

HRV3 Q AR Plus Eco

Ultra energy efficient Heat Recovery Ventilation unit

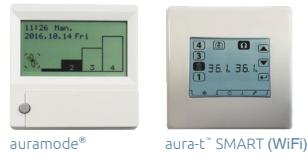


For use in large dwellings

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.



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

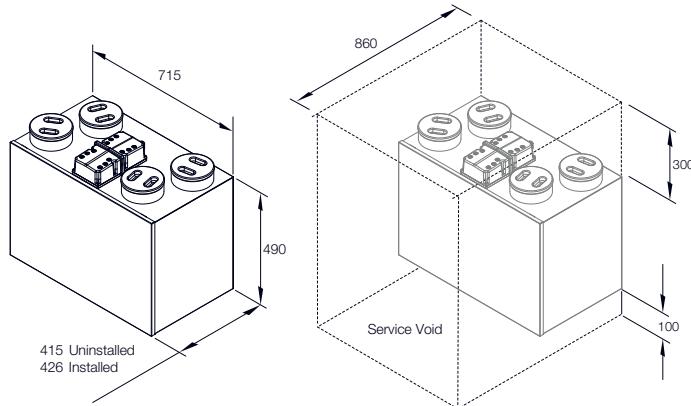
XP52422 - Auramode Constant Flow Controller or **TP737** - aura-t™ SMART (WiFi) (BAR m³/h) Controller

Filters:

Eco versions:

XP46133/099 - G4 Filters available on request

Drawing & Dimensions



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.

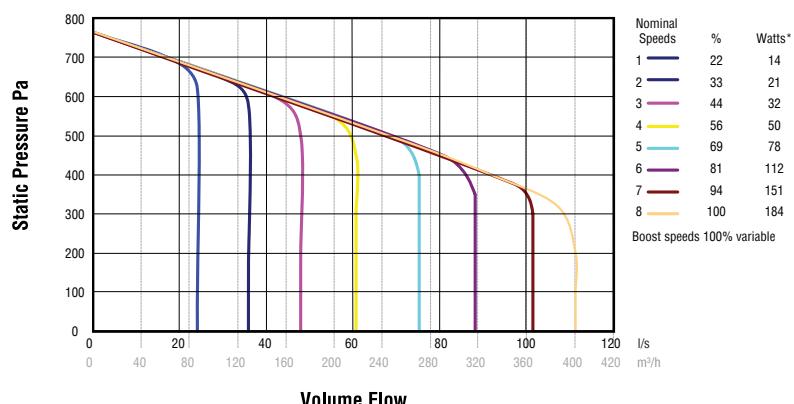
Guarantee period: 1 years

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.

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	
HRV3 Q AR Plus 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.

aura-t™ SMART (WiFi) (BAR m³/h)

HRV Q Plus Touch Screen WiFi Programmer



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).

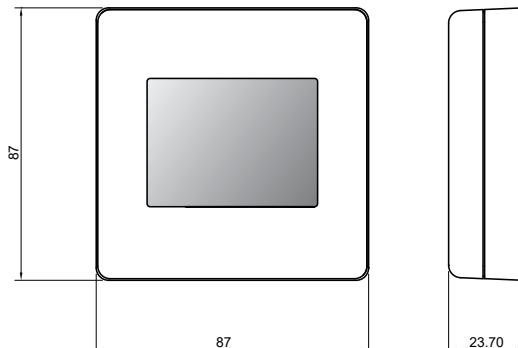
The aura-t™ SMART (WiFi) (BAR m³/h) controller allows straightforward operation of ventilation speeds. Offering WiFi connection via Titon's auraSMART® app available via Android or iOS mobile devices. Please note that the commissioning settings in the App will only display in percentage speed, the aura-t™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