

Datasheet

EcoVolt® EV X MEV Unit



CONTINUOUS MECHANICAL EXTRACT VENTILATION UNIT

The EcoVolt EV X is an energy efficient continuous mechanical extract ventilation (CMEV) unit designed to comply with TGD Part F of the building regulations. The EV X can be installed in multiple positions & its slimline design is particularly suited to installation above false ceilings.

TECHNICAL ADVANTAGES

- Very compact & light (manufactured with polymer technical).
- Extract rate of up to 400 m³/h (771l/s) at 200 Pa.
- Ø160mm exhaust to outside with low pressure loss design, resulting in low noise & low energy consumption.
- IP 44 Rating (high levels of protection against water & solid objects).
- 3 Speed regulation by via potentiometer or optional controller.
- Quiet operation & low energy consumption. Class energetic B. according to Regulation EC n°7253/2074.

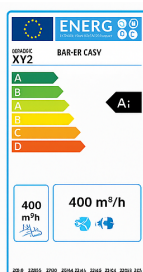
EV X MEV UNIT



INSTALLATION ADVANTAGES

- 4no. 360° & 1 fixed extract duct connections.
- Multiple mounting positions.
- Anti vibrating fixing blocks included as standard.
- 1no. Ø725mm extract connection (725mm to 2x75mm semi rigid adaptor available).
- 4no. Ø75mm semi rigid extract connections.
- Controls front facing for ease of commissioning.
- Removable front cover for ease of maintenance.

CERTIFICATION:



MAXIMUM FLOW: 400 M³/H / LLL 1/S

THANKS TO ITS AERODYNAMIC DESIGN THE EV X ACHIEVES GREATER FLOW WITH LOWER PRESSURE LOSSES.

Example duty points	①	②
Flow (m ³ /h)	120	250
Pressure (Pa)	140	140
Consumption (W)	18	33

1. Ø80mm Extract
2. Ø80mm Extract
3. Ø80mm Extract
4. Ø75mm Extract
5. Ø125mm Extract
6. Ø160mm Exhaust

- Clean the equipment twice a year using a dry brush

- Intended for internal use only.
- Maximum use temperature of 40° C.

- Use rigid or semi rigid ducting only.
- Recommendation for Kitchens: 0725mm (or 2no. 075mm semi rigid ducts).
- Recommendation for Bathrooms & Toilets: 1no. 075mm.
- Recommendation for the exhaust: 0750mm or 220x90mm rectangular.
- Ducting to be installed as straight as possible to avoid increased duct pressures.
- Ensure airtight connections at all points to guarantee performance & avoid noise issues.

- EV X MEV can be automatically humidity controlled.
- All extract airflows to be designed in compliance with TGD Part F: 2079
- All extract points should be installed a minimum of 100m from walls in wet rooms & a minimum of 7.8m from the floor. There must be no obstructions in front of the extract in wet rooms.

- The exhaust duct must exhaust the air via a roof or wall vent with a minimum equivalent area of 11,000mm²