

# Eco-Airmix<sup>®</sup>

## Entrained Air Input Ventilation specifically designed for Classrooms

Automatic fresh-air and room air mixing/blending to ensure comfort conditions without draughts. (Patent Pending).

### SPECIFICATION:

#### Casing:

Casing shall be manufactured from galvanised sheet steel with textured, powder-coat finish in RAL 9010, (White), as standard with air-entrainment feature.

#### Insulation:

Insulation shall be Class 'O', CFC & HFC-free, high-density open-cell foam fully compliant with London Boroughs and CAA flammability and toxicity requirements.

#### Fans:

Fans shall be ultra-low noise, ultra-low energy type with long-life maintenance-free motors. Fully ErP 2013/2015 compliant.

#### Actuators:

Actuators shall be 230V, A.C. open / close rotary type direct-coupled to internal damper shafts.

#### Inlet / Exhaust Louvres:

Louvres shall be low resistance, high free-area type with fitted bird-mesh with alternative of insect screen where specified.

#### Dampers:

Dampers shall be insulated.

#### Discharge Louvres:

Discharge louvres shall be low-noise, low-resistance type fine-tuned to enable full coander effect characteristics.

#### Controller:

Controller shall be Trend IQ Eco 35 fully compatible with Trend BMS Systems.

### Technical Data:

Airflow	Airflow	Max.	Max.	Max.
(Passive)	(Powered)	Input	Current	Sound
(l/s)	(l/s)	(W)	(A)	(dBA)
160	260	31	0.2	29

### Control Protocol:

- Unit 'on' via time-clock or BMS (Passive mode).
- Switch to 'boost', (fans on), via CO<sub>2</sub> or temp. sensor.
- Purge mode, (night cooling), via intelligent controller.

### Eco-Airmix Features:

- Passive mode using no power.
- Powered mode for CO<sub>2</sub> control + summer cooling.
- Ultra-low power input (Max. S.F.P. = 0.12 W/l/s).
- Ultra-low sound level (Max. 29dBA).
- Matching passive exhaust unit.
- Trend Controller.
- Integral insulated shut-off damper.

0.12  
W/l/s  
SFP  
Max.

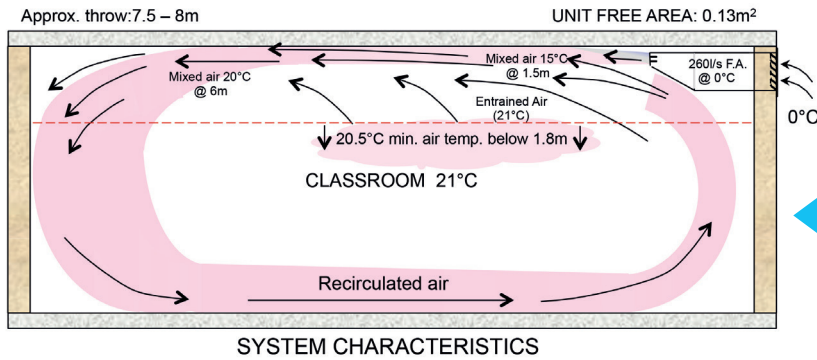
## Eco-Airmix EAM260



- ✓ FULLY COMPLIANT WITH BB101 2017
- ✓ BSRIA ACCREDITATION
- ✓ TREND BMS CONTROL
- ✓ ULTRA LOW SOUND LEVEL
- ✓ ULTRA LOW ENERGY POWERED MODE
- ✓ PASSIVE MODE
- ✓ MATCHED PASSIVE EXHAUST UNIT



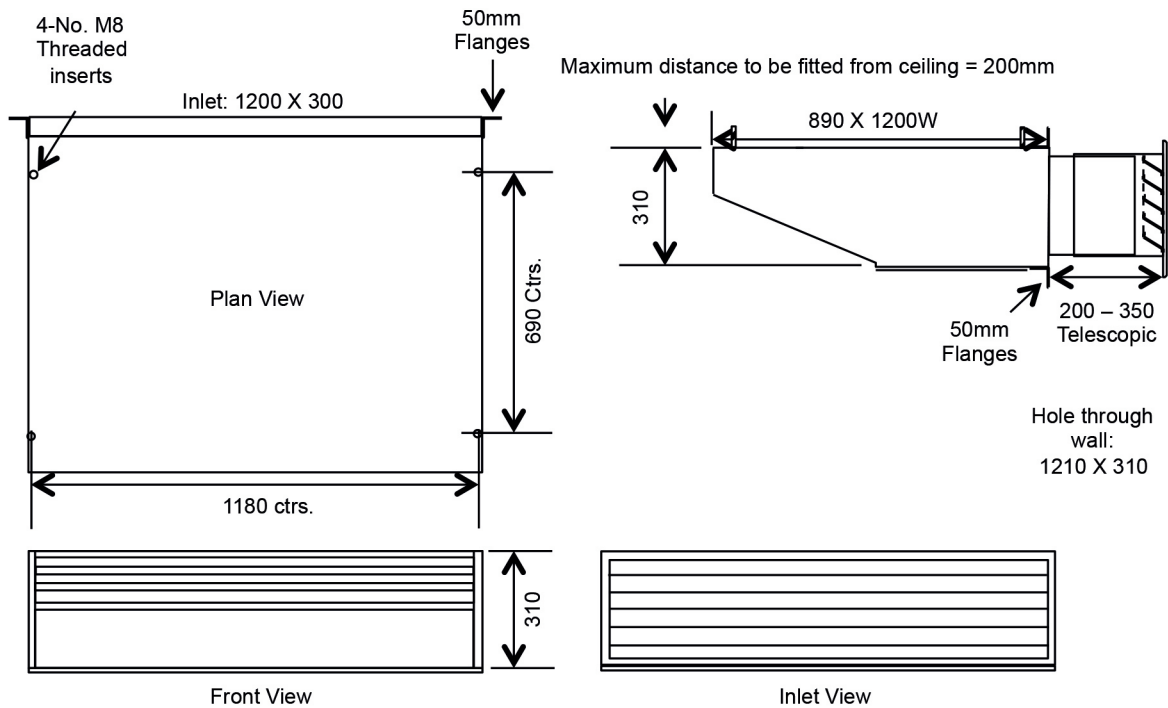
Made  
in the  
UK



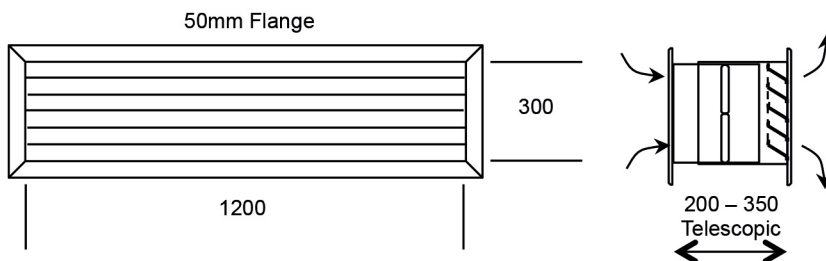
## Eco-Airmix EAM260

Figures based on extensive testing at  
BSRIA research laboratories, Bracknell UK

### Dimensions: Eco-Airmix



### Dimensions: Eco-Airex Exhaust Unit



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