

HRV

1.6 Q Plus

MVHR

Medium/large sized dwellings



Description

HRV1.6 Q Plus

Product Codes

HMB - **TP409HMB**

HMB Eco auralite® Indicator - **TP409HMB_LT**
(onboard indicator)

aura-t™ - **TP539** (HMB models only)

B2 - **TP419B2**

B2 aura-t™ control - **TP419B2_T**
(onboard controller)

aura-t™ - **TP726/EU** (B2 models only)

aura-t™ SMART (WiFi) - **TP746/EU** (B2 models only)

Filters

ISO Coarse 55% (G3) filters - **XP2011902**
fitted as standard

ISO Coarse 60% (G4) filters - **XP2011903**
spares only

Standards

Conforms to requirements of UK statutory Building Regulations and Technical Standards for Ventilation.

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.

Features

- Extremely low Specific Fan Power; down to 0.49 W/l/s
- Highly efficient heat exchanger; up to 89%
- Airflow up to 100l/s (359 m³/h) at 100 Pa
- Accepts 125mm diameter ducting, no adaptors required

HMB and B2 Models

- IP32 rating
- Boost Overrun Timer
- Boost Inhibit
- Internal Humidity Sensor
- Filter Change Alert
- Four Fan Speeds
- SUMMERboost®
- Summer Bypass
- Volt Free Switch Inputs (x3)

- Frost Protection Program
- Multiple Internal Temperature Sensors
- Left or right handing onsite option available (delivered as LH as standard)
- On-Board and Off-Board Control Options (please refer to controls product page for more information)

B2 Models (only)

- Dwelling Supply Air Comfort Control (reduces the amount of cold air being supplied to dwelling)
- Dwelling Supply/Extract Protection
- Balanced Frost Protection
- Live Switch Inputs (x2)

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:

3 years (UK only)

Electrical:

230V ~ 50/60Hz, 3A fuse

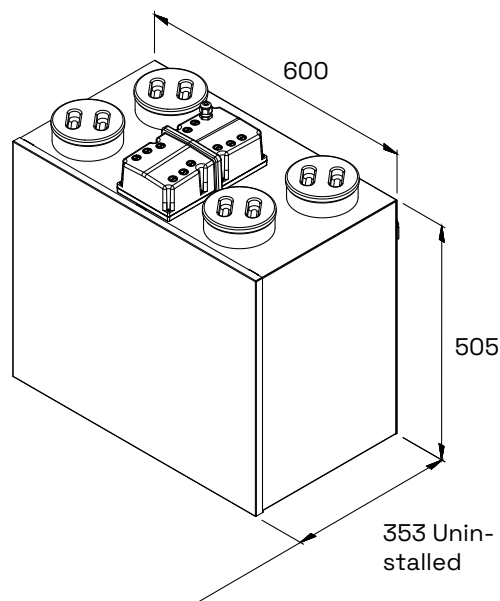
Installation:

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

Maintenance:

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

Drawing & Dimensions



Dimensions in mm

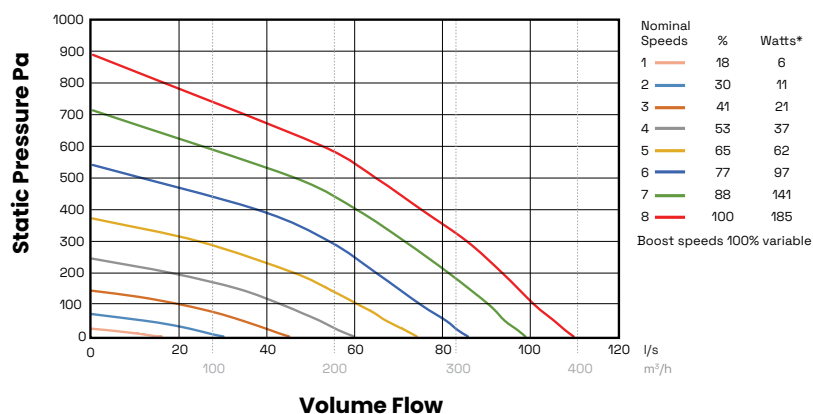
Performance

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	2009		2012/10	
		SFP (W/l/s)	Heat exchange efficiency (%)	SFP (W/l/s)	Heat exchange efficiency (%)
Kitchen + 1 additional wet room	100% variable	0.49	89%	0.51	89%
Kitchen + 2 additional wet rooms	100% variable	0.49	89%	0.58	87%
Kitchen + 3 additional wet rooms	100% variable	0.53	87%	0.7	86%
Kitchen + 4 additional wet rooms	100% variable	0.63	86%	0.9	84%
Kitchen + 5 additional wet rooms	100% variable	0.75	85%	1.07	83%
Kitchen + 6 additional wet rooms	100% variable	0.87	84%	1.34	82%
Kitchen + 7 additional wet rooms	100% variable	1.03	83%	-	-

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.



*@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
HRV1.6 Q Plus	41%	44l/s @ 17Pa	33	42	18	15
	65%	71l/s @ 45Pa	44	50	30	27
	100%	98l/s @ 100Pa	54	63	43	40

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.