CME - Ventilation Systems

Product Brochure

Titon®
ventilation systems

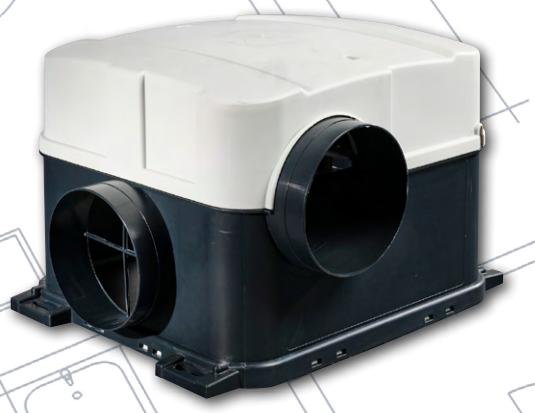
CME Q Plus

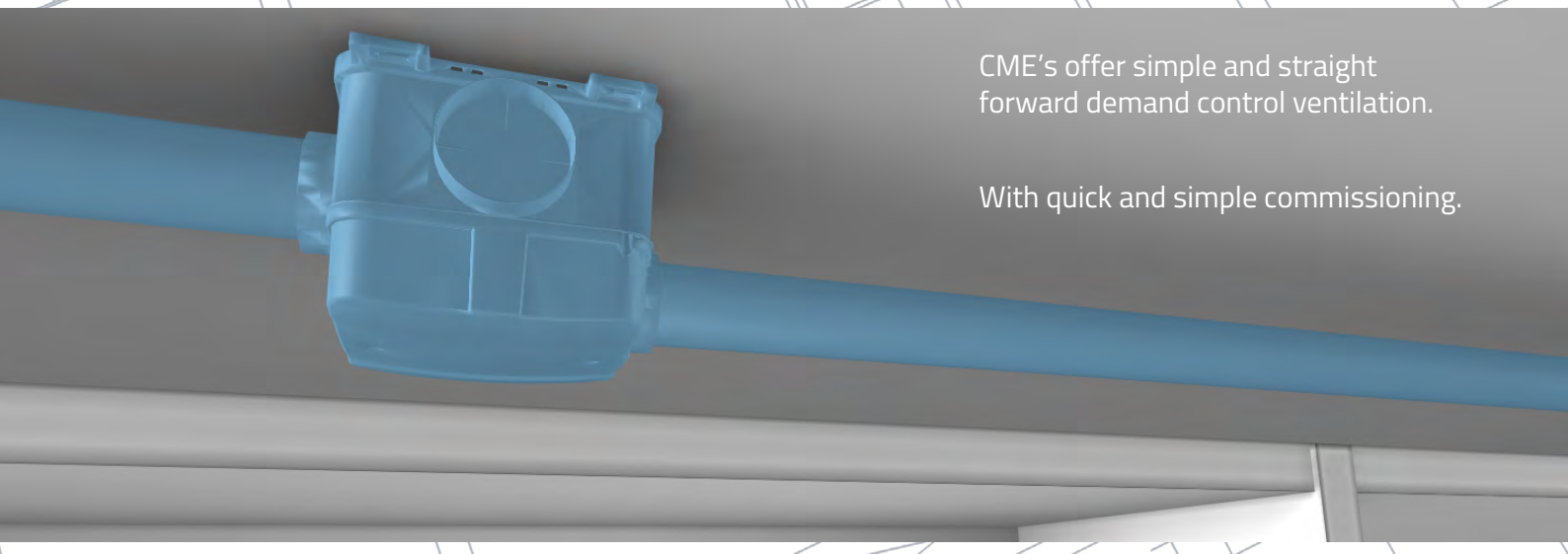
Continuous Mechanical Extract (cMEV) Units

An MEV or CME (Continuous Mechanical Ventilation) system uses background ventilators, usually trickle ventilators fitted in windows and a centrally located continuously running mechanical extract fan with ducts running from the moisture producing areas or "wet rooms" such as kitchens and bathrooms. The background ventilators provide the whole building ventilation and the central mechanical extract fan runs continuously to remove odours and excessive humidity. A boost facility provides rapid extraction when necessary to remove higher levels of pollutants.

CME3/3.1 Q Plus

- Airflow up to 120 l/s (430 m^3/h) at 100 Pa
- Optional adjustable humidity sensor (between 55% RH & 85% RH) increases unit's speed proportionally
- Fully adjustable boost overrun timer 0-30 minutes
- Can accept either Ø125 and/or Ø100





CME's offer simple and straight forward demand control ventilation.

With quick and simple commissioning.

Benefits & Features

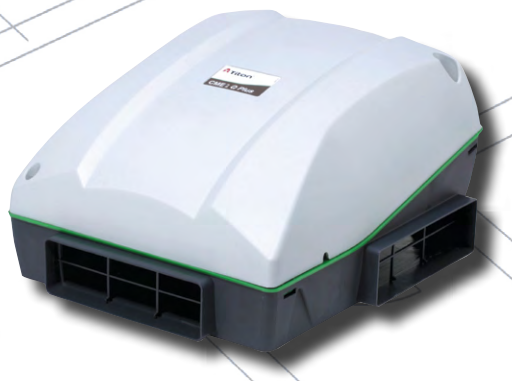
- High energy efficiency levels, via Electronically Commutated (EC) motor
- Very low power consumption/specific fan power
- Compact – unit is small and low in profile, can be fitted in airing cupboards, cupboards or loft spaces
- Easy installation due to innovative sub-assembly and unique packaging design
- Low unit noise
- Can be mounted on any plane
- Wide duty range
- Demand control ventilation ready
- Quick and easy commissioning
- Available in volt free and switch live inputs
- For use in conjunction with Titon trickle vents
- Unit can be cleaned and serviced without disturbing ducting

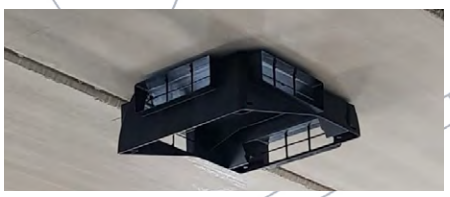
The CME Q Plus range of fans are ideal for continuous extract of stale, damp and polluted air to the outside environment. With a combination of aesthetic smooth lines, unique tilted impeller, single level or circular ports it provides the ideal solution for hidden ceiling installation in flats and apartments.

Easy and straightforward to commission, the CME Q Plus will help protect against condensation and mould with in a home.

CME2/2.1 Q Plus

- Airflow up to 137 l/s (493 m^3/h) at 100 Pa
- Optional two part installation
- Performs to high levels through rectangular ports; does away with need for round to rectangular adaptors, saving cost, reducing joints and installation time
- Optional adjustable humidity sensor (between 55% RH & 85% RH) triggers boost speed proportionally
- Duct ports on one level, lessening need for unnecessary bends in ducting, saving cost, reducing joints and installation time
- Ideal for central mechanical ventilation in refurbishment of single floor dwellings where there is only space for rectangular ducting
- Fully adjustable boost overrun timer 0-30 minutes
- Can accept either 204mm x 60mm (standard) or 110mm x 54mm ducting (using provided converter)
- Original enclosure design with 204mm x 60mm spigots on one level, ideal for low profile ceiling mounting



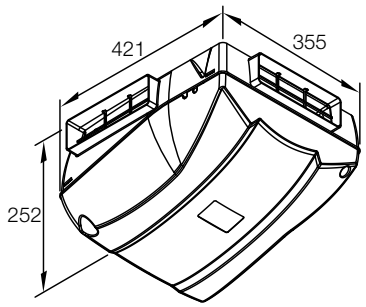


First fix install option

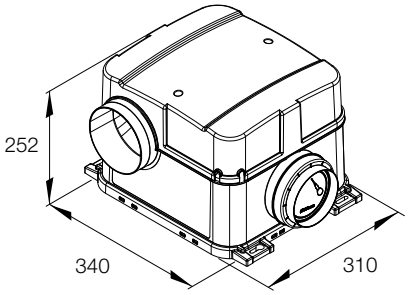
Spigot converter

Drawings and Dimensions

CME2 & CME2.1 Q Plus

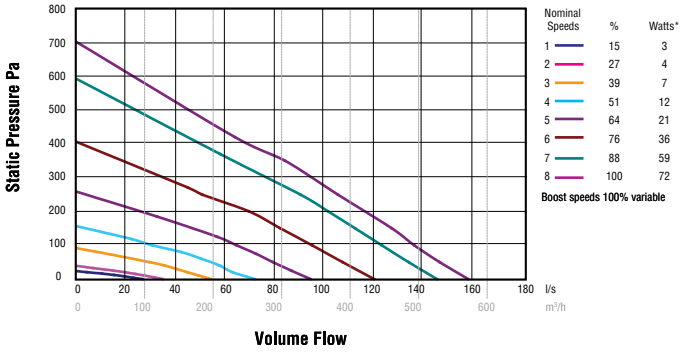


CME3 & CME3.1 Q Plus

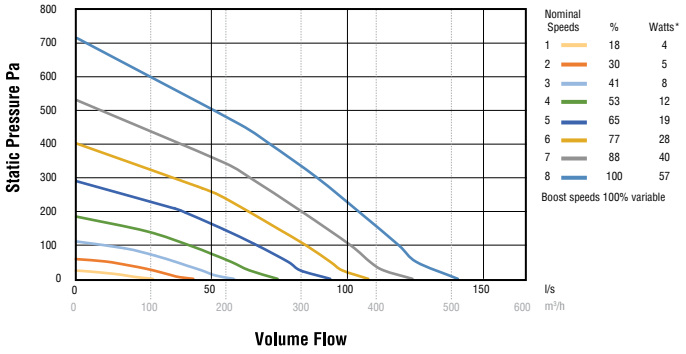


Performance

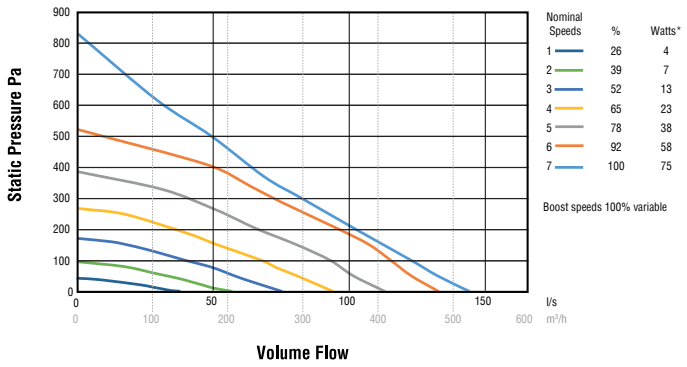
CME 2 Q Plus



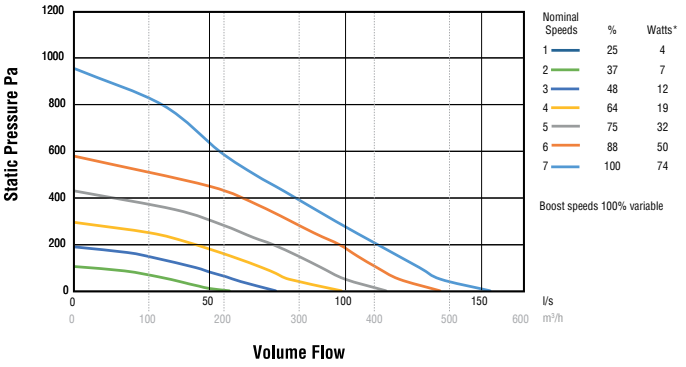
CME 3 Q Plus



CME 2.1 Q Plus



CME 3.1 Q Plus



Exhaust terminal configuration*	Fan speed setting	CME2 SFP (W/l/s) 2009	CME2 SFP (W/l/s) 2012	CME2.1 SFP (W/l/s) 2009	CME2.1 SFP (W/l/s) 2012
Kitchen + 1 additional wet room	100% variable	0.2	0.2	0.2	0.2
Kitchen + 2 additional wet rooms	100% variable	0.17	0.17	0.18	0.18
Kitchen + 3 additional wet rooms	100% variable	0.19	0.19	0.2	0.2
Kitchen + 4 additional wet rooms	100% variable	0.21	0.21	0.22	0.22
Kitchen + 5 additional wet rooms	100% variable	0.25	0.25	0.28	0.28
Kitchen + 6 additional wet rooms	100% variable	0.29	0.29	0.33	0.33

Exhaust terminal configuration*	Fan speed setting	CME3 SFP (W/l/s) 2009	CME3 SFP (W/l/s) 2012	CME3.1 SFP (W/l/s) 2009	CME3.1 SFP (W/l/s) 2012
Kitchen + 1 additional wet room	100% variable	0.18	0.18	0.17	0.17
Kitchen + 2 additional wet rooms	100% variable	0.16	0.16	0.16	0.16
Kitchen + 3 additional wet rooms	100% variable	0.17	0.17	0.17	0.17
Kitchen + 4 additional wet rooms	100% variable	0.19	0.19	0.2	0.2
Kitchen + 5 additional wet rooms	100% variable	0.21	0.21	0.23	0.23
Kitchen + 6 additional wet rooms	100% variable	0.25	0.25	0.26	0.26

Figures taken from the BRE Test Results apply for both the standard and humidity versions.
*Number of wet rooms is based on SAP Q test criteria and does not correlate directly with regulatory performance requirements.
Test results available for use with 110 x 54mm ducting (CME2/2.1 Q Plus) and 100mm ducting (CME3/3.1 Q Plus).