

TECHNICAL DATA SHEET ECO dMEV+ LC | Decentralised Mechanical Extract Ventilation



KEY FEATURES

- ✓ Constant volume, continuously running extract ventilation with adjustable trickle speeds
- ✓ Interval and start up timer control options when in intermittent mode
- ✓ Fitted with low watt DC motors for minimum energy consumption down to 1 Watt
- ✓ Incredibly quiet running below 20 dB(A)
- ✓ Timer, humidity sensor, pullcord and PIR models available
- ✓ SAP PCDB Listed achieving a low Specific Fan Power of 0.22 W/l/s
- ✓ Adjustable trickle speed settings ranging from 4l/s to a maximum of 18l/s
- ✓ 2 year warranty
- ✓ Intermittent control option

PRODUCT

The Eco dMEV+ LC is a decentralised mechanical extract ventilation fan unit, incorporating adjustable trickle settings and constant volume technology.

APPLICATION SUITABILITY

The Eco dMEV+ LC is ideal for residential properties, and is suitable for wall or ceiling mounting in WCs, bathrooms and kitchens. The fan is flexible, incorporates a 100mm spigot and a variety of models including timer, humidistat, pullcord and PIR options. The fan also has an option to run intermittently via a switch on the back of the fan.

INSTALLATION

Full installation guide is enclosed with all products; or sent separately in advance - if required.

MOTOR

The motor is a Low Watt DC motor, which is assembled on silent elastic blocks, fitted with sealed for life ball bearings for enhanced working life and exceptionally quiet running, at <20 dB(A).

FAN

The ECO dMEV+ LC incorporates a centrifugal fan designed to run continuously on trickle and constant volume, with the facility to boost to maximum air volume via a switch, pullcord, humidity sensor or PIR sensor.

SERVICING / MAINTENANCE

The unit incorporates a filter gauze for ease of maintenance.

WARRANTY

The Eco dMEV+ LC is covered by a 2 year warranty.

CONSTANT VOLUME

The 'constant volume' technology ensures maximum efficiency and that the commissioned airflow rate is delivered despite any resistance encountered in the ductwork or filters.

CONTROLS

Eco dMEV+ LC is available in various models which include integral controls. The options available include an adjustable timer, humidistat, pullcord and PIR sensor. Further details on set points for the timer and humidistat can be found in the installation guide.

The Eco dMEV+ LC also has an option to run intermittently with adjustable speed settings. There are further control options available including interval running for prolonged or low humidity, and a start up timer function. Further details on these settings can be found in the installation guide.

TECHNICAL SPECIFICATIONS

Maximum Flow Rate	18l/s (64.8m ³ /hr)
Motor	DC
Specific Fan Power	Down to 0.22 W/l/s
Electrical Supply	230V / 1PH / 50Hz
Max Absorbed Power	9W
Protection Class	IPX4 (IP57 SELV)
Spigot (mm)	100mm
Dimensions (mm)	158 X 158 X 127 (including spigot)
Weight	0.57kg

TECHNICAL DATA SHEET

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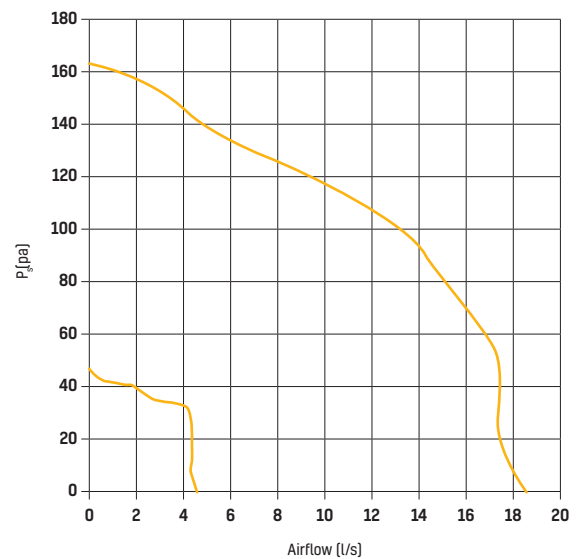
SOUND DATA

		SOUND POWER LEVELS (Lw dB(A))									Sound Pressure Levels
		Frequency (Hz)									
Flow (m³/h)	Flow (l/s)	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	TOTAL dB(A)	dB(A) @ 3m
58	16	37.3	38.2	48.5	44.0	50.2	52.8	44.3	35.3	56.0	35.46
16	4	14.0	21.4	30.4	23.1	26.8	23.3	16.7	14.0	33.0	12.46

PRODUCT CHARACTERISTICS DATABASE (PCDB)

Systems with rigid ductwork (installation only)			
Unit configuration	Location	Flow Rate (l/s)	Specific Fan Power (W/l/s)
In room (Ducted)	Kitchen	13	0.35
	Wet Room	8	0.24
Through wall	Kitchen	13	0.31
	Wet Room	8	0.22

PERFORMANCE CURVE



DIMENSIONS (MM)

SAP 10

