full acoustic data available online
www.titon.com/acoustics.

Drawing & Dimensions



Dimensions in mm

Performance

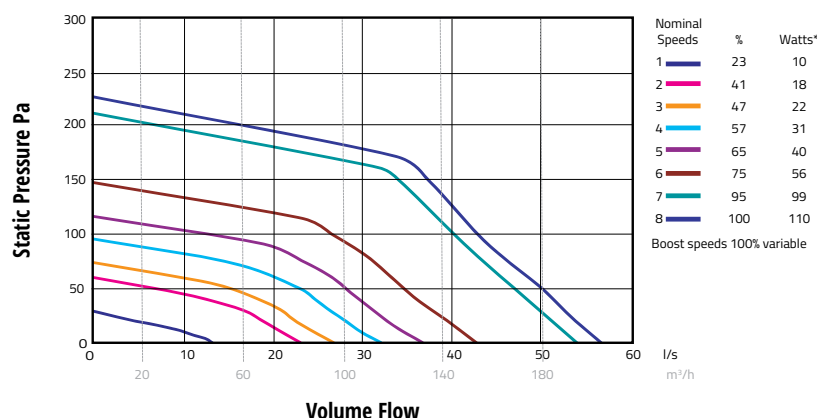
The figures and compliance levels below relate to current SAP requirements. Revised
SAP guidance will have an effect on performance and up-to-date figures can be found on
the relevant product page at www.titon.com.

Exhaust terminal configuration*	Fan speed setting	SFP (W/l/s)	Heat exchange efficiency (%)	SFP (W/l/s)	Heat exchange efficiency (%)
		2009		2012	
Kitchen + 1 additional wet room	100% variable	0.59	88%	0.68	87%
Kitchen + 2 additional wet rooms	100% variable	0.67	87%	0.9	85%
Kitchen + 3 additional wet rooms	100% variable	0.82	85%	1.21	84%
Kitchen + 4 additional wet rooms	100% variable	1.04	84%	-	-

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.

Nominal Fan Performance



*@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
HRV1.25 Q Plus	40%	22l/s @ 10Pa	28	41	20	17
	61%	34l/s @ 23Pa	36	49	28	25
	100%	56l/s @ 50Pa	43	57	36	33

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