



Sovereign Eco-Merlin Extract Fan

The Eco-Merlin Extract Fan is a near silent running dMEV 100mm (4"), axial fan option for wall, ceiling or window fit applications.



Product Code

Eco Fan: **30806689**

Eco SELV Fan: **30806684**

Description

The Eco-Merlin Extract Fan is a near silent running dMEV 100mm (4"), axial fan option for wall, ceiling or window fit applications. It has an energy efficient ball bearing motor.

The fan is suitable for use in the kitchen and bathroom.

Technical Data

Fan Motor: 12V 1.4 Watts (low speed)

Extract Capacity: 54m³/h (15 ltrs/sec)

Noise dB(A)@metres: 10.8 - 25.2

Supply Voltage: 220/240V AC

How the system works

The fan is suitable for use in the kitchen and bathroom, and is an excellent choice for refurbishment and new development programs.

It comes as a standard version or as a safety extra low voltage (SELV) fan for use in areas designated as Zone 1 or 2.

Construction

A multi speed fan with both Trickle and Boost facilities. Constant trickle speed 6 - 9 litres a second and boost up to 15 litres a second.

Near Silent Running - Designed for optimum tenant comfort to encourage use. As low as 10.8 dBA on trickle.

Meets Current Building Regulations and SAP Q eligible. Specific Fan Power as low as only 0.18 W/L/S.

The Eco-Merlin Extract Fan is a near silent running dMEV 100mm (4"), including safe extra low voltage (SELV) axial fan option for wall, ceiling or window fit applications.



MOTOR

The Eco-Merlin Fans include energy efficient, ball bearing motors that consume as low as 1.4 watts and no more than 4.2 watts. Both 240V and low voltage options offer the same performance.

ENERGY SAVER COWL (RECOMMENDED)

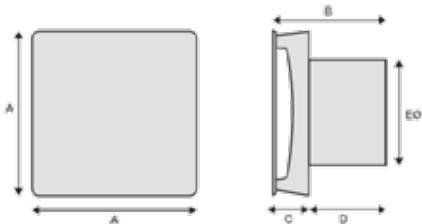
Up to 20% less resistant to airflow making the extract fan up to 20% more energy efficient than when used with a conventional cowl or grille. It also alleviates 'blow back' thus further increasing the extract fan efficiency and reducing energy consumption – all of which contribute to a reduction in the carbon footprint.

INSTALLATION

The IPX7 SELV fan unit may be fitted in either Zone 1 or 2 of a bath/shower room. The transformer must be fitted outside Zone 2 only. For maximum efficiency the fan should be sited at high level, as close as possible to the source of moisture.

In many instances, a Sovereign Passive Vapour Vent, or a Sovereign PIV Concure Unit may need to be fitted within the property, in order to promote good airflow throughout the dwelling.

FAN DIMENSIONS



Casing (mm)	A	B	C	D	E
	159	156	41	155	99
Hole Diameters (mm)	107				

SPECIAL FEATURES

MOTOR

- ✓ Energy Efficient
- ✓ Ball Bearing Motor, provides long life performance
- ✓ Very quiet operation
- ✓ SELV Option Conforms to IEE 17th Edition SELV circuits

HUMIDITY SENSOR

- ✓ Integral Humidity Sensor housed in the fan

GENERAL

- ✓ Extract rate up to 54m³ per hour (15 ltrs/sec)
- ✓ SELV fan option can be positioned in Zone 1 or 2
- ✓ For SELV version, transformer must be positioned outside Zone 2
- ✓ IPX4 (IPX7 for SELV option)

BENEFITS

- ✓ 5 Year Guarantee
- ✓ Lower cost for tenant in keeping with Government Directive regarding energy efficient electrical appliances in Social Housing.
- ✓ No maintenance required.

HEALTH & SAFETY

This product is classified as non hazardous.



Health & safety information
available on request



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