Titon®



Social Housing

Total ventilation solutions for landlords and local authorities

www.titon.com

Ventilation - Social Housing RMI

OUR APPROACH

Meeting RMI challenges in social housing

Titon's reliable support, expert guidance, and high quality products make us the partner of choice for those looking to future-proof their existing social housing properties while complying with regulations.

At Titon, we understand the unique challenges faced by social housing providers engaged in Repair, Maintenance, and Improvement (RMI) projects. From seasonal issues like damp and mould to the operational shift required to address detailed, bespoke refurbishments, we deliver solutions that bridge the gap between large-scale new builds and the intricacies of RMI.

We are committed to delivering energy efficient solutions that comply with current standards and anticipate future needs. Our systems improve energy efficiency and reduce carbon footprints, and they also create healthier living environments by combatting home health hazards.

Titon's focus on ease of installation, minimal disruption, and reliable aftercare makes us a trusted RMI partner.

Associations & Local Authorities

Recognising the legal and operational complexities of social housing RMI, we collaborate with local authorities and housing associations to design and implement ventilation systems that meet the specific needs of refurbishment projects.

Our team provides logistical and operational support and technical expertise to streamline delivery and ensure compliance.

Contractors

Our contractor-focused approach delivers robust technical support, detailed product specifications, and tailored ventilation solutions that prioritise practical, cost-effective installations with minimal resident disruption.

We help mitigate the operational complexity and logistical hurdles contractors commonly face in the RMI sector.

Ventilation - Social Housing for New Builds

OUR APPROACH

Reliable and compliant ventilation for social housing

We understand the challenges of the Social Housing sector, including the need for durable, low maintenance solutions. Our extensive product range ensures that every project finds a tailored solution.

With a legacy of expertise and a commitment to improving indoor air quality, we collaborate seamlessly with developers, architects, consultants and contractors to design and implement state-of-the-art ventilation systems.

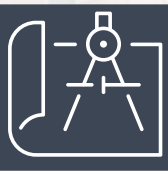
Our systems are designed to integrate effortlessly into new social housing builds, offering energy-efficient operation that reduces carbon footprints and meets stringent environmental standards. Working closely with project stakeholders, we ensure that each installation is optimised for performance, reliability, cost, and ease of use.

Developers



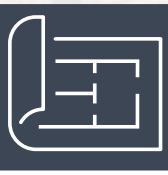
At Titon, our focus extends beyond providing products; we deliver a partnership grounded in technical support, compliance expertise and aftercare.

Architects & Consultants



Our team collaborates with architects and consultants from the early design phase through installation and commissioning, ensuring that every system is precisely configured for the building's requirements.

Contractors



With Titon, contractors gain a trusted partner dedicated to creating healthier, more sustainable living environments for residents while supporting the construction of high quality, future ready social housing.

Titon offers expert support and guidance



Bid support

Winning social housing tenders requires strong technical backing.

We work with you to define the project scope in line with the bid requirements and provide guidance on product specifications, regulatory considerations, cost optimisation, and delivery strategies.

We provide pre-construction bid support to help contractors define cost-effective, compliant ventilation solutions.

Our team assists with product selection guidance, SAP calculations and ventilation compliance strategies, and detailed technical documentation for bid-winning submissions.

Single point of contact

With Titon, you receive a single point of contact who oversees every stage of your project, from specification through to delivery and aftercare.

Your dedicated expert ensures clear communication and coordination between all stakeholders, efficient order management to align with build schedules, and timely product delivery to avoid delays.

Commissioning

Integral to regulatory compliance and peace of mind, we provide dedicated commissioning support to ensure all our products perform as intended and meet the required criteria and standards.

From initial set-up to final checks, our commissioning support enables thorough troubleshooting, clear onsite coordination, and a smooth handover, giving you the confidence that the products operate as designed.

Onsite technical support

By partnering with Titon, you gain access to industry-leading products and decades of experience in social housing ventilation.

Our expert team is on hand to offer guidance and technical support throughout the project lifecycle, from initial strategy discussions to onsite installations, ensuring your new social housing build is correctly equipped with the best ventilation system for its needs.

Putting our clients and customers first

Customer service

Titon is your trusted partner for cost-effective, compliant, and sustainable mechanical ventilation solutions that improve housing conditions and meet government retrofit targets.

We are committed to supporting social housing projects with project and order management to ensure timely deliveries and compliance with phased build schedules.

Beyond delivery, we provide ongoing technical support and maintenance guidance to ensure long-term product performance and CPD-accredited training to keep your team up to date with ventilation best practices.



Quality testing

We understand the importance of ensuring ventilation systems meet modern performance standards in existing homes.

Our solutions are designed for long-term energy efficiency, independently tested to ensure compliance, optimised for SAP assessments and proven to improve indoor air quality.

Whether upgrading extract fans, MEV, PIV or MVHR systems, our high-performance solutions are engineered to provide cost-effective, low-maintenance ventilation that enhances tenant well-being.

Free design services

We take a collaborative approach to ventilation systems design, ensuring your social housing projects meet compliance, efficiency, and cost goals.

Our in-house design experts work with CAD and Revit drawings and provide detailed mechanical ventilation system designs that incorporate tailored ventilation strategies aligned with project specifications and commissioning data for seamless installation and performance validation.

Delivering detailed ventilation designs that incorporate commissioning data, acoustic performance, and airflow calculations tailored to high occupancy dwellings.

We collaborate closely with housing associations, M&E consultants, and sustainability assessors to align with project requirements.



Titon Ultimate® (dMEV)



The Titon Ultimate® dMEV is a high-performance decentralised mechanical extract ventilation fan designed for continuous 24/7 use in bathrooms, kitchens, and utility rooms in both new build and refurbishment projects. It delivers up to 30 l/s airflow while maintaining low running costs through its brushless DC motor and low specific fan power.

The unit features a standard and a SELV version that has adjustable trickle, boost, and high-boost settings, optional humidity control and data logging, simple commissioning via an LED display, and pressure-sensing technology to maintain performance against back pressure. Its low profile design, SAP10 compliance, and focus on condensation and mould prevention make it especially suitable for residential and social housing applications.

Product Codes

TP642i - SELV version
TP642Hi - SELV Humidity Control
TP642HDi - SELV Humidity Control with Data Logging

TP640i - Basic version
TP640Hi - Humidity Control
TP640HDi - Humidity Control with Data Logging

Please note all products come with an IPx4 Kit*

Accessories

TP645/BR - Telescopic Wall Kit (Brown)
TP645/BE - Telescopic Wall Kit (Beige)
TP645/TC - Telescopic Wall Kit (Terracotta)
TP645/WH - Telescopic Wall Kit (White)
TP647 - Decorative Wall Plate
CFC100 - CFC Ceiling Fan Cuff
QSS310 - Quelstop Acrylic Sealant

Specification

Weight: 0.5Kg
Finish: Gloss White
Materials: ABS, PCBs, LED display & brushless motor
Controls: Onboard 4 button controls with 4 digit LED display
Electrical: 220-240 V ~ 50/60Hz

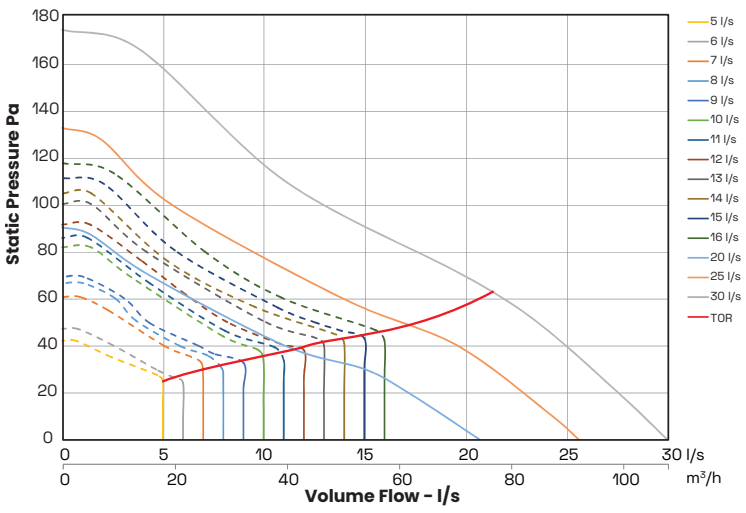
Standards

Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).
Air performance measured according to ISO 5801 at 230V 50Hz, air density 1,2 Kg/m³.
CE and UKCA marked

* To maintain the IPX4 rating when mounted, an IPX4 Kit must be used. This is supplied as standard with Titon Ultimate® dMEV fans.

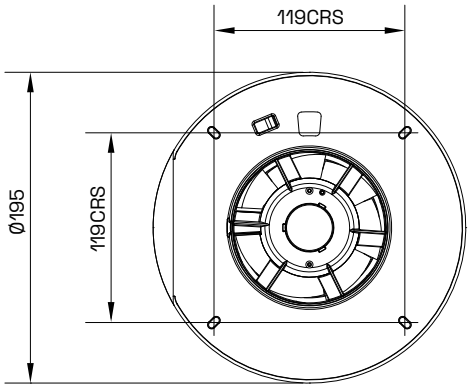
Performance

The results detailed below have been determined from independent laboratory testing performed in accordance with the SAP 10.2 dMEV. Tests were performed with rigid ducting.

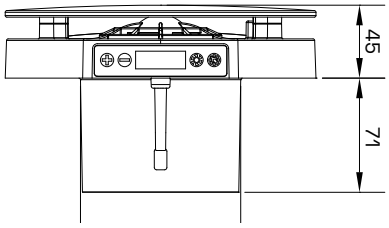


Figures taken from the BRE Test Results. Tests were performed with rigid ducting.

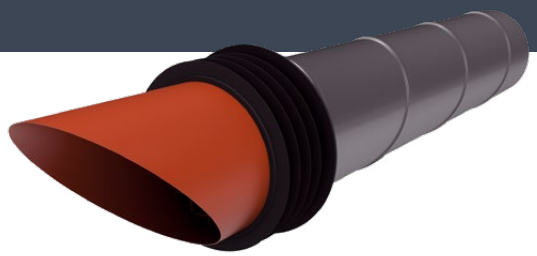
Drawings



CRS - Fixing Holes



A1-Rated Titon FireSafe® 100mm Push Through Wall Kit



The A1 Titon FireSafe® 100mm Push Through Wall Kit is an A1 fire-rated circular wall terminal and ducting kit designed for powered residential ventilation systems, combining low airflow resistance with high fire resistance to meet UK Approved Document B.

Made from non-combustible galvanised sheet steel with an A2-s1,d0 polyester powder-coated finish, it is intended for new-build, refurbishment, and social housing projects, particularly where condensation and mould control are important. The kit is installed from inside the property, creates a sealed connection to the external wall, can be cut to suit different wall thicknesses, and is compatible with Titon's Ultimate® dMEV and other 100mm MEV fans. Its corrosion-resistant construction, compliance with BS EN standards, and award-winning design make it a durable and safety-focused alternative to traditional plastic wall terminals.

Product Code

TA425 - Titon FireSafe® 100mm Push Through Wall Kit

Specification

Materials:
Hot Dipped Galvanised Steel

Paint:
Powder Coated (A2-s1, d0 classification to EN 13501-1)

Rubber Gasket:
Thermoplastic Elastomer (TPE)

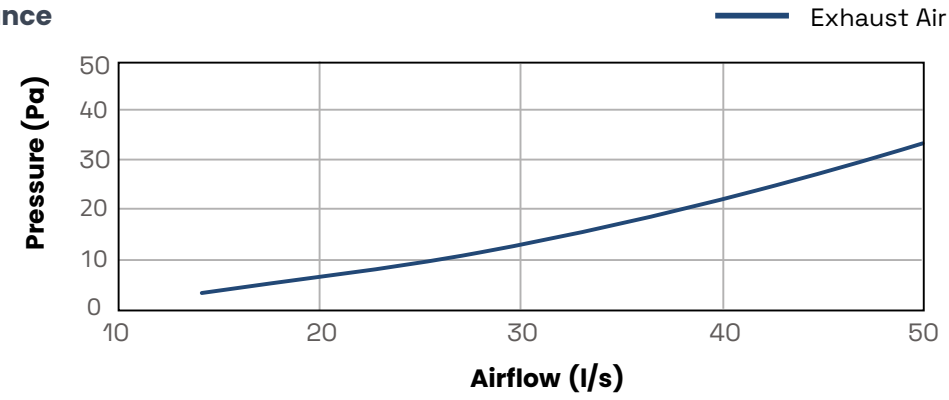
Finishes

Terracotta and White*
Colour Reference (add to end of part number)
/086 - Terracotta (Matt RAL 8004)
/151 - White (Matt RAL 9010)
*Terminal only (excluding A1 ducting)

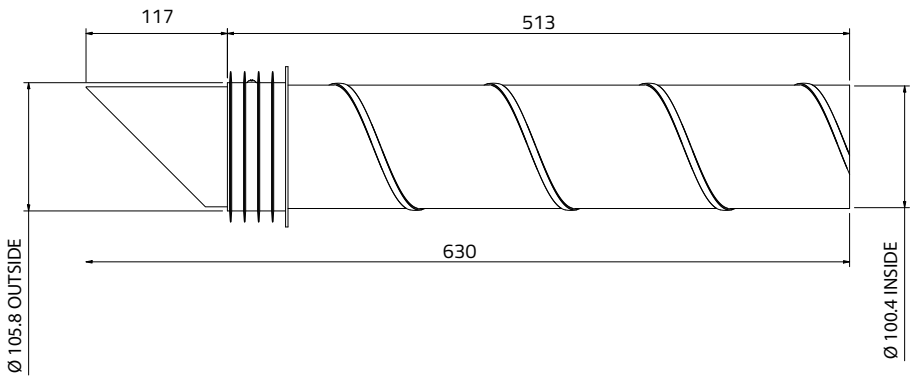
Other colours available on request.

Free Area:
AA0 = 6174 mm²

Performance



Drawing



Sonair 3



The Sonair 3 is a wall mounted acoustic input ventilation unit designed to provide fresh, filtered air while significantly reducing external noise entering the home, making it particularly suitable for properties near busy roads, railways, or urban environments. Installed through an external wall, the unit delivers mechanical supply ventilation with airflow rates from 20–150m³/h and offers exceptional sound attenuation of up to 58dB when used with the optional acoustic duct.

It features low energy operation, a discreet modern design, 10 adjustable ventilation settings controlled via a detachable remote control with LED indicator, and integrated air filtration using a G4/ ISO Coarse 60% filter to help reduce dust, pollen, and pollutants. When switched off, it still provides controllable background trickle ventilation, helping to improve indoor air quality, reduce condensation and maintain occupant comfort in residential applications.

Product Codes

352004 - Sonair 3 including G4/ISO Coarse 60%

535083 - Filter (G4/ISO Coarse 60%)
110361 - Sound Insulating Tube D100
100mm dia (non-sound insulating) duct
8960105 - 350mm long
8960097 - White external grille
8960102 - Brown external grille
8960103 - Beige external grille
535110 - Sonair 3 Remote Controller
All items supplied separately

Specification

Material: Plastic ABS white RAL 9003
Voltage: 220-240V/50 Hz
Energy Consumption: 0.5W at standby to 22.7W at max speed (150m³/h)
Ventilation Capacity: Max is 41.7l/s (150m³/h) with ISO Coarse 60%

Accessories

110361 - Sound Insulating Tube D100

Performance

Approximate input airflow rate (m³/h) – 20-150m³/h at 0 pa.
Acoustic Dn,e,w (+/-) – Dn,e,w (C;Ctr) 58(-1;-2)dB*

Background ventilation rate of 2400EA when the unit is switched off, recirculation flap closed and with the shutter open.

Dimensions

445 (H) x 340 (W) x 134 (D)

Sound Production

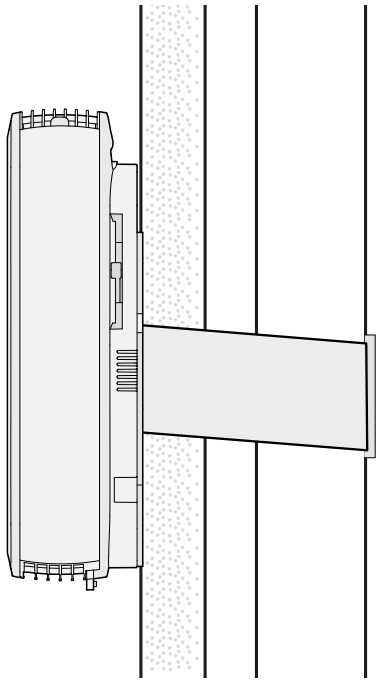
Sound pressure level, LpA; 10 m² according to ISO 3741.

Speed Setting	Approximate Capacity	Sonair 3
		G4/ISO Coarse 60%
1	20m³/h	<11.3
2	30m³/h	<11.8
3	40m³/h	<15.3
4	50m³/h	20.8
5	60m³/h	24.8
6	70m³/h	29.3
7	85m³/h	33.8
8	105m³/h	39.3
9	125m³/h	43.8
10	150m³/h	49
Sound Attenuation according to ISO 10140-2 and BS EN ISO 717-1**		
	Dn,e,w (C;Ctr)	58(-1;-2)dB*

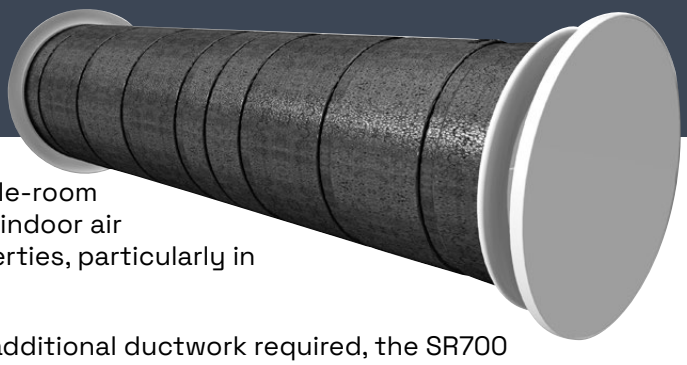
* Sound insulating tube D100 required

** Independently tested by the BRE to requirements of noise insulation regulation

Installation



SR700 – SRHR



The **SR700 Single Room HRU** is a decentralised single-room heat recovery ventilation unit designed to improve indoor air quality while reducing heat loss in residential properties, particularly in refurbishment and social housing applications.

Installed directly through an external wall with no additional ductwork required, the SR700 continuously extracts stale, moist air and replaces it with filtered fresh air that has been pre-warmed through a ceramic heat recovery cell, recovering up to 84–94% of otherwise wasted heat. The unit is designed for quiet, low-vibration operation and includes features such as sleep mode, manual and automatic intensive boost modes, cross-ventilation for summer cooling, optional humidity and CO_2 sensors, and compatibility with wall thicknesses from 305-700mm. Typically installed in pairs to provide balanced airflow, the SR700 helps combat condensation and mould growth.

Product Codes

SR700 - **TP600**
SRC1 (Control unit) - **TP590**
Replacement PM Coarse 55% (G3) filter - **XP2010311**
Replacement insect filter - **XP2010320**
Relative humidity (RH) sensor (flush mount) - **TP614**
Combined relative humidity (RH) and Carbon dioxide (CO_2) sensor (flush mount) - **TP616**
Volatile organic compound (VOC)/Air quality sensor (flush mount) - **TP617**

Weight: SR700 - 3Kg, SRC1 controller - 94g

Materials

Tube: Expanded polypropylene (EPP)
Components: White ABS plastic
Heat exchanger: Ceramic
Filters: Synthetic
Internal insulation: Closed cell foamed nitrile
Fascia plate: White Perspex
Electrical: 230V ~ 50/60Hz, 3A fuse

Installation

The Titon SRHRV Fan unit is designed to be mounted through a wall with a thickness between 305mm & 700mm.

Maintenance

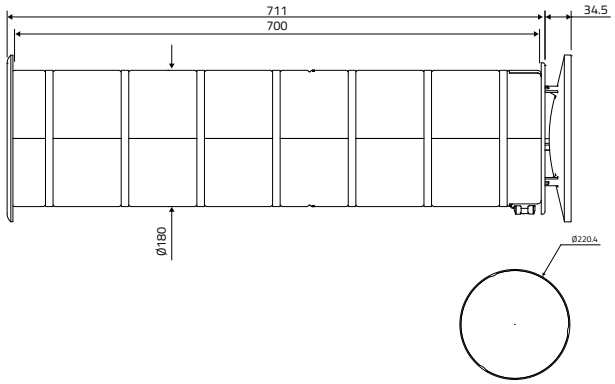
Easy to maintain. Routine service and filter clean/replacement are all that are normally required to keep the SRHRV System working efficiently. Subject to local environment - see product manual.

Performance

Fan Speed Setting	Airflow (m^3h)	dB(A) Max @ 3m Hemispherical	SFP (W/l/s) @0 pa
Fan Setting 1 (Large Dwelling)			
*Sleep Mode	6.5 or off	8/0	0.62
*Off	-	-	-
Humidity protection	6.5	8	0.62
Reduced	20	19	0.27
Nominal	40	32	0.22
Intensive	60	39	0.24
Fan Setting 2 (Small Dwelling)			
*Sleep Mode	6.5 or off	8/0	0.62
*Off	-	-	-
Humidity protection	6.5	8	0.64
Reduced	10	11	0.44
Nominal	17	18	0.3
Intensive	25	24	0.24

*Configurable option

Drawing



Acoustic Data

Airborne sound insulation. Rating according to: BS EN ISO 717-1:2013 & BS EN ISO 10140-2:2010	
Status	Dn,e,w (c;ctr)
Unit Open	34dB
Unit Closed	51dB

Positive Input Ventilation (PIV) Loft



Titon's **Positive Input Ventilation (PIV)** systems are designed to improve indoor air quality by continuously supplying filtered fresh air into homes to reduce condensation, damp, mould, and airborne pollutants.

The PIV L and PIV L3 units are aimed at retrofit or existing residential properties, especially homes with persistent moisture or ventilation issues.

The featured PIV systems emphasize low-energy operation, quiet performance, loft installation, and comfort features like intelligent heaters and remote controls for larger homes.

Product Codes

TP230 - Titon PIV L (up to 2 floors)

TP231 - Titon PIV L3 (up to 3 floors) with fire rated diffuser and remote control

Applications

Situated in a loft space, the unit delivers air to the central hallway or landing via a diffuser to maximise efficiency of airflow and aid in heat recovery from ceiling level. This provides displacement ventilation in order to improve air quality and resolve condensation related problems.

Specification

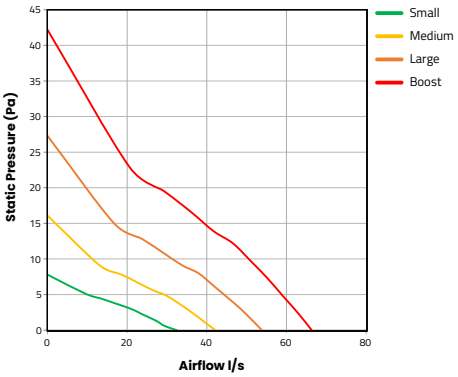
Construction: ABS plastic to contain at least 50% recycled material

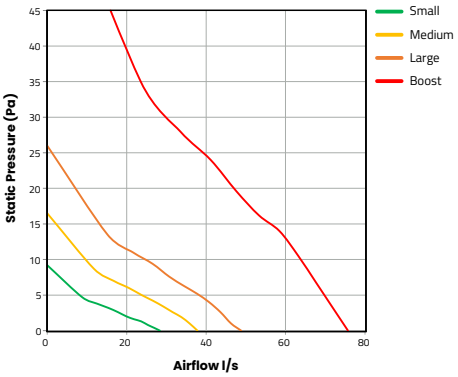
Motor: Incorporates the Ultra Low Watt DC motor technology with sealed for life ball bearings designed to operate continuously at a pre-set 'background' rate.
Fan: 140 x 220mm centre mounted forward curved centrifugal fan.
Filter: Is a synthetic fibre based filter mat to ISO Coarse 60% (G4) standard in accordance with EN779 standard ratings, conforming to all European Union and US fire classification standards (e.g. DIN 53438-F1 and UL900-class 2) and be self-extinguishing.

Integral 'Intelligent' Comfort Heater

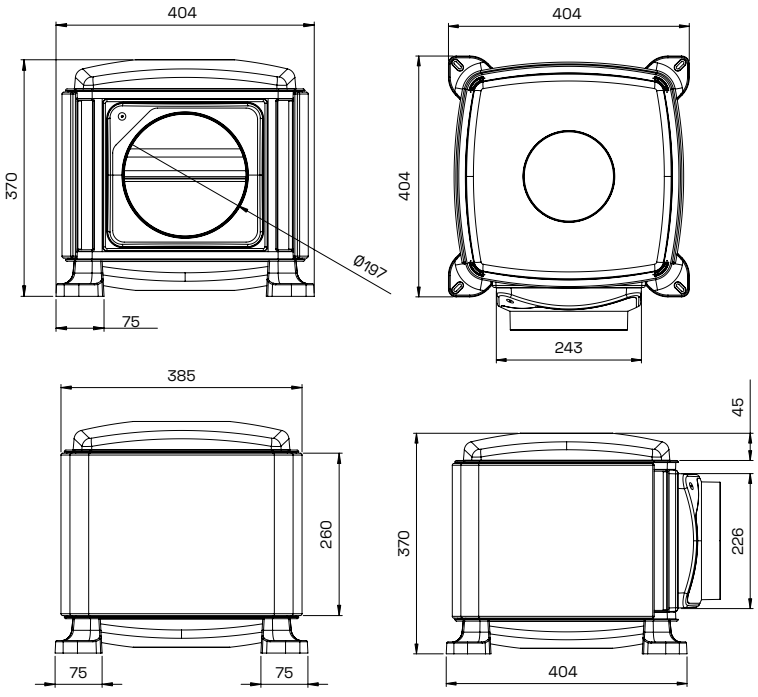
The integral pre-heater is designed to temper the incoming air during periods of low external temperatures. A sensor monitors incoming air and pulses the heater to ensure temperatures are held to pre-set minimums.

Performance Data





Drawing and Dimensions



Weight 8kg. Dimensions in mm.

Positive Input Ventilation (PIV) Wall



Titon's Positive Input Ventilation (PIV) systems are designed to improve indoor air quality by continuously supplying filtered fresh air into homes to reduce condensation, damp, mould, and airborne pollutants.

The PIV W is used for retrofit or existing residential properties, especially apartments and flats with persistent moisture or ventilation issues.

The featured PIV systems emphasize low-energy operation, quiet performance and straightforward wall installation.

Product Codes

TP232 - Titon PIV W

Applications

The PIV W wall mounted unit is manufactured in the UK and is designed for installation into flats and apartments to meet the Building Regulations Approved Document F.

PIV W units supply filtered air from outside into a central location within the property at a continuous rate. Air is supplied via a grille that is designed to maximise the efficiency of airflow. The unit provides ventilation in order to improve indoor air quality and reduce condensation related problems such as damp and mould.

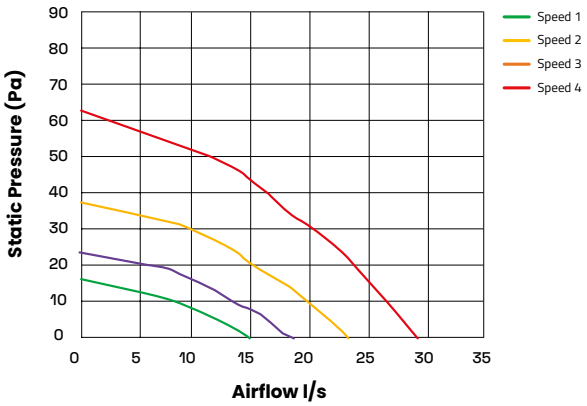
Specification

Construction: Durable ABS plastic body.
Motor: Designed to operate continuously at a pre-set rate, incorporating DC motor technology with sealed for life ball bearings
Fan: Ø146mm x 75mm dual inlet forward curved centrifugal fan.
Filter: The unit has an ePM10 50% pleated filter. Optional ePM2.5 50% and Carbon ePM2.5 50% filters available.

Integral 'Intelligent' Comfort Heater

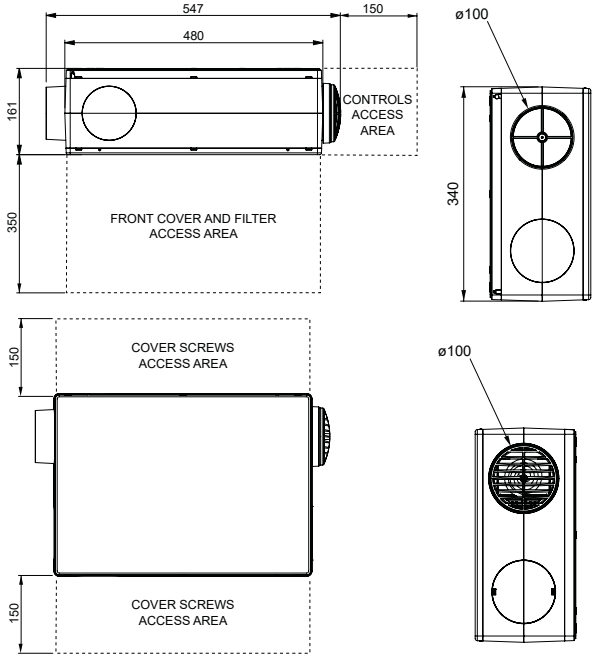
The integral pre-heater is designed to temper the incoming air during periods of low external temperatures. A sensor monitors incoming air and pulses the heater to ensure temperatures are held to pre-set minimums.

Performance Data



Performance curve results are based on the unit running below 19°C and exclude ancillaries.

Drawing and Dimensions



Weight 5kg. Dimensions in mm.

CME2.1 Plus (cMEV)



The CME2.1 Q Plus cMEV unit is a compact continuous mechanical extract ventilation (MEV) system designed for residential properties, particularly flats and single-floor dwellings where space is limited.

It continuously removes stale, humid air from wet rooms such as kitchens and bathrooms while relying on background trickle vents to bring in fresh air, helping reduce condensation, mould, and indoor pollutants. This is a sentence fragment. Rewrite as “Its low-profile design, quiet operation and energy-efficient EC motor make it suitable for installations with up to six extract points.

A key feature is its compatibility with rectangular ducting, making it easier to install in tight ceiling voids or refurbishment projects without bulky adaptors. Optional humidity sensors and boost controls allow the system to automatically increase extraction when moisture levels increase, improving indoor air quality while keeping energy use low.

Product Codes

TP325 - CME base only (First fix)

Volt free switch inputs
TP312A - CME 2.1 Q Plus (Full assembly)
TP312HA - CME 2.1 Q Plus, humidity sensor (Full assembly)
TP313A - CME 2.1 Q Plus (Second fix)
TP313HA - CME 2.1 Q Plus, humidity sensor (Second fix)

Switch live inputs
TP312HALS - CME 2.1 Q Plus, humidity sensor, switch live inputs (Full assembly)
TP313HALS - CME 2.1 Q Plus, humidity sensor, switch live inputs (Second fix)

Specification

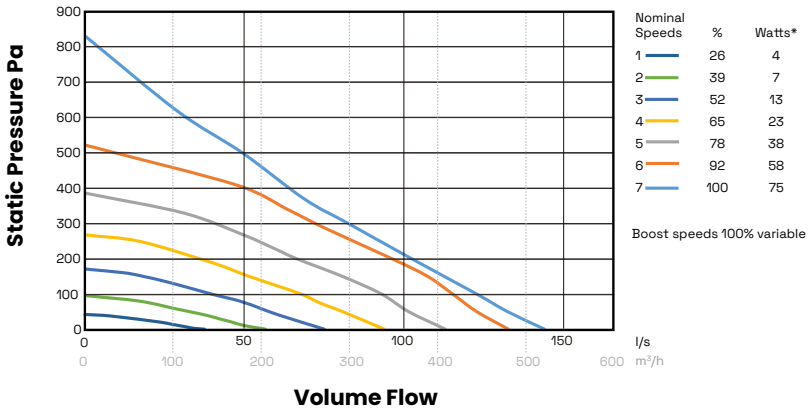
Dimensions: (excluding ports):
355mm wide x 421mm long x 252mm high
Weight: 5kg
Finish: Light grey / dark grey
Materials: Housing: Talc Filled Polypropylene
Guarantee period: 3 years (UK only)
Electrical: 230V ~ 50/60Hz, 3A fuse

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 F & L (England & Wales).

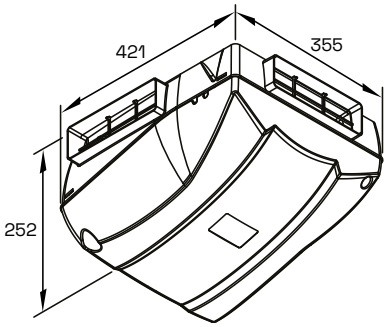
Performance

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.



Volume Flow

Drawing & Dimensions



Exhaust terminal configuration*	Fan speed setting	SFP (W/l/s) 2009	SFP (W/l/s) 2012/10
Kitchen + 1 additional wet room	100% variable	0.20	0.20
Kitchen + 2 additional wet rooms	100% variable	0.18	0.18
Kitchen + 3 additional wet rooms	100% variable	0.20	0.20
Kitchen + 4 additional wet rooms	100% variable	0.22	0.22
Kitchen + 5 additional wet rooms	100% variable	0.28	0.28
Kitchen + 6 additional wet rooms	100% variable	0.33	0.33

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'

CME3.1 Q Plus (cMEV)



The **CME3.1 Q Plus** is a central mechanical extract ventilation (cMEV) unit designed to continuously remove stale, humid air from kitchens, bathrooms, and other wet rooms in residential properties. It uses an energy-efficient EC motor to provide low-noise, low-power ventilation while helping maintain indoor air quality and reducing condensation and mould risk.

The system is typically installed in airtight or modern homes where a simpler alternative to full heat-recovery ventilation (MVHR) is preferred, and it can automatically boost extraction rates during periods of high humidity or occupancy. Its versatile spigot design accepts both Ø100 mm and Ø125 mm ducting, providing greater flexibility during installation and making it suitable for a wide range of residential ventilation layouts.

Product Codes

Volt free switch inputs
TP342A - CME3.1 Q Plus (Full assembly)
TP342HA - CME3.1 Q Plus, humidity sensor (Full assembly)

Switch live inputs
TP342HALS - CME3.1 Q Plus, humidity sensor, switch live inputs (Full assembly)

Specification

Dimensions (excluding ports):
310mm wide x 340mm long x 252mm high (excluding spigots)
Weight: 5 kg
Finish: Light grey / dark grey

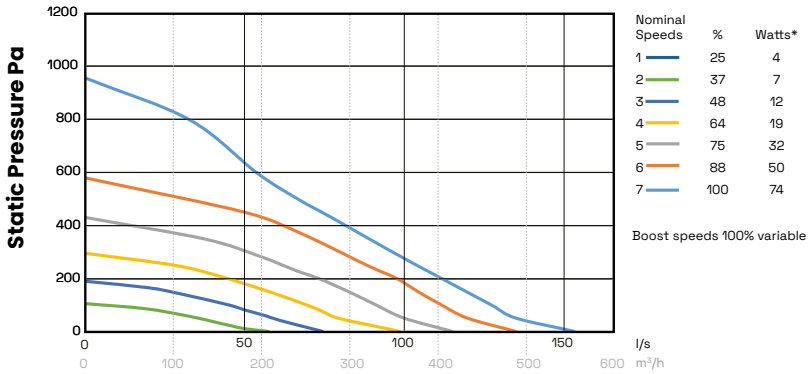
Materials: Housing: Talc Filled Polypropylene
Guarantee period: 3 years (UK only)
Electrical: 230V ~ 50/60Hz, 3A fuse

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 F & L (England & Wales).

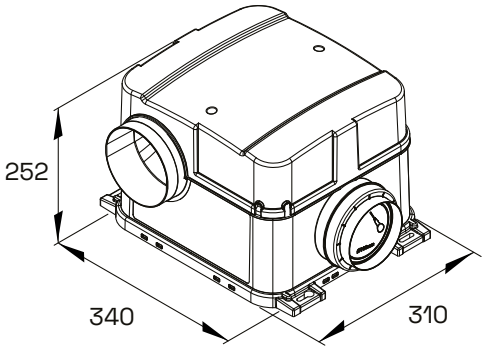
Performance

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.



Volume Flow

Drawing & Dimensions



Exhaust terminal configuration*	Fan speed setting	SFP (W/l/s) 2009	SFP (W/l/s) 2012/10
Kitchen + 1 additional wet room	100% variable	0.17	0.17
Kitchen + 2 additional wet rooms	100% variable	0.16	0.16
Kitchen + 3 additional wet rooms	100% variable	0.17	0.17
Kitchen + 4 additional wet rooms	100% variable	0.20	0.20
Kitchen + 5 additional wet rooms	100% variable	0.23	0.23
Kitchen + 6 additional wet rooms	100% variable	0.26	0.26

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'

HRV1.35 Q Plus (MVHR)



The **HRV1.35 Q Plus** is a compact Mechanical Ventilation with Heat Recovery (MVHR) unit, ideal for **social housing apartments and smaller homes**. It provides continuous fresh air while extracting stale, moisture-laden air, recovering heat that would otherwise be lost to help improve indoor air quality, reduce condensation and lower heating costs. Its compact design makes it suitable for both new build and refurbishment projects.

Designed for reliable, energy-efficient performance, the HRV1.35 Q Plus features automatic summer bypass and frost protection. Independently tested and compliant with UK Building Regulations, it provides a dependable ventilation solution that helps create healthier, more comfortable homes.

Description

HRV1.35 Q Plus

Product Codes

TP408HMB - HMB
TP408HMB_LT - HMB Eco auralite® Indicator (onboard indicator)
TP539 - aura-t™ (HMB models only)

TP418B2 - B2
TP418B2_T - B2 aura-t™ control (onboard controller)
TP726/EU - aura-t™ - (B2 models only)
TP746/EU - aura-t™ SMART (WiFi) – (B2 models only)

Filters - XP40032 - ISO Coarse 55% (G3) filters (fitted as standard)

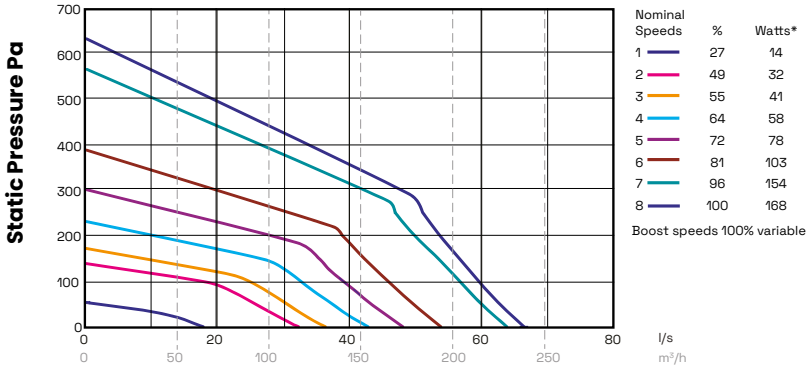
Specification

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 '0' fire rating
Guarantee period: 3 years
Electrical: 230V ~ 50/60Hz, 3A fuse

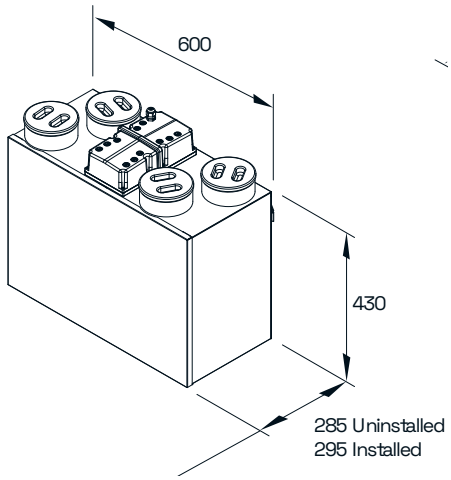
Performance

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.



Volume Flow

Drawing & Dimensions



Exhaust terminal configuration*	Fan speed setting	SFP (W/l/s)	Heat exchange efficiency (%)	SFP (W/l/s)	Heat exchange efficiency (%)
		2009		2012/10	
Kitchen + 1 additional wet room	100% variable	0.65	88%	0.71	87%
Kitchen + 2 additional wet rooms	100% variable	0.69	87%	0.92	85%
Kitchen + 3 additional wet rooms	100% variable	0.84	85%	1.19	85%
Kitchen + 4 additional wet rooms	100% variable	1.04	84%	1.55	84%
Kitchen + 5 additional wet rooms	100% variable	1.25	84%	-	-
Kitchen + 6 additional wet rooms	100% variable	1.53	84%	-	-

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.

HRV1.6 Q Plus (MVHR)



The **HRV1.6 Q Plus** is a compact but powerful Mechanical Ventilation with Heat Recovery (MVHR) unit designed for **social housing, larger apartments and medium-sized homes.** It provides continuous fresh air while extracting stale, moisture laden air, recovering heat that would otherwise be lost to help improve indoor air quality, reduce condensation and lower heating costs. Despite its higher airflow capacity, the unit's compact design makes installation straightforward in both new build and refurbishment projects.

Designed for reliable, energy-efficient performance, the HRV1.6 Q Plus features automatic summer bypass and intelligent frost protection. Independently tested by BRE and compliant with UK Building Regulations, it offers a dependable ventilation solution that helps housing providers deliver healthier, more comfortable homes.

Description

HRV1.6 Q Plus

Product Codes

TP409HMB - HMB
TP409HMB_LT - HMB Eco auralite® Indicator (onboard indicator)
TP539 - aura-t™ (HMB models only)

TP419B2 - B2
TP419B2_T - B2 aura-t™ control (onboard controller)
TP726/EU - aura-t™ (B2 models only)
TP746/EU - aura-t™ SMART (WiFi)(B2 models only)

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

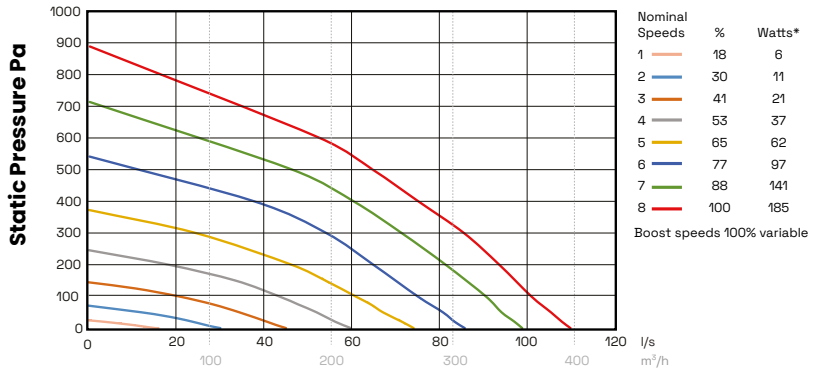
Specification

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 '0' fire rating
Guarantee period: 3 years
Electrical: 230V ~ 50/60Hz, 3A fuse

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.



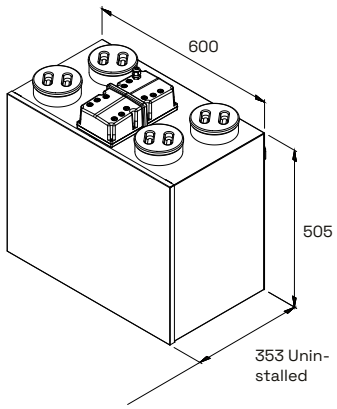
Volume Flow

Exhaust terminal configuration*	Fan speed setting	SFP (W/l/s)	Heat exchange efficiency (%)	SFP (W/l/s)	Heat exchange efficiency (%)
		2009		2012/10	
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.

Drawing & Dimensions



HRV4 Q Plus (MVHR)



The **HRV4 Q Plus** is a compact Mechanical Ventilation with Heat Recovery (MVHR) unit designed for **social housing, family homes and larger dwellings**. It provides continuous fresh air while extracting stale, moisture-laden air, recovering heat to improve indoor air quality, reduce condensation and help lower heating costs. Its compact design makes it suitable for both new build and refurbishment projects.

Designed for reliable, energy-efficient performance, the HRV4 Q Plus features automatic summer bypass and frost protection. Independently tested and compliant with UK Building Regulations, it provides a dependable ventilation solution for healthier, more comfortable homes.

Description

HRV4 Q Plus

Product Codes

TP421HMB - HMB
TP421HMB_LT - HMB Eco auralite® Indicator - (onboard indicator)
TP539 - aura-t™ (HMB models only)

TP431B2 - B2
TP431B2_T - B2 aura-t™ control (onboard controller)
TP726/EU - aura-t™ (B2 models only)
TP746/EU - aura-t™ SMART (WiFi) (B2 models only)

Filters - ISO Coarse 85% (G4) filters - XP2011629 fitted as standard

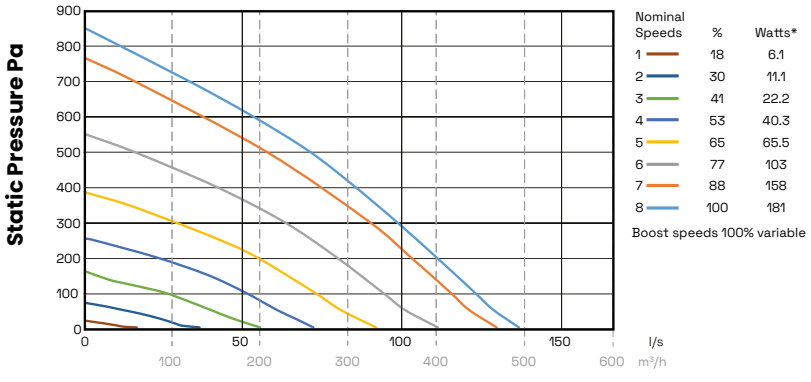
Specification

Dimensions: 600mm wide x 602mm high (excluding ports) x 477mm deep (487mm with mounting bracket)
Weight: 28.5kg
Finish: White Paint (RAL9016)

Materials:
Housing: Zintec sheet steel housing, powder coated white
Internals: Expanded polypropylene (EPP)
Heat exchanger: Made from high quality PET materials
Internal insulation: Closed cell foamed Nitrile rubber, class '0' fire rating
Guarantee period: 3 years (UK only)
Electrical: 230V ~ 50/60Hz, 5A fuse

Performance

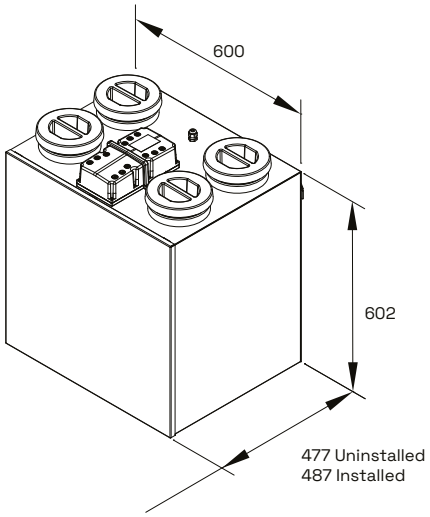
The figures and compliance levels below relate to current SAP requirements. Revised SAP guidance will have an effect on performance and up-to-date figures can be found on the relevant product page at www.titon.com.



Volume Flow

Exhaust terminal configuration*	Fan speed setting	SFP (W/l/s)	Heat exchange efficiency (%)	SFP (W/l/s)	Heat exchange efficiency (%)
		2009		2012/10	
Kitchen + 1 additional wet room	100% variable	0.41	91%	0.42	91%
Kitchen + 2 additional wet rooms	100% variable	0.38	91%	0.43	90%
Kitchen + 3 additional wet rooms	100% variable	0.4	90%	0.5	89%
Kitchen + 4 additional wet rooms	100% variable	0.45	89%	0.6	88%
Kitchen + 5 additional wet rooms	100% variable	0.51	89%	0.73	87%
Kitchen + 6 additional wet rooms	100% variable	0.58	88%	0.9	86%
Kitchen + 7 additional wet rooms	100% variable	0.7	87%	1.08	86%

Drawing & Dimensions



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.

HRV4.25 Q Plus (MVHR)



The **HRV4.25 Q Plus** builds on the performance of the HRV4 by delivering **greater airflow**, making it ideal for **larger homes and social housing developments** with higher ventilation requirements. It provides continuous fresh air while extracting stale, moisture-laden air, recovering heat to improve indoor air quality, reduce condensation and help lower heating costs. Its compact design allows for straightforward installation in both new build and refurbishment projects.

Designed for reliable, energy-efficient performance, the HRV4.25 Q Plus features automatic summer bypass, frost protection and filter change indication for simple, low-maintenance operation. Independently tested and compliant with UK Building Regulations, it provides a dependable ventilation solution for healthier, more comfortable homes.

Description

HRV4.25 Q Plus

Product Codes

TP423HMB - HMB
TP423HMB_LT - HMB Eco auralite® Indicator - (onboard indicator)
TP539 - aura-t™ (HMB models only)

TP433B2 - B2
TP433B2_T B2 aura-t™ control (onboard controller)
TP726/EU - aura-t™ (B2 models only)
TP746/EU aura-t™ SMART (WiFi) (B2 models only)

Filters: **XP2011629** - ISO Coarse 85% (G4) filters (fitted as standard)

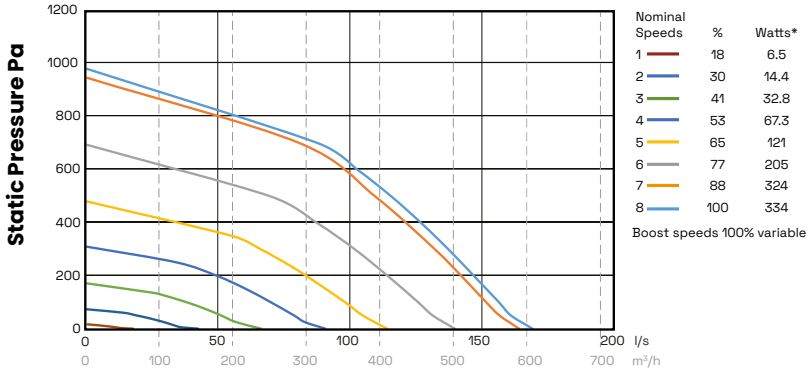
Specification

Dimensions: 600mm wide x 602mm high (excluding ports) x 477mm deep (487mm with mounting bracket)
Weight: 28.5kg
Finish: White Paint (RAL9016)

Materials:
Housing: Zintec sheet steel housing, powder coated white
Internals: Expanded polypropylene (EPP)
Heat exchanger: Made from high quality PET materials
Internal insulation: Closed cell foamed Nitrile rubber, class '0' fire rating
Guarantee period: 3 years (UK only)
Electrical: 230V ~ 50/60Hz, 5A fuse

Performance

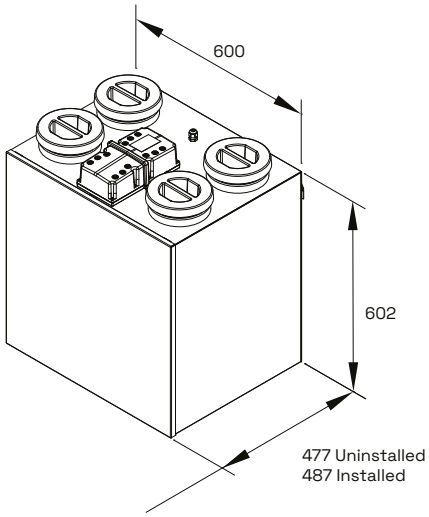
The figures and compliance levels below relate to current SAP requirements. Revised SAP guidance will have an effect on performance and up-to-date figures can be found on the relevant product page at www.titon.com.



Volume Flow

Exhaust terminal configuration*	Fan speed setting	SFP (W/l/s)	Heat exchange efficiency (%)	SFP (W/l/s)	Heat exchange efficiency (%)
		2009		2012/10	
Kitchen + 1 additional wet room	100% variable	0.46	91%	0.47	91%
Kitchen + 2 additional wet rooms	100% variable	0.43	91%	0.49	90%
Kitchen + 3 additional wet rooms	100% variable	0.44	90%	0.54	89%
Kitchen + 4 additional wet rooms	100% variable	0.49	89%	0.65	88%
Kitchen + 5 additional wet rooms	100% variable	0.55	89%	0.75	87%
Kitchen + 6 additional wet rooms	100% variable	0.63	88%	0.91	86%
Kitchen + 7 additional wet rooms	100% variable	0.73	87%	1.09	86%

Drawing & Dimensions



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.

Ventilation System Options

Positive Input Ventilation (PIV)



Positive Input Ventilation (PIV) is a ventilation system designed to improve indoor air quality and reduce problems caused by excess moisture.

The system works by gently introducing filtered fresh air into a building, usually from the loft space or directly from outside, creating a slight positive pressure that pushes stale, humid air out through natural leakage points and vents.

PIV is commonly used to help control condensation, dampness, and mould growth, making homes healthier and more comfortable for occupants. It can also reduce indoor pollutants, allergens, and odours while improving overall airflow. Because PIV systems operate continuously at a low rate and consume relatively little energy, they are often considered an efficient and cost-effective solution for maintaining good ventilation in residential properties.

Continuous mechanical extract ventilation - Decentralised dMEV



Decentralised Mechanical Extract Ventilation (dMEV) is a ventilation system that uses individual continuously running extract fans in wet rooms such as bathrooms, kitchens, and utility spaces to remove stale, moisture-laden air directly from the building.

Unlike centralised systems, each fan operates independently, eliminating the need for extensive ductwork and making installation simpler, particularly in refurbishment projects. dMEV systems provide continuous background ventilation with an increased extraction rate when higher levels of humidity or pollutants are detected.

This helps reduce condensation, prevent mould growth, and improve indoor air quality while maintaining energy-efficient operation. As a result, dMEV is a practical and cost-effective ventilation solution for a wide range of residential properties.

Continuous mechanical extract ventilation - Centralised MEV



Continuous Mechanical Extract Ventilation (cMEV) is a whole-house ventilation system that uses a central fan unit to continuously extract stale, moisture-laden air from wet rooms such as kitchens, bathrooms and utility rooms through a network of ducting.

By operating at a low background rate with the ability to boost extraction when needed, cMEV helps control condensation, reduce the risk of damp and mould, and improve indoor air quality. Fresh replacement air enters the building through purpose-made vents or natural air inlets, ensuring a steady flow of air throughout the property.

cMEV systems are widely used in modern energy-efficient homes because they provide consistent ventilation, help maintain a healthy indoor environment, and can operate with relatively low energy consumption.

Mechanical ventilation with heat recovery (MVHR)



Mechanical Ventilation with Heat Recovery (MVHR) is a whole-house ventilation system that continuously supplies fresh, filtered air to living spaces while extracting stale, moisture-laden air from areas such as kitchens, bathrooms, and utility rooms.

The system incorporates a heat exchanger that transfers heat from the outgoing air to the incoming fresh air, helping to maintain comfortable indoor temperatures while reducing heating energy demand.

MVHR systems improve indoor air quality by removing pollutants, excess humidity, and allergens, while also reducing the risk of condensation and mould growth. They are particularly effective in modern, airtight buildings where natural ventilation is limited, providing an energy-efficient solution that balances ventilation requirements with thermal comfort and sustainability.





Titon: The indoor air quality experts

At Titon, we believe everyone deserves to breathe cleaner, healthier air. With decades of expertise in designing and manufacturing advanced ventilation solutions, we are passionate about creating systems that improve indoor air quality, enhance comfort, and contribute to healthier living and working environments.

From highly efficient MVHR systems ideal for airtight, energy-efficient homes to MEV solutions and extract fans suited to medium-density buildings or retrofit projects, Titon provides the versatility and performance you need for every development type.

Our commitment to quality and reliability is demonstrated through our ISO and SAP certifications, and we are dedicated to supplier excellence. Combining rigorous product testing with outstanding service ensures that every solution exceeds expectations.

As a trusted end-to-end partner, we support your project from start to finish. Whether it's helping you select the right system, providing tailored design advice, coordinating on-site support, or offering maintenance and aftercare resources, we ensure your ventilation systems perform seamlessly at every stage.

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Titon®

BM1372 (0726)