

HRV1 Q Plus

Highly Energy Efficient Heat Recovery Ventilation Unit



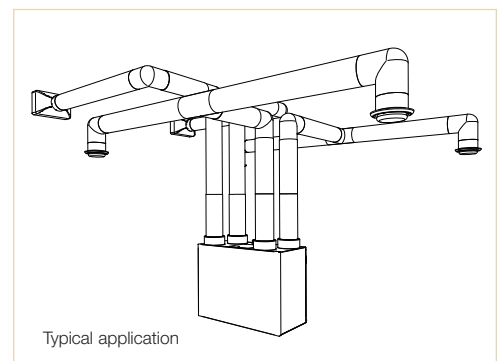
Primarily for use in dwellings with three wet rooms or fewer

The revolutionary compact HRV1 Q Plus whole house ventilation unit, independently tested by the BRE and shown to be EST Best Practice compliant, is a unique heat recovery ventilation unit. The HRV1 Q Plus gives cutting edge performance usually only associated with much larger and more costly products.

The combination of very low power consumption and a highly efficient heat exchanger is specifically designed and manufactured to enhance SAP performance via Appendix Q of Part L, yet small enough to be easily incorporated into apartments and houses where space is at a premium.

Features & Benefits

- Compact – unit is very small and can be fitted in airing cupboards as well as loft spaces.
- Very low power consumption
- Highly efficient heat exchanger – reclaims up to 98% of the expelled warm air flowing through the heat exchanger core (and up to 91% heat recovery after ducting to living areas and rooms). Extremely efficient for its size.
- Independently SAP Q tested by the BRE
- EST Best Practice compliant – assists in achieving high dwelling energy efficiency ratings.
- Easy installation with quick fix mounting bracket.
- Standard 15mm condensate drain connection.
- Quick commissioning facility with 5 or 10 minute boost delay.
- Full commission facility for ultimate efficiency with 5, 10 15 or 20 minute boost delay.
- Ports accept 100mm or 125mm diameter ducting, no adaptors required.
- Frost protection.
- Versatile energy saving boost control with adjustable over-run timer, when used with non-latching (momentary) switch unit cannot be accidentally left in boost mode.
- Demand Control Ventilation ready.
- Lightweight, 16kg – saves transit/handling costs and installation time.
- Full range of ducting and ancillaries available.
- Patent applied for.



Description

Titon HRV1 Q Plus whole house central mechanical supply and extract unit with heat exchanger.

Product Code

TP400

Standards

Conforms to requirements of UK statutory Building Regulations and Technical Standards for Ventilation. SAP Appendix Q tested (www.sap-appendixq.org.uk). 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
Filters: Grade G3 synthetic filters, flame resistance to BS5588

Guarantee period: 3 years

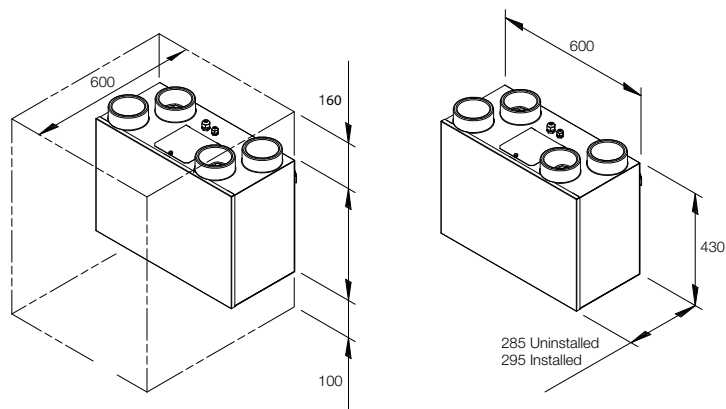
Electrical: 230V 50Hz

Installation: Install in accordance with Residential Ventilation Association Good Practice recommendations - details on request.

Maintenance: Annual Service and filter change recommended. Uses long life washable grade G3 filters.



Details



Performance

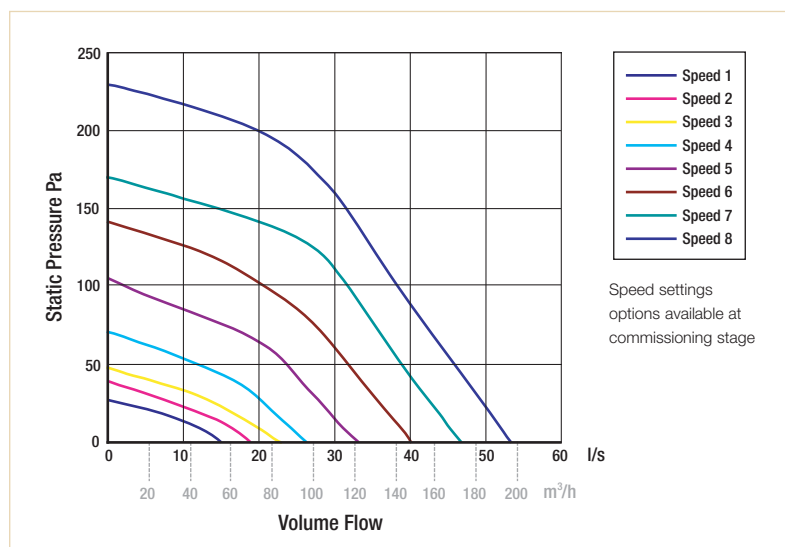
Exhaust terminal configuration*	Fan speed setting	Specific fan power (W/l/s)	Heat exchange efficiency (%)	Energy Saving Trust Best Practice Performance Compliant
Kitchen + 1 additional wet room	100% variable	0.70	91	Yes
Kitchen + 2 additional wet rooms	100% variable	0.70	89	Yes
Kitchen + 3 additional wet rooms	100% variable	0.72	89	Yes
Kitchen + 4 additional wet rooms	100% variable		88	Yes
Kitchen + 5 additional wet rooms	100% variable	0.99	87	Yes

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

Noise Performance - details on request

Nominal Fan Performance



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