

ECO dMEV LC

Extract Ventilation Unit for WCs, Bathrooms and Kitchens



About

The ECO dMEV LC has been designed and developed to offer the market a centrifugal extract fan with optimum versatility to operate continuously or intermittently.

Ideal for all domestic applications, WCs, bathrooms, utility rooms and kitchens. It is a 100mm continuously running or intermittent extract fan, which can be fitted in wall, ceiling or panel installations.

Features & Benefits

- Continuous running or intermittent operation
- Ideal for WCs, bathrooms, kitchens and utility rooms
- Timer, humidity sensor, pullcord and PIR models
- Fitted with low watt DC motors for minimum power consumption
- Stylish features with 4 interchangeable front panel trims
- Exceptional performance – SAP Appendix Q eligible

✓
Low Energy

✓
Compact

✓
Stylish

✓
Ultra Quiet

5 Innovative Models

In addition to the standard ECO dMEV LC fan, which can be boosted or operated by an external switch, the following 4 versions are available:

ECO dMEV T LC:

In continuous operation the fan operates the same as the standard model with the addition of an adjustable run-on timer, which allows the fan to run on boost mode between 1 to 30 minutes.

In intermittent operation the timer allows the fan to continue to operate for the selected period after the switch has been turned off.

ECO dMEV HT LC:

In continuous operation the boost mode is activated either by the adjustable integral humidity sensor or by an external switch both with timer.

In intermittent operation the humidity sensor starts the fan automatically when the humidity level in the room is higher than the set level, with the facility to override the humidity sensor using an external switch.

ECO dMEV HTP LC:

Same operation as the HT model but using the pullcord instead of an external switch.

ECO dMEV DT LC:

In continuous operation the boost mode is activated by the PIR detector and continues to operate after the selected period set by the timer. In intermittent operation the fan starts automatically when a movement is detected by the PIR detector and continues to operate after the selected period set on the timer.



Stylish Design

Designed with style in mind, the fan adds a touch of elegance to the modern bathroom or kitchen without compromising on performance or quality. The fan is supplied with smart interchangeable front panel trims in four colours.



Powerful, Yet Quiet

Meticulous research and development has gone into the design of the ECO dMEV LC to be able to incorporate a high powered centrifugal fan into the smallest of spaces, delivering incredible quiet noise levels of below 20 dB(A).

Low Voltage Bathroom Fan

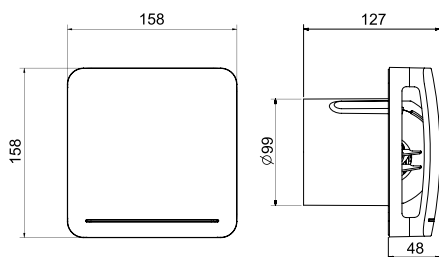
For extra safety, the ECO dMEV LC is also available in a low voltage 17V version. In addition to the standard ECO dMEV 17V, which can be boosted by an external switch, the same four models are available as the 230V version: the timer option, humidity sensor with timer, pullcord with timer and humidity sensor or PIR with timer.



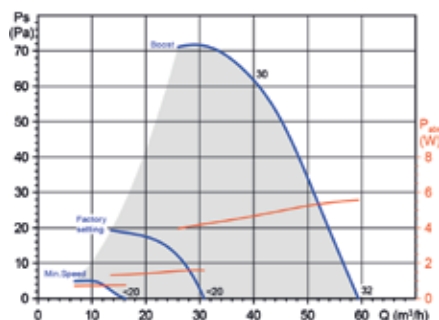
ORDER CODE	DESCRIPTION
ECO DMEV S LC*	Standard model
ECO DMEV T LC*	Adjustable run-on timer model
ECO DMEV HT LC*	Adjustable timer and humidity sensor model
ECO DMEV HTP LC*	Adjustable timer, humidity sensor and pullcord model
ECO DMEV DT LC*	PIR sensor and adjustable timer

*For SELV models, simply add '17V' to the end of the codes above.

Dimensions (mm) ▾



Performance Curve ▾



SAP Appendix Q Performance ▾

Specific Fan Power (W/l/s)	In room (ducted) kitchen	In room (ducted) wet room	Through wall kitchen	Through wall wet room
	0.38	0.26	0.30	0.25

Technical Data ▾

Maximum Airflow		Voltage (V)	Maximum absorbed power (W)		Sound Pressure Level dB(A)*		IP/ Insulation	Weight (Kg)
Min.	Max.		Min.	Max.	Min.	Max.		
15 (m³/h)	60 (m³/h)	230-50/60 Hz	0.8	5.6	<20	32	IPX4 class II	0.57
4 l/s	17 l/s							

*Measured at 3m, at the maximum air volume, in free field condition.

Technical Specification ▾

Product

The ECO dMEV LC shall be a continuous running or intermittent, decentralised Mechanical Extract Ventilation unit, designed to comply with System 3 of the Building Regulations. The low energy fan shall be supplied in a 230V format with adjustable trickle speed settings ranging between 4-13 l/s. The fan shall also come supplied with four interchangeable front panel trims.

Applications

The ECO dMEV LC shall be suitable for wall, ceiling or panel mounting in WC's, bathrooms and kitchens.

Performance

	Systems with rigid ductwork (Installation only)			
	In Room (Ducted) Kitchen	In Room (Ducted) Wet Room	Through Wall Kitchen	Through Wall Wet Room
Total Flow Rate (l/s)	14.3	8.5	14.9	8.7
Specific Fan Power (W/l/s)	0.38	0.26	0.30	0.25

Installation

A full installation guide shall be enclosed with all products; or sent separately in advance – if required.

Motor

The motor shall be a 230V 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 down as low as 20 dB(A).

Fan

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

Servicing / Maintenance

The motor compartment shall be easily removed to be cleaned or serviced by a competent person. The fan shall only require periodical cleaning using a cloth lightly impregnated with a soft detergent.

Guarantee

The ECO dMEV LC shall be covered by a 2 year warranty.

Compliance

The fan shall be SAP Appendix Q eligible.

Options & Ancillaries ▾

Description	Code(s)
Standard Wall Kit	1RDEFWAK100
Fixed Louvre Grille	1RDGRILL100



Scan the QR code to find out more about the product or visit: envirovent.com/ecodmevlc