

Domus Ventilation Specification

for
Sapphire
Decentralised Mechanical Extract
Ventilation (dMEV)
100mm Energy Efficient Centrifugal
Fans



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Scope of Works

Decentralised Mechanical Extract Ventilation (dMEV) Applications System 3

100mm - Bathroom | Toilet | Utility Room | Kitchen

A (Sapphire) Decentralised Mechanical Extract Ventilation (dMEV) centrifugal fan shall be installed to continuously extract stale waste air from a wet room, in line with the requirements of Approved Document F of the Building Regulations (F1 Means of Ventilation).

The fan shall be capable of mounting on a wall or ceiling and operate at a sound level down to 18dB(A) @ 3m, at a background rate, whilst also providing a Specific Fan Power less than 0.70 W/l/(s).

The fascia of the fan shall appear as a single, smooth surface for discreet integration within the wet room.

Low voltage, timer and humidistat dMEV fan options shall be made available across the range.

Manufacturer

Domus Ventilation

Product Range

Part of the Sapphire range

Materials

White UV stabilised and fire retardant ABS

Size

100mm

Performance Data

Description	230V	SELV (230/12V)
Specific Fan Power W/(l/s)		
Through-Wall Kitchen	0.29	0.29
Through-Wall Other Wet Room	0.35	0.35
In-Room Kitchen	0.29	0.29
In Room Other Wet Room	0.35	0.35
Sound dB(A)@3m	18*	18*
Supply Frequency (Hz)	50	50
Weight (kg)	0.85	0.85
IP Rating	X4	X4
Max Operating Temperature (°C)	40	40
Wall-Fit Hole Diameter (mm)	110	110
Warranty	2 yrs	2 yrs

*At background rate

Appendix A

Range Details

Description: Sapphire 100mm Green Line Centrifugal dMEV Fan

Codes:

Code	Control
DME100C	Timer and humidistat
DME100LVC	SELV with timer and humidistat