Decentralised Mechanical Extract Ventilation - dMEV

Constant Flow

"CERTO" MFCF100

NEW



MFCF100

- provides low level continuous ventilation to control condensation
- sensor recognises changes in system pressure and ensures airflow is maintained at pre-set rate
- energy efficient EC motor
- 7 speed mixed flow fan
- powerful low profile unit
- wall, ceiling or window (with additional kit)
- low noise levels
- low running costs
- for any domestic wet room
- complies with Building Regulations Parts F and L
- tested to SAP10

Tel: +44(0)1494 522333

Email: sales@vectaire.co.uk
Web: www.vectaire.co.uk

Decentralised Mechanical Extract Ventilation - dMEV

Constant Flow

"CERTO" MFCF100

GENERAL FEATURES

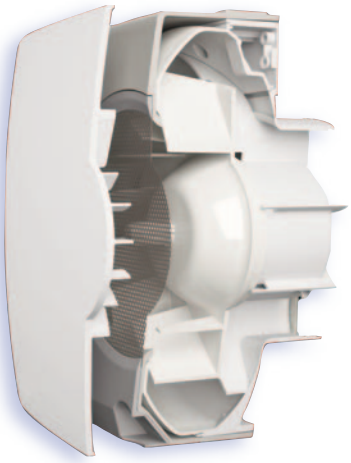
- exhausts directly to the outside (through wall or through longer lengths of ducting, or window (with additional kit)
- sfp down to 0.17 W/l/s
- easy and economical to install and maintain
- runs continuously at pre-selected choice of six speeds (fixed at installation).
- sensor recognises changes in system pressure and ensures air flow is maintained at pre-set rate
- Speed 1 operates at 5 l/s
- Speed 2 operates at 8 l/s
- Speed 3 operates at 11 l/s
- Speed 4 operates at 13 l/s
- Speed 5 operates at 16 l/s
- Speed 6 operates at 20 l/s
- speed boosted to maximum (27.8 l/s) using integral pull cord or by:
  - remote switch/light switch
  - PIR sensor
  - DRH240 (dynamic remote humidistat)
- anti-vibration gasket
- with data logger for number of hours run and number of power outages
- can be installed at fixed speed
- energy saving ventilation
- extremely low running costs
- low carbon footprint
- 7 year warranty

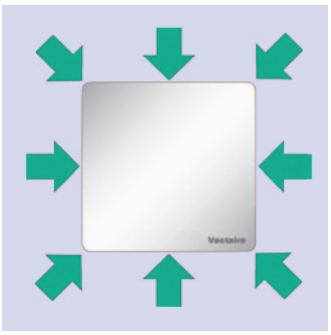
TECHNICAL FEATURES

- shockproof, high quality technopolymer casing
- designed using latest wind tunnel technology and CFD simulations
- EC induction motor with thermal protection
- 43,000 hour life motors with maintenance free and long life ball bearings
- operates in ambient temperatures up to 40°C
- double insulated - no earth required
- IPX4 Splashproof rated - can safely be installed in Zones I and II

COMPLIES WITH

- Building Regulations for enhanced energy saving capability
- Building Regulations for reliable, efficient ventilation
- EU RoHS Directive Compliant.
- Complies with IEC60335-2-80, LVD2006/95/CE and EMC2014/30/UE (European Directive against radio interference and electro-magnetic compatibility
- CE marked
- SAP PCDB Listed





MODELS AVAILABLE:

- MFCF100 - 7 speed, constant flow, continuous running, cord or remote
- MFCF100DT - 7 speed, constant flow, continuous running with comfort timer (timer does not activate unless fan has been running for 2 minutes to avoid unnecessary night-time operation) and pull-cord
- MFCF100HDT - 7 speed, constant flow, continuous running with comfort timer, humidistat (increases speed to next level when humidistat operation is started) and pull-cord
- MFCF100LV - 7 speed, constant flow continuous running with pull-cord - LOW VOLT (SELV)
- MFCF100DTLV - 7 speed, constant flow continuous running, with comfort timer, and pull-cord LOW VOLT (SELV)
- MFCF100HDTLV - 7 speed, constant flow, continuous running with comfort timer, humidistat (increases speed to next level when humidistat operation is started) and pull-cord - LOW VOLT (SELV)

N.B timer adjustable from 0-30 mins

Vectaire Ltd can supply all accessories for use with these units, including product filters. air filter cassettes, silencers, fire dampers, air valves, ducting, outside grilles and wall cowls. Additionally, Vectaire offers a design service to ensure that the unit installed is the best possible to provide efficient, effective, low energy and low running cost ventilation. Vectaire can also organise installation, commissioning and maintenance of these products.

N.B These fans are NOT suitable for use with Gravity Grilles. They should be installed using either Cowls or Fixed Grilles. Only approved accessories should be used:

Wall Plates – as required
Window kits – as required
Wall terminations – all wall terminations must use the approved wall cowl or high rise kit

"CERTO" MFCF100

TECHNICAL CHARACTERISTICS MFCF100							
	Trickle 1	Trickle 2	Trickle 3	Trickle 4	Trickle 5	Trickle 6	Boost
Airflow l/sec	5	8	11	13	16	20	27.8
dBA @ 3m in free field	<11	<11	11	16	22	28	36

RESULTS for SAP CALCULATIONS
ENERGY LEVEL PERFORMANCE - using rigid ducting only

Unit Configuration	Specific Fan Power (W/l/s)	Flow Rate (l/sec)
In room - kitchen	0.24	13.0
In room - wetroom	0.20	8.0
Through wall - kitchen	0.18	13.0
Through wall - wetroom	0.17	8.0

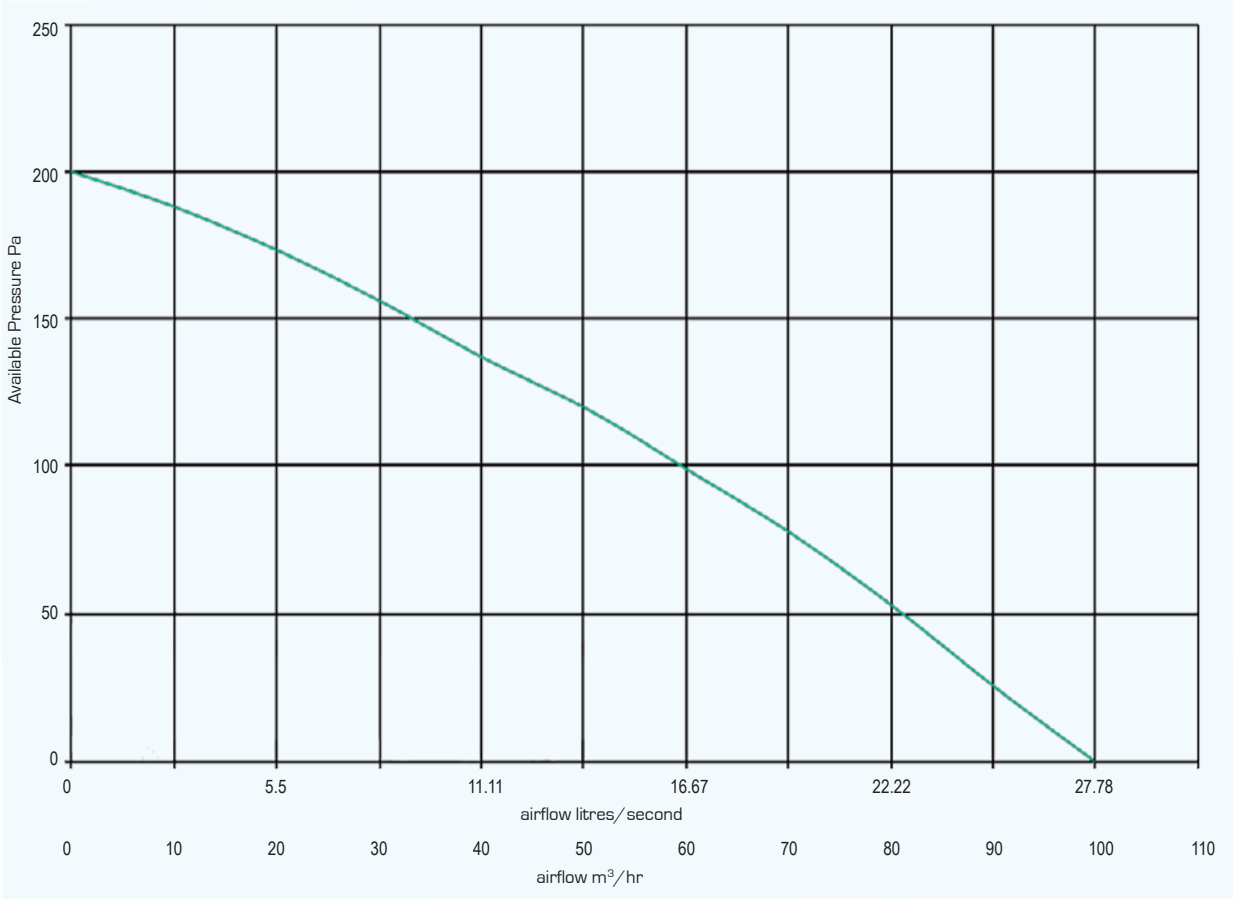
Figures from BRE test results at minimum flow rate conditions

Decentralised Mechanical Extract Ventilation - dMEV

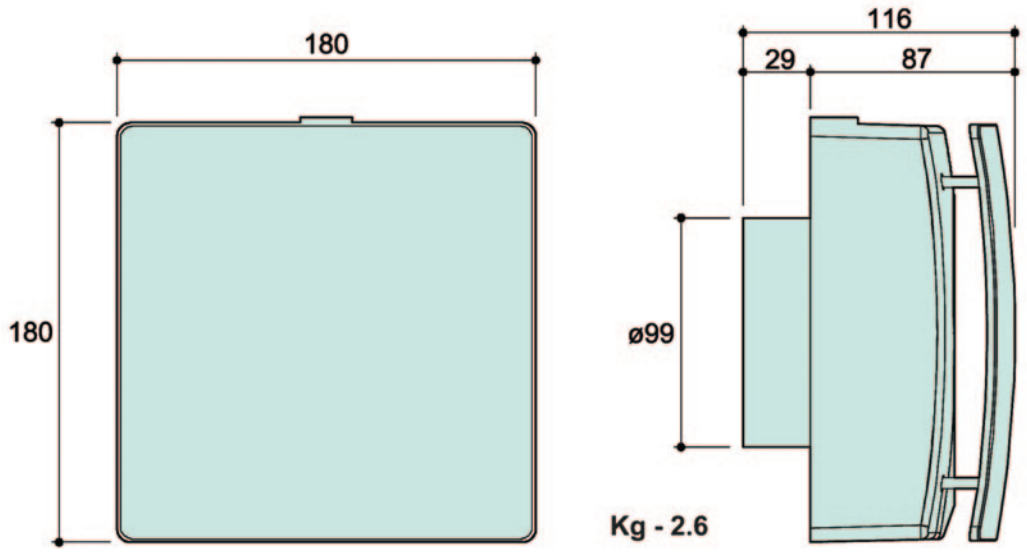
Constant Flow

"CERTO" MFCF100

PERFORMANCE - MAXIMUM SPEED (curve for guidance only)



DIMENSIONS - mm



Vectaire Ltd, Lincoln Road, Cressex Business Park, High Wycombe, Buckinghamshire, HP12 3RH
Tel: +44 (0)1494 522333. Email: sales@vectaire.co.uk

E & O.E