

# Titon Ultimate<sup>®</sup> dMEV

Decentralised Mechanical Extract Fan



*The Ultimate Choice*

 **Titon<sup>®</sup>**

# Would you compromise the air you breathe?

Poor indoor air quality caused by a build-up of indoor air pollutants can lead to an impact on the health of a building and its occupants.

Most common pollutants are biological such as mould spores, pollen and dander; other pollutants are VOCs, gases, Carbon Monoxide and building materials such as paint containing lead and formaldehyde and asbestos.

Homes have become more airtight in recent years which prevents air from 'changing' (existing air is allowed to escape from a room, new air comes in from outside).

Ventilation levels can be increased in a property by opening trickle vents in windows, clearing air bricks in the walls for background ventilation, installing fans in the bathroom and kitchen unless you have a central extraction unit installed; all which help combat the issue of inadequate ventilation.

Titon has developed a high performing dMEV to help combat poor indoor air quality, which provides efficient effective ventilation within a home.

## ultimate

It is the highest of the high, the best, and the unreachable position. Therefore, it is absolute; the ending; final.

Source: [www.urbandictionary.com](http://www.urbandictionary.com)

*#Ventilation  
#dMEV  
#EasyInstall  
#FastCommissioning  
#Residential  
#Bathrooms  
#Kitchens  
#UltimateChoice*

[www.titon.com/ultimate](http://www.titon.com/ultimate)



# Introducing the Titon Ultimate<sup>®</sup> dMEV

**SAP10**  
Compliant



*The Ultimate Choice*

## Titon Ultimate<sup>®</sup> dMEV

The Titon Ultimate<sup>®</sup> dMEV decentralised mechanical extract fan meets all of the new performance requirements. It provides extremely low noise levels, as low as 10 dB(A) and has exceptional airflow performance; it is the ultimate fan.

### Features and Benefits

- ▶ Low specific fan power down to 0.11 W/l/s
- ▶ Airflow up to 30 l/s (108 m<sup>3</sup>/h)
- ▶ Display in l/s or now m<sup>3</sup>/h – **New feature**
- ▶ Intermittent function – **New feature**
- ▶ Extremely low running costs
- ▶ 3 configurable speed options (Trickle, Boost and High Boost)
- ▶ Eligible for Energy Compliance Obligation (ECO) fourth iteration funding
- ▶ Constant flow technology
- ▶ 4 button & LED display to allow for simple control
- ▶ Extract fan designed to run continuously (24/7)
- ▶ Integral pressure sensor to maintain constant flow to overcome external back pressures of up to 20Pa
- ▶ Unit running time and average RH Data Logging
- ▶ Fast straightforward commissioning and set up
- ▶ Ideal for removing condensation which can lead to mould and ill health
- ▶ Low profile aesthetic circular design
- ▶ Easy clean design
- ▶ Quiet running, only 10 dB(A) at 3m, low speed
- ▶ Unique high performance impeller and guide vane design
- ▶ IPX4 rated (Ceiling mounted TP646 Kit required)\*
- ▶ Double insulated (requires no earth)
- ▶ Designed and manufactured in accordance with EN60335-2-80 Low Voltage Directive and the EMC Directive (Electromagnetic Compatibility)

Low profile with aesthetic circular design



Unique high performance impeller and guide vane design



- ▶ Complies with Building Regulations Part F (England and Wales)
- ▶ High performance brushless DC motor
- ▶ 18 months guarantee (UK only)
- ▶ PCDB listed for inclusion within SAP (Consp10/SAP10 compliant)
- ▶ Patent applied
- ▶ Exceeds newly proposed stringent 20 Pa back pressure requirement

- ▶ CFC Ceiling Fan Cuff available. Independently tested to BS EN 1364-2: 2018 Fire Resistance Tests for non-load bearing elements – Part 2: Ceilings and additional guidance from BS EN 1366-3: 2009. (Test Report 510322B/R). Up to 60 minutes integrity and insulation

\* To maintain the IPX4 rating when ceiling mounted, a kit must be used. Please contact Titon for availability of ceiling mounting kits.

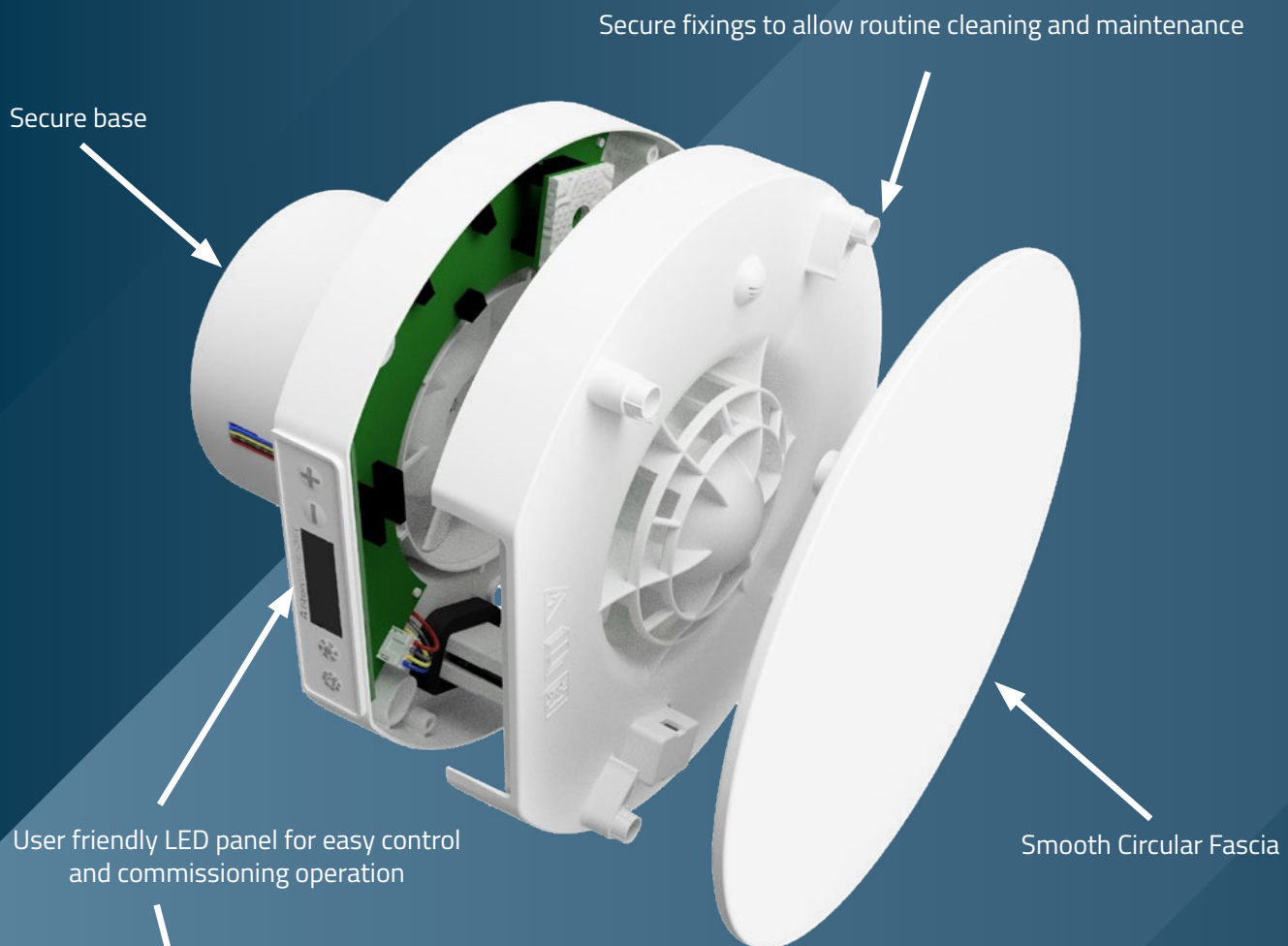
## Ideal for Social Housing

Includes all of the standard points and:

- ▶ **Data logging** - The unit records the length of time it has been in powered use and the average humidity on a Daily/Monthly/Annual basis. The results can be recalled via the unit's digital display
- ▶ **Humidity control** - To help maintain good levels of ventilation and combat mould/condensation
- ▶ Unit lock out button for installers/landlords – **New feature**



# Straightforward and easy commissioning

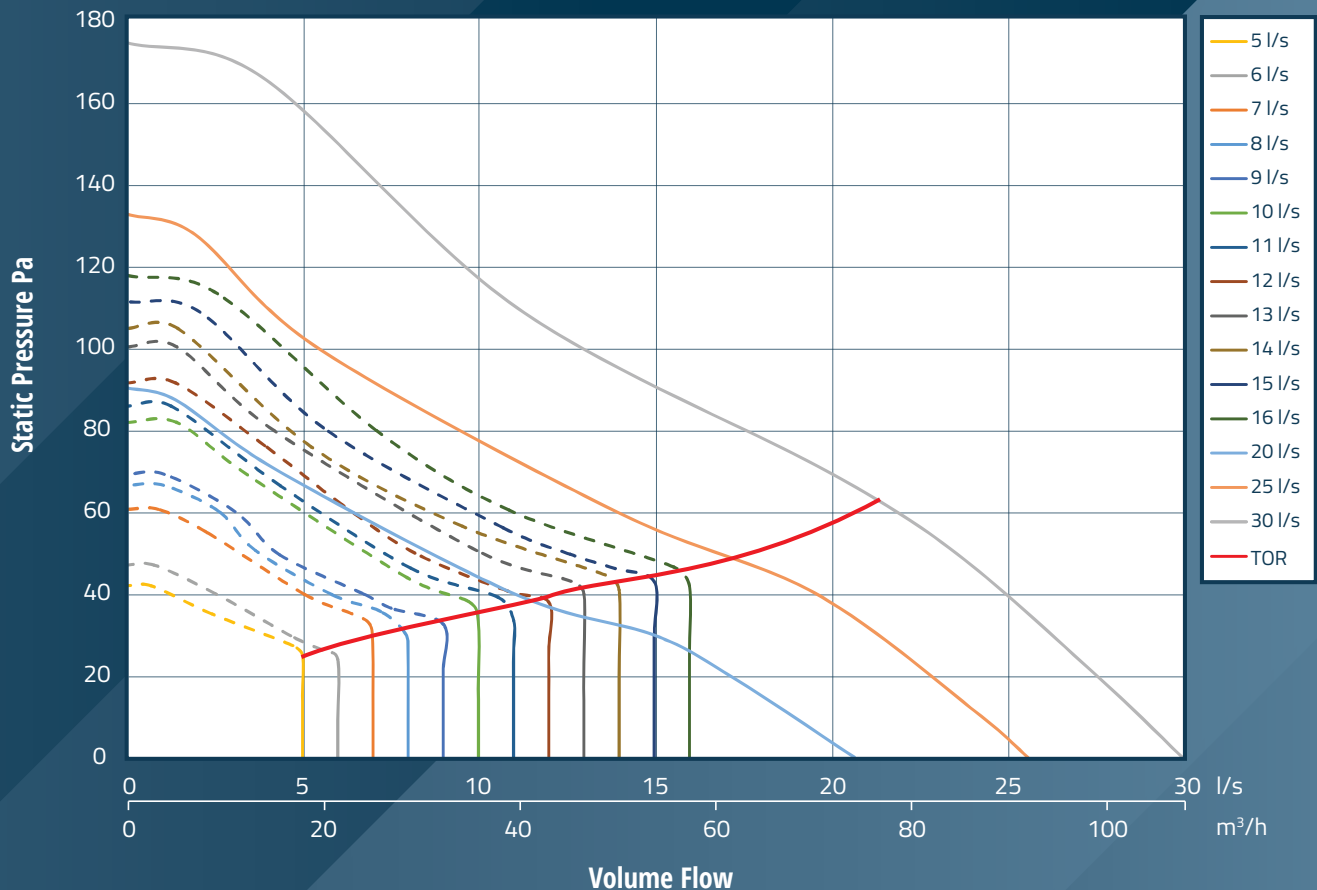


Using the sleek LED control panel, the commissioning and operation is simple and quick. The panel consists of 4 buttons; settings, fan speed and plus/minus adjustment buttons for selection.

Commissioning is simple, straightforward and effortless. Simply hold down the Settings button for 5 seconds and then adjust the figures to the desired airflow.

It's easy as 1,2,3....

# Exceptional stand out airflow performance



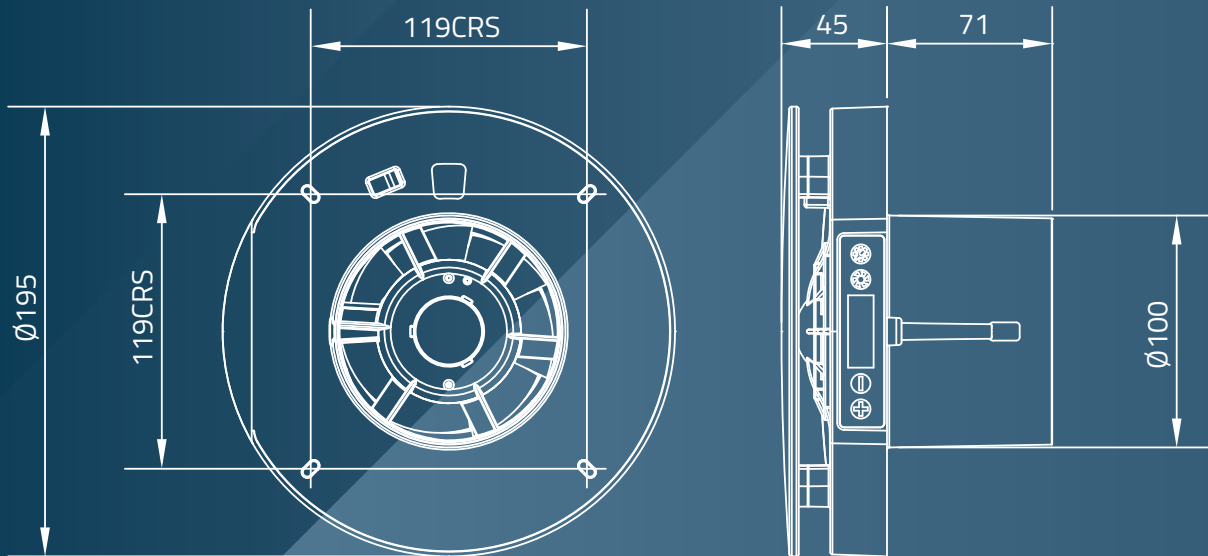
A specialist high pressure version of the Titon Ultimate® dMEV is available for operation above the typical operating range (TOR) indicated on this chart. Please contact Titon sales for more details.

		Ducted in Room					Through Wall	
		Kitchen		Wet Room			Kitchen	Wet Room
Fan Speed Setting	l/s	13	16	5	8	11	13	8
SFP	w/l/s	0.15	0.16	0.21	0.15	0.15	0.11	0.14
Volume reduction with 20Pa back pressure	%	1	2	6	5	2	1	1
Max volume reduction allowed	%	30	30	30	30	30	30	30
Power	W	1.89	2.52	1.07	1.23	1.60	1.47	1.13
Noise Level	dBA @ 3m	28**		19**			26	15

The results detailed below have been determined from independent laboratory testing performed in accordance with the latest SAP10 dMEV (Consp10) test standard introduced on 15th June 2022. Tests were performed with rigid ducting. Figures taken from the BRE Test Results.

\*\*Using 100mm diameter round duct and tested in accordance with SAP PCDB method V2.0:2013.

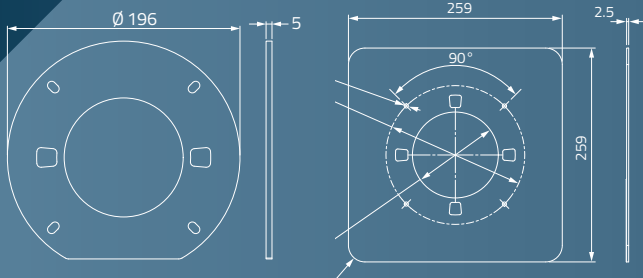
# Specification



CRS - Fixing Holes

Ceiling IPX4 Kit\*  
(TP646)

Decorative Wall Plate  
(TP647)



## Ducting Kits

Our ducting kits are recommended to maintain flow rates and are available in Ø100mm and 110x54mm rectangular. Kits contain; 3m duct, bends, grille and accessories. Calculated resistance rates are also included in ducting kit literature.

Dimensions in mm

## Product Codes

**TP640i** – Basic version  
**TP640Hi** – Humidity Control  
**TP640HDi** – Humidity Control with Data Logging

**TP645/BR** - Telescopic Wall Kit (Brown)  
**TP645/BE** - Telescopic Wall Kit (Beige)  
**TP645/TC** - Telescopic Wall Kit (Terracotta)  
**TP645/WH** - Telescopic Wall Kit (White)

**TP646** - IPx4 Ceiling Kit  
**TP647** - Decorative Wall Plate  
**CFC100** - CFC Ceiling Fan Cuff  
**QSS310** - Quelstop Acrylic Sealant

## Standards

Designed and manufactured in accordance with EN60335-2-80 (Low Voltage Directive) and the EMC Directive (Electromagnetic Compatibility).

**Dimensions** - Ø195mm with 45mm projection

**Weight:** 0.5Kg

**Finish:** Gloss White

Air performance measured according to ISO 5801 at 230V 50Hz, air density 1,2 Kg/m<sup>3</sup>.

UKCA and CE marked.

**Materials:** ABS, PCB, LED display & brushless motor.

**Controls:** Onboard 4 button controls with 4 digit LED display

**Guarantee period:** 18 months (UK only)

**Electrical:** 220-240 V ~ 50/60Hz