

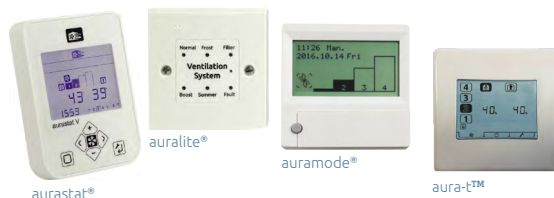


For use in large dwellings

The new HRV20 HE Q Plus continuously running whole-house ventilation unit with heat recovery has been specifically designed to expand Titon's current HRV range by offering airflows of up to 178 l/s (640 m³/h).

Combining extremely low power consumption and a highly efficient heat exchanger (up to 92%) specifically designed to enhance SAP performance via Appendix Q and can be incorporated into larger apartments or dwellings.

Offering 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 and aura-t™ controller (HMB and B models) or the auramode® or aurastat® controllers (B models only).



Features & Benefits

- Highly versatile compact unit
- Extremely low Specific Fan Power of 0.48 W/l/s
- Highly efficient heat exchanger; up to 92%
- Airflow up to 178 l/s (640m³/h) at 100 Pa
- Accepts 200mm diameter ducting
- Intelligent frost protection, stepped reduction of supply air rates prevents HRV unit from freezing
- ISO Coarse 65% (G4) bypass filter set fitted as standard. ISO Coarse 65% (G4)/ISO ePM1 75% (F7) available on request.
- Fully adjustable boost overrun timer 0-60 minutes; can be used with non-latching (momentary) switch to prevent unit from being accidentally left in boost mode
- Volt free switching control
- Intelligent controller, quick and easy to commission
- On board aura-t™ capabilities
- Quick fix mounting bracket
- 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

Eco Versions:

- Intelligent Summer Bypass & humidity controls
- SUMMERboost® facility

Eco HMB Models:

- Fitted with aura-t™ controller on board as standard

Eco B Models:

- Compatible with Eco-aura range; aurastat®, auramode® and aura-t™ controllers and auralite® (TP519) status indicator

Product Codes

HRV20 HE *Q Plus* HMB Eco auralite® & aura-L™ ready -
TP652HMB/544 - (left hand config) or
TP652HMB/RH - (right hand config) Energy Rating A

HRV20 HE *Q Plus* B Eco-aura controls ready -
TP653B/LH (left hand config) or
TP653B/RH (right hand config) Energy Rating A+

Filters:

XP2010561 - ISO Coarse 65% (G4) bypass filter set fitted as standard.

XP2010929 - ISO Coarse 65% (G4)/ISO ePM1 75% (F7) 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: HRV20 HE *Q Plus* - 752mm wide x 708mm high (excluding ports) x 533mm deep (549mm with mounting bracket).

Weight: 46kg.

Finish: White Paint.

Materials: Zintec sheet steel, powder coated.

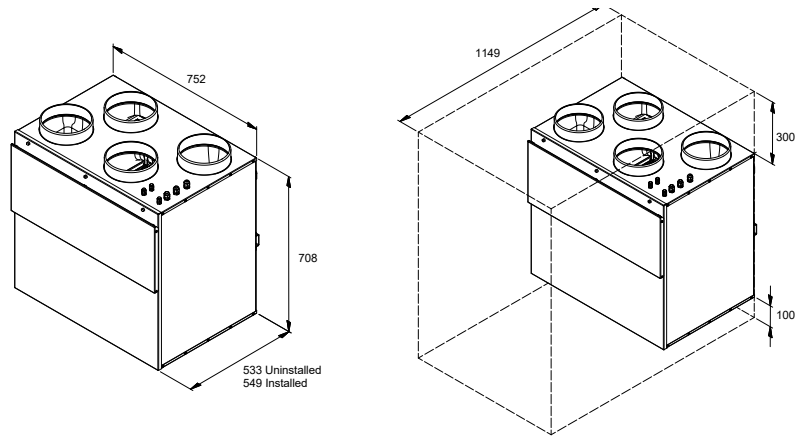
Guarantee period: 3 years (UK only).

Electrical: 230V ~ 50/60Hz, 5A 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.

Drawing & Dimensions



Performance

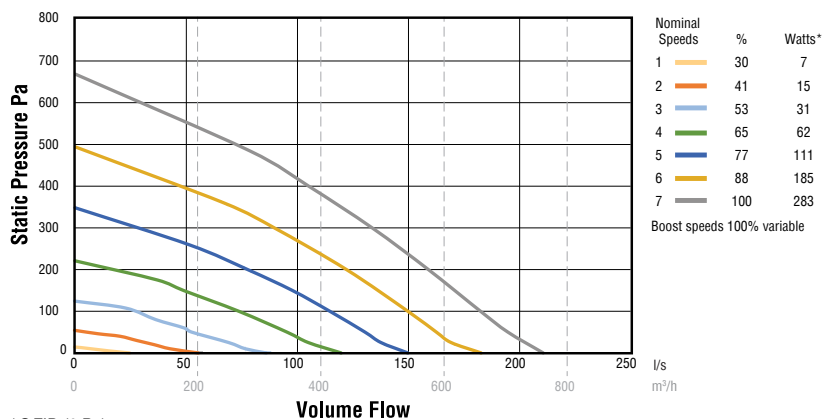
The figures and compliance levels below relate to current SAP requirements. Revised SAP guidance will have an effect on performance and up-to-date figures can be found on the relevant product page at www.titon.com.

Exhaust terminal configuration*	Fan speed setting	Specific fan power (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet room	100% variable	0.52	92
Kitchen + 2 additional wet rooms	100% variable	0.48	91
Kitchen + 3 additional wet rooms	100% variable	0.48	91
Kitchen + 4 additional wet rooms	100% variable	0.53	90
Kitchen + 5 additional wet rooms	100% variable	0.58	90
Kitchen + 6 additional wet rooms	100% variable	0.66	90
Kitchen + 7 additional wet rooms	100% variable	0.76	89

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).

All units offer 100% variable speed control.

Acoustic Data

Product	% of Max flow	Airflow	dB(A) @ 3m Hemispherical			dB(A) @ 3m Spherical
			Induct Inlet	Induct Outlet	Casing Breakout	Casing Breakout
HRV20 HE <i>Q Plus</i> Eco	65%	72l/s @ 18Pa	33	43	27	24
	65%	116l/s @ 51Pa	46	58	42	39
	100%	170l/s @ 100Pa	57	70	49	46

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.