

envirovent®

ECO DMEV+ LC

SAP PCDB Listed Decentralised Mechanical Extract Ventilation Unit



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CAN BE INSTALLED IN
ZONE 1



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 with constant volume technology which can be fitted in wall and ceiling installations.

- ▶ **Constant volume, with a choice of continuous or intermittent operation***
- ▶ **Interval & start up timer control options when in intermittent mode**
- ▶ **18l/s maximum airflow**
- ▶ **Ideal for WCs, bathrooms, kitchens & utility rooms**
- ▶ **Incredibly quiet running below 20 dB(A)**
- ▶ **Timer, humidity sensor, pullcord and PIR models**
- ▶ **Fitted with low watt DC motor for minimum power consumption**
- ▶ **4 interchangeable front panel trims**
- ▶ **Stylish design**
- ▶ **Complies with Local Building Regulations**
- ▶ **Exceptional performance - SAP PCDB Listed**
- ▶ **Highly versatile, can be installed into walls & ceilings**
- ▶ **2 year warranty**



4 Innovative Models

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 continue to run in boost mode for between 1 and 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.

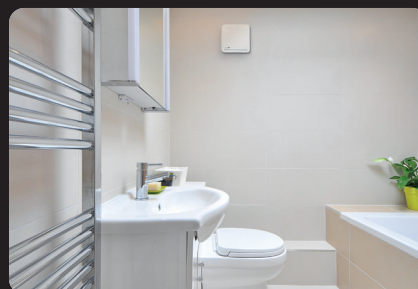
In intermittent operation the humidity sensor starts the fan automatically when the humidity level in the room is higher than the set level, with the facility to override the humidity sensor using an external switch.

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 for the selected period set by the timer. In intermittent operation the fan starts automatically when 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.

Optimum Versatility

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.

*Not suitable for kitchens & utility on intermittent.

Technical Data

Constant Air Volume		Absorbed Power (W)		Sound Pressure Level dB(A)	Weight (Kg)
m ² /h	l/s	Min.	Max.		
14	4	1.0	1.8	12	0.57
65	18	5.8	8.9	35	

SAP Appendix Q Performance

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

Technical Specification

Product

The Eco dMEV+ LC continuous running or intermittent, decentralised Mechanical Extract Ventilation unit with constant volume technology, designed to comply with Local Building Regulations. The low energy fan is supplied in a 230V or SELV format with adjustable speed settings ranging between 4-18l/s. The fan has a maximum speed of 18l/s and also comes supplied with four interchangeable front panel trims.

Intermittent Control Options

Control options are 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.

Application Suitability

The Eco dMEV+ LC is suitable for wall or ceiling mounting in WC's, bathrooms and kitchens. If the fan is being used with intermittent controls, this is not suitable for use in a kitchen or utility room.

Performance

See SAP Appendix Q Performance table.

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, with the facility to boost to maximum air volume via a switch, pullcord, humidity sensor or PIR.

Servicing / Maintenance

The incorporate a filter gauze for ease of maintenance.

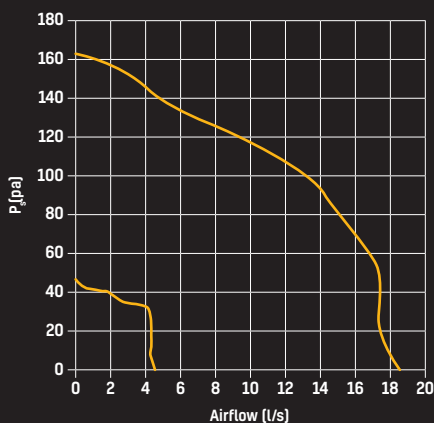
Warranty

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

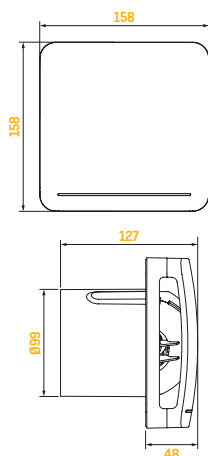
Compliance

The fan shall be SAP PCDB Listed.

Performance Curve



Dimensions (mm)



Options & Ancillaries

CODES(S)	DESCRIPTION
FILTER-KFES	Replacement filter
FILTER-KFEM	Replacement filter (HTP version only)
1RDEFWAK100	Standard wall kit
1RDGRILL100	Fixed Louve Grill



Order Codes

CODES(S)	DESCRIPTION
ECO DMEV+ S LC	Standard model
ECO DMEV+ T LC	Adjustable timer model
ECO DMEV+ HT LC	Adjustable timer & humidity sensor model
ECO DMEV+ HTP LC	Adjustable timer, humidity sensor & pullcord model
ECO DMEV+ DT LC	PIR sensor & adjustable timer model

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