



For use in large dwellings

Suitable for larger dwellings, the HRV3 Q AR Plus continuously running whole-house ventilation unit with heat recovery is independently tested by the BRE. The HRV3 Q AR 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 to enhance performance, yet small enough to be easily incorporated into medium sized dwellings.

The Eco constant volume flow fans version offers a 100% airflow diverting Summer Bypass, recognised and listed in the epbd.be database. They also include intelligent humidity options and available with either aura-t™ (wifi) or auramode® controllers.



auramode®



aura-t™ SMART (WiFi)

Constant Flow Controllers

Features & Benefits

- Constant volume fans
- Highly efficient heat exchanger; up to 90%
- Intelligent controller, quick and easy to commission
- Fully adjustable boost overrun timer 0- 60 minutes; use with nonlatching (momentary) switches to prevent unit from being accidentally left in boost mode
- Accepts 150mm diameter ducting, no adaptors required
- Intelligent frost protection, stepped reduction of supply air rates prevents HRV unit from freezing
- Setback facility to reduce ventilation where local regulations allow
- Lightweight for easy handling
- Volt free switching control
- G4 filters as standard
- Re-usable plastic filter frames
- Quick fix mounting bracket
- IP32 rating
- Patented
- Independent fan adjustment
- Effective in reducing pollutants in the home and improving Indoor Air Quality (IAQ), therefore reducing
- Intelligent Summer Bypass & humidity controls
- SUMMERboost® facility
- Available with aura-t™ (wifi) or auramode® controllers
- Duct heater control (requires independent power supply)
- Available in left and right handed configurations
- BMS compatible via RS485

Product Codes

HRV3 Q AR *Plus* B Eco-Aura controls ready -
TP412BAR/BEL LH (left hand config) or
TP412BAR/BEL RH (right hand config) -
 Energy Rating A

XP52422 - Auramode Constant Flow Controller
 or **TP737** - aura-t™ SMART (WiFi) (BAR m³/h)
 Controller

Filters:

Eco versions:

XP46133/099 - G4 Filters available on request

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: 715mm wide x 490mm high
 (excluding ports) x 415mm deep (426mm with
 mounting bracket)

Weight: 24.5kg

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 G4 synthetic filters.

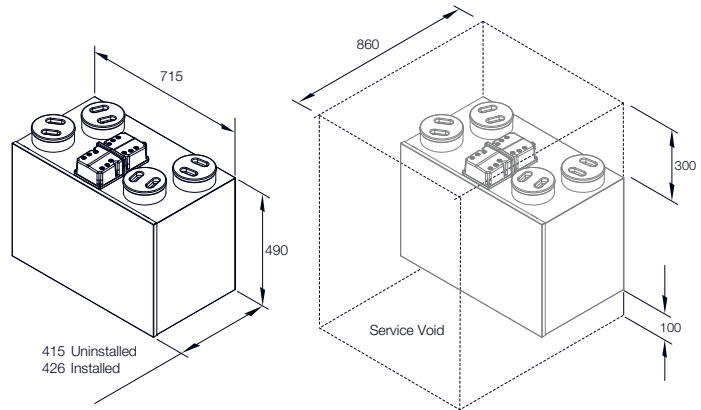
Guarantee period: 1 years

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

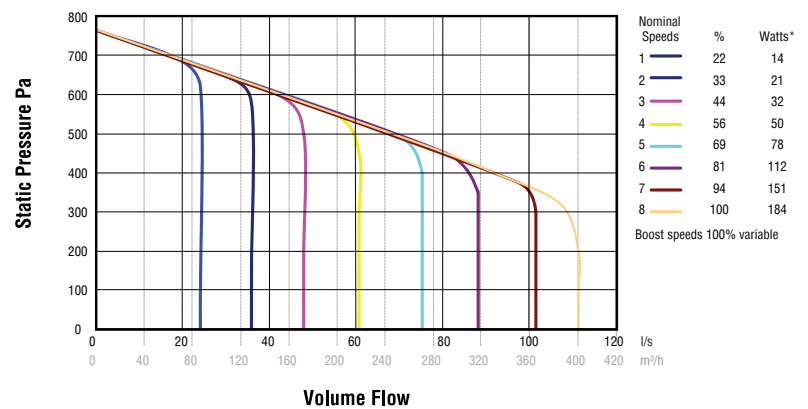
Installation: Install in accordance with
 regulatory requirements, such as the Domestic
 Ventilation Compliance Guide (England & Wales)
 and the Residential Ventilation Association
 recommendations.

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

Drawing & Dimensions



Nominal fan performance



* @ FID (0 Pa).
 All units offer 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
HRV3 Q AR <i>Plus</i> Eco	33%	36l/s @ 10Pa	25	35	21	18
	68%	73l/s @ 48Pa	36	49	29	26
	100%	104l/s @ 100Pa	45	57	37	34

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



For use with Titon HRV Q Plus B Model Range

aura-t™ SMART (WiFi) (BAR m³/h) is a simple yet striking touchscreen controller for programming, commissioning and occupancy control for Titon's HRV3 AR (constant flow with display in m³/h).

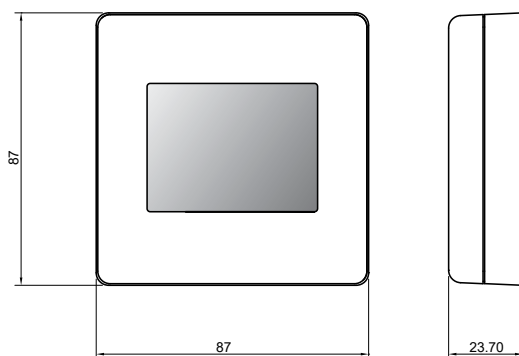
The aura-t™ SMART (WiFi) (BAR m³/h) controller allows straightforward operation of ventilation speeds. Offering WiFi connection via Titon's auraSMART® app available via Android or iOS mobile devices. Please note that the commissioning settings in the App will only display in percentage speed, the aura-t™ SMART (WiFi) (BAR m³/h) display should be used for actual flow rates.

aura-t™ SMART (WiFi) (BAR m³/h) provides the following functions:

- Compatible with auraSMART® app
- WiFi connection
- Digital 4 speed switch
- Auto timed speed mode
- 7-day, 4 events per day programmable Speed 1 timer
- Filter change indicator
- Internal MVHR humidity set point adjustment
- Boost inhibit functions linked to timed Speed 1 (avoiding night time boosting via either switch inputs or humidity)

aura-t™ SMART (WiFi) (BAR m³/h) is an icon based rather than language specific controller.

Drawing and Dimensions



Dimensions in mm

Features & Benefits

- Simple user friendly interface
- WiFi connection
- Compatible with auraSMART® app
- Compact sleek design
- 4 speed manual control (OFF feature)
- 7 day programmable automatic Speed 1 timer
- Real-time fan commissioning for all speeds
- Filter change alert indicator
- Internal humidity threshold adjustment
- Kitchen & wet room boost overrun time adjustment
- Programmable boost inhibit
- Switch configuration menu
- Time and day display
- Backlight with automatic dimming
- Real-time indication of HRV status and operating mode
- Optional passcode protected commissioning and setup screens
- Summer bypass configuration menu
- 8 hour time out for manual operation
- Fan failure indication
- Fan speed cloning - copy settings from one to another
- Compatible from software version FW0027-0206 onwards circa. June 2016

Description

Titon's aura-t™ SMART (WiFi) (BAR m³/h) is for commissioning and monitoring a Titon TP***B HRV Q Plus unit.

Product Code

aura-t™ SMART (WiFi) (BAR m³/h) - **TP737**

Specification

Dimensions: 87mm wide x 87mm high x 24mm deep supplied with 3 metre connection cable.

Weight: 185g

Finish: High gloss finish

Materials: ABS

Guarantee period: 1 year

Electrical: 12V DC