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FANTECH FTC463843 Owner's Manual

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AEV 80

Fresh Air Ventilator
Product no.: 463843



Suitable for temperate climates where balanced ventilation is needed, an Air Exchanger Ventilator (AEV 80) is designed to provide fresh air into a building while exhausting an equal amount of stale air. During the winter months, the incoming cold fresh air is warmed by mixing it with return air before it is supplied to the home. During summer months when the indoor space is air conditioned, the AEV will help in cooling the incoming fresh air with the stale air that is being exhausted.

Features

- MERV 8 Washable synthetic filter
- Unit can be installed in any position
- External three position (Low/Standby/Medium)
- Weighs 24lbs (11 Kg)

Accessories

- MDEH1 (included) – Dehumidistat
- MERV13 (optional) – Pleated Filter

Specifications

- Duct size – 5" (127 mm)
- Voltage/Phase – 120/1
- Power rated – 88 W
- Amp – 0.7 A
- Average airflow – 82 cfm (69 L/s)
@ 0.2" P_s (50 Pa)

Fans

Two (2) factory-balanced fans with backward curved blades. Motors come with permanently lubricated, sealed ball-bearings to guarantee long life and maintenance-free operation.

Serviceability

Filter can be easily serviced through access door located on front of the cabinet. Electrical box, with its panel located on the outside of the unit, can also be easily accessed.

Case

24 gauge galvanized pre-painted steel corrosion resistant

Insulation

Cabinet is fully insulated with 1" (25 mm) high density expanded polystyrene.

Filters

MERV 8 Washable Synthetic Filter, 12.4" (315mm) x 11.18" (284mm) x 0.125" (3mm). Optional MERV 13 pleated filter is available for areas that it is required.

Controls

External three (3) position (Low/Stand By/Medium) rocker switch that will offer continuous ventilation. Fantech offers a variety of external controls. (see accessories)

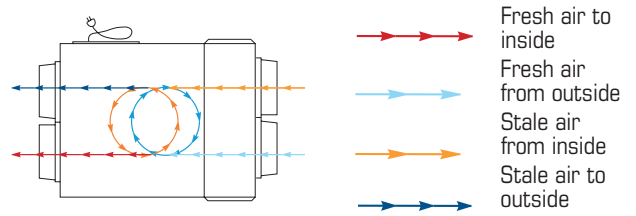
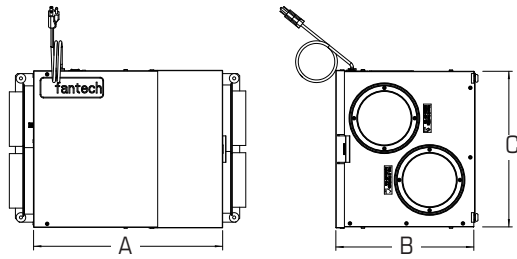
Installation

Mounting bolts provided on top four (4) corners of unit. Unit can also be hung in the basement or attic. (see illustrations on back page)

Warranty

7 year on motors, and 5 year on parts.

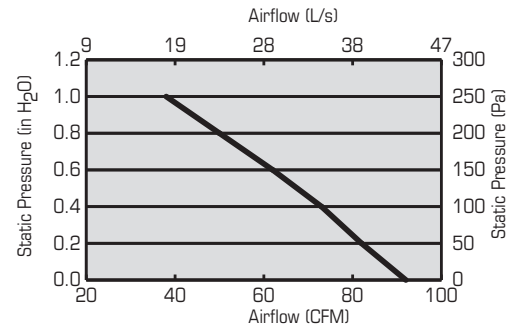
Dimensions & Airflow



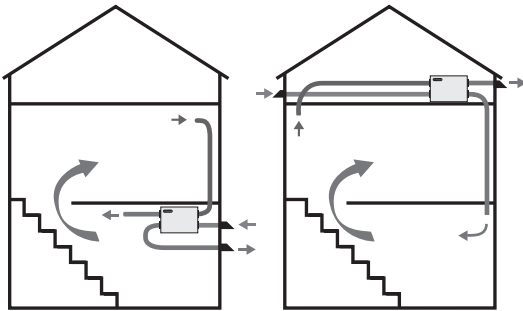
| Model | A | | B | | C | |
|--------|--------|-----|--------|-----|----|-----|
| | in | mm | in | mm | in | mm |
| AEV 80 | 17 1/8 | 435 | 12 1/2 | 318 | 14 | 358 |

Ventilation Performance

| in. wg. (Pa) | 0.0 (0) | 0.2 (50) | 0.4 (100) | 0.6 (150) | 0.8 (200) | 1.0 (250) |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | cfm (L/s) | cfm (L/s) | cfm (L/s) | cfm (L/s) | cfm (L/s) | cfm (L/s) |
| Supply airflow | 92 (43) | 82 (37) | 73 (34) | 62 (29) | 50 (24) | 38 (18) |
| Exhaust airflow | 92 (43) | 82 (37) | 73 (34) | 62 (29) | 50 (24) | 38 (18) |



Installation



Requirements and standards

- Complies with the CSA C22.2 no. 113 Standard applicable to fans and ventilators
- Complies with the CSA F326 requirements regulating the installation of Residential Mechanical Ventilation Systems

Contacts

| | |
|-----------------------|-------------|
| Submitted by: | Date: |
| Quantity: Model: | Project #: |
| Comments: | |
| Location: | |
| Architect: | |
| Engineer: | Contractor: |

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