Positive Input Ventilation (PIV)

PIV L & PIV L3

For use in domestic dwellings

Positive Input Ventilation or PIV is a concept that delivers fresh filtered air into a home at a continuous rate, which results in reducing condensation, mould and indoor pollution.

Available in two types for the new build market, PIV L (up to 2 floors) or PIV L3 which includes a fire diffuser and a remote control (up to 3 floors). Titon's range of PIV units will create a healthy environment within any dwelling and help combat internal air quality issues.

PIV protects you against

Mould - spores account for a significant amount of household dust.

Dust Mites - you share your bed with thousands of them!

Smoke - 5-10% of all lung cancer is linked directly to passive smoking.

Radon - studies have shown a link to exposure increases the risk of lung cancer.

Volatile organic compounds (VOCs) - can lead to irritation and headaches as well as risk of neurotoxic effects.

PIV

Features & Benefits

- **Ultra low watt DC motor technology**
- **Sealed for life ball bearings**
- **Suitable for loft applications only**
- **Integral Hours Run Meter (as standard)**
- **Integral intelligent comfort heater (as standard)**
- **Remote control boost facility as standard on PIV L3**
- **Provides all year round quality filtered air**
- **Reduces/eliminates surface condensation**
- **Quiet operation**
- **Removes musty odours**
- **Enhances heat distribution**
- **Takes advantage of the benefits of solar gain in the loft space**
- **Benefits asthma sufferers by reducing dust mites and mould spores**
- **Reduces Radon levels**

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.

Guarantee period: 5 years

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 recover from ceiling level. This provides displacement ventilation in order to improve air quality and resolve condensation related problems.

Accreditations

This product is in conformity with the European Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EU including amendments. Full compliance with the relevant parts of the standards listed below supports the conformity of the designated product with the provisions of the above mentioned EC Directives.

EN 60335-1:2012 + AC:2014, EN 60335-2-80:2003 + A1:2004 + A2:2009, EN 61000-6-1:2007, EN 61000-6-3:2007 + A1:2011, EN 62233:2008, EN 62311:2008

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.

Servicing/Maintenance

Achieved by exchanging filters and consumable items. There should be no requirement for any maintenance within the five year period.

Accessories:

Integral 'Intelligent Low Temperature' Comfort Heater

Powered by a single supply and capable of holding incoming air temperatures accurately – around 10°C. The integral heater element is manufactured in a solid tubular sheath material and not in open wire format.

Intelligent Remote Control (L3 unit only)

A remote control incorporating five mode settings: small, medium, high, boost and auto is available. Auto-mode enables or disables the heater.

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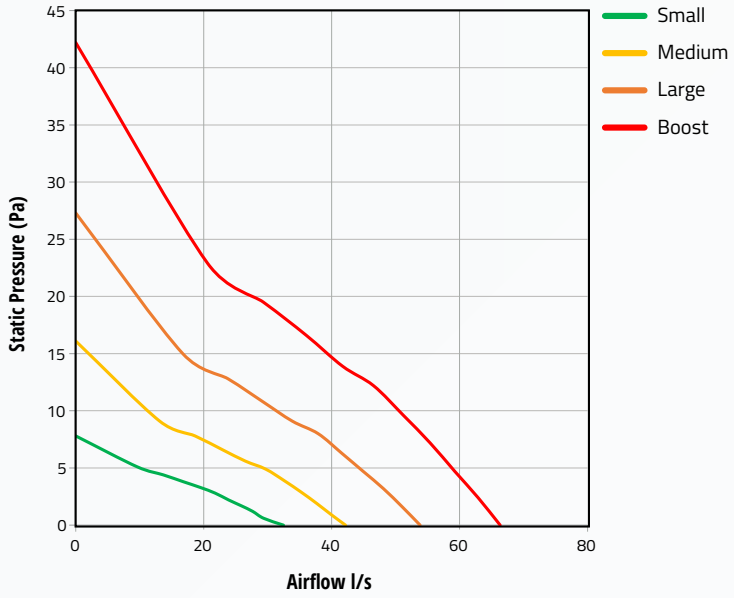
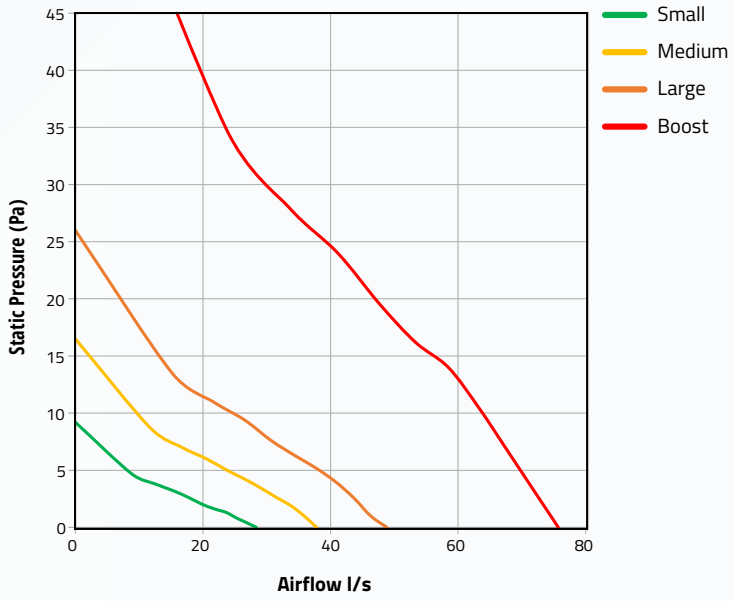
TP231 - Titon PIV L3 (up to 3 floors) with fire diffuser and remote control

Performance Data

PIV L - (TP230)



PIV L3 - (TP231)



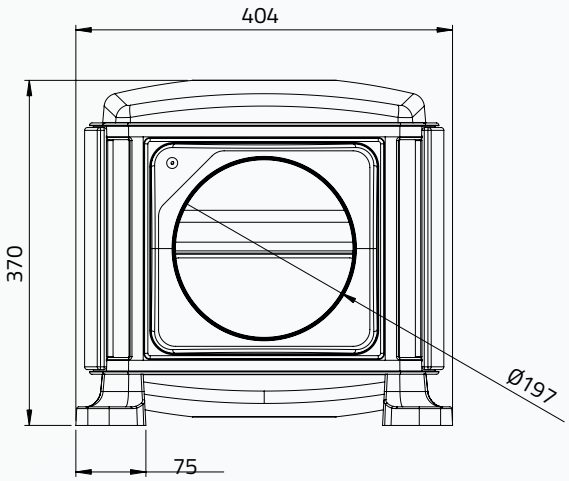
Performance curve results are based on the unit running below 19°C and exclude accessories.

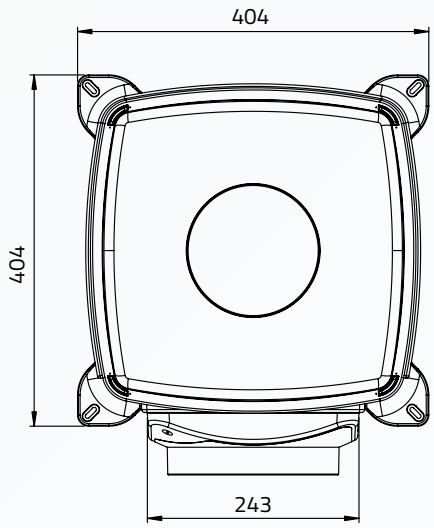
Power and Sound Levels

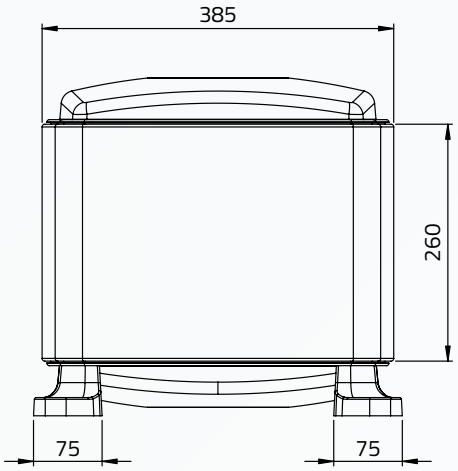
Product	Incoming Air Temp. (°C)	Fan Speed Setting	Airflow (l/s)	Power Usage (W)	Specific Fan Power (SFP)	Outlet Noise 0dB(A) @3m
PIV L (TP230)	<19	Small	21	4	0.17	<15
		Medium	29	4	0.15	<15
		Large	38	6	0.16	<15
		Boost	49	9	0.19	15
PIV L3 (TP231)	<19	Small	20	3	0.13	<15
		Medium	27	3	0.13	<15
		Large	34	5	0.14	<15
		Boost	53	13	0.25	15

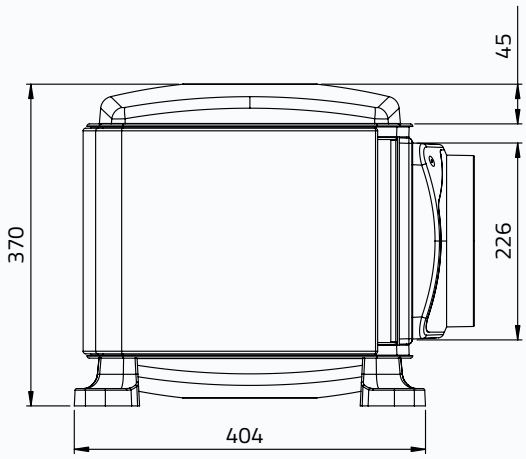
Please note that the power figures represent normal running and do not include the heater.

Drawing & Dimensions









Weight 8kg. Dimensions in mm.