

# ATMO™ 150H

## Heat Recovery Ventilator (HRV)

Product #: 463888



ATMO

Product  
Name

150

Approximate  
CFM @ 0.4  
in. w.g.

H

Heat  
Recovery

Fantech's side port connection HRV for budget conscious house projects; the ATMO 150H unit brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the transferred heat from the outgoing air. During summer, the incoming air is pre-cooled if the house is has an air cooling system. The ATMO 150H is equipped with automatic defrost mechanisms so you can use your HRV all year long.

### Features

- Compact design
- Fans with backward curved blade
- Electrostatic filters (washable)
- Polypropylene heat recovery core
- Removable screw terminal for easy connection with external access
- Multiple speed operation

### Specifications

- Duct size – 6 in. (152 mm)
- Voltage/Phase – 120/1
- Power rated – 168 W
- Amp – 1.4 A
- Average airflow – 161 CFM (76 L/s)  
@ 0.4 in. w.g (100Pa)
- Weight – 42 lbs (19 kg) including core

### Requirements and standards

- UL 1812
- CSA C22.2 no. 113
- CSA F326
- Technical data was obtained from published results of test relating to CSA C439 Standards
- HVI Certified

### 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.

### Heat Recovery Core

Core dimensions are 12 in. x 12 in. (305 x 305 mm) with a 10 in. (254 mm) depth. Our polypropylene heat exchangers are designed and manufactured to withstand extreme temperature variations.

### Defrost

A preset defrost sequence is activated at an outdoor air temperature of 23°F (-5°C) and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues cycle.

### Serviceability

Core, filters, fans and drain pan can be easily accessed through latched door. Core conveniently slides out on our new easy glide core guides. 17 in. (432 mm) of clearance is recommended for removal of core.

### Case

22 gauge galvanized steel cabinet with a pre-painted steel corrosion resistant door.

### Insulation

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

### Filters

Two (2), UL900 certified, washable electrostatic panel type air filters 10 in. (254 mm) x 11.9 in. (302 mm) x 0.125 in. (3 mm).

### Compatible Controls

Compatible with all Fantech controls.

### Installation

Unit is typically hung by using installation kit supplied with unit. Mounting chains inserted on hooks located on top four (4) corners of unit. An optional wall bracket is available.

### Warranty

7 years on motor, 5 years on electrical components and core.



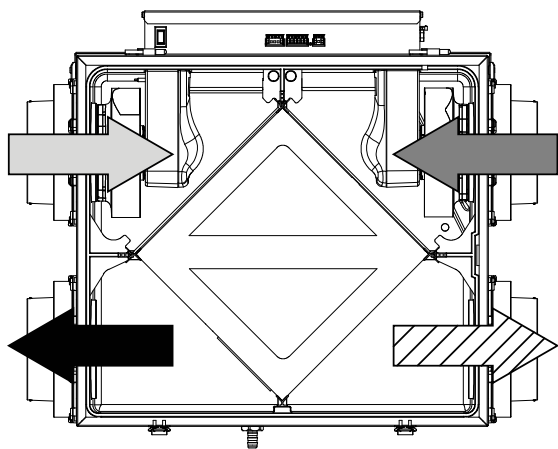
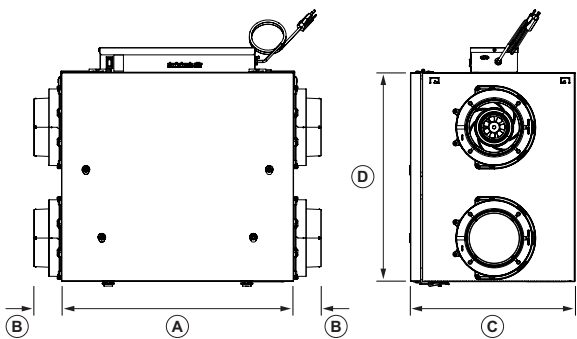
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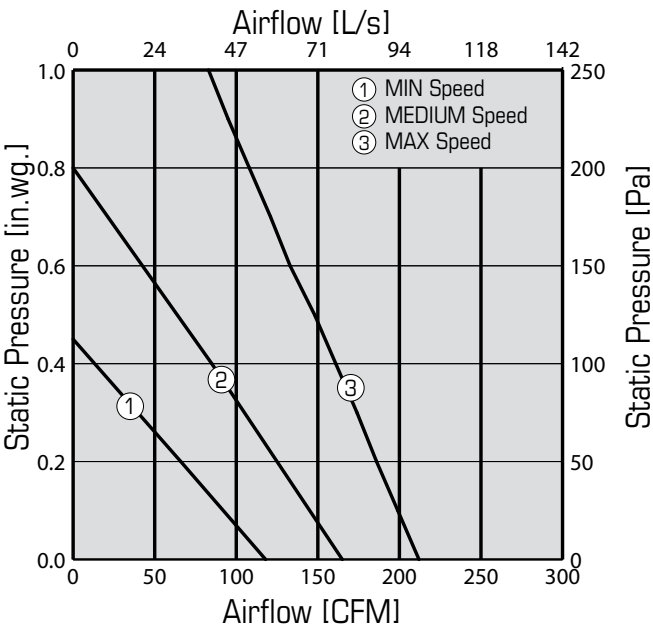
Dimensions & Airflow



| A  |    | B  |    | C  |    | D  |    |
|----|----|----|----|----|----|----|----|
| in | mm | in | mm | in | mm | in | mm |

|        |     |        |     |          |     |         |     |
|--------|-----|--------|-----|----------|-----|---------|-----|
| 23 7/8 | 606 | 29 1/2 | 750 | 11 15/16 | 303 | 21 7/16 | 546 |
|--------|-----|--------|-----|----------|-----|---------|-----|

All units feature three foot plug-in power cord with 3-prong plug.



Ventilation Performance

| in.wg. (Pa)           | 0.1 (25)  | 0.2 (50)  | 0.3 (75)  | 0.4 (100) | 0.5 (125) | 0.6 (150) | 0.7 (175) | 0.8 (200) |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                       | CFM (L/s) | CFM (L/s) | CFM (L/s) | CFM (L/s) | CFM (L/s) | CFM (L/s) | CFM (L/s) | CFM (L/s) |
| Net supply airflow    | 199 (94)  | 186 (88)  | 174 (82)  | 161 (76)  | 148 (70)  | 133 (63)  | 121 (57)  | 108 (51)  |
| Gross supply airflow  | 203 (96)  | 191 (90)  | 178 (84)  | 165 (78)  | 153 (72)  | 138 (65)  | 125 (59)  | 112 (53)  |
| Gross exhaust airflow | 208 (98)  | 195 (92)  | 182 (86)  | 170 (80)  | 157 (74)  | 142 (67)  | 129 (61)  | 117 (55)  |

Energy performance

| Heating | Supply temperature |     | Net Airflow |     | Power | Fan efficacy | Sensible recovery efficiency | Adjusted sensible recovery efficiency | Latent recovery / moisture transfer |
|---------|--------------------|-----|-------------|-----|-------|--------------|------------------------------|---------------------------------------|-------------------------------------|
|         | °F                 | °C  | CFM         | L/s | W     | CFM/W        | %                            | %                                     |                                     |
|         | 32                 | 0   | 64          | 30  | 54    | 1.1          | 74                           | 80                                    | 0.00                                |
|         | 32                 | 0   | 148         | 70  | 109   | 1.3          | 65                           | 70                                    | 0.00                                |
|         | -13                | -25 | 66          | 31  | 55    | 1.2          | 60                           | 63                                    | 0.00                                |

Contacts

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Quantity: \_\_\_\_\_ Model: \_\_\_\_\_ Project #: \_\_\_\_\_

Comments: \_\_\_\_\_

Location: \_\_\_\_\_

Architect: \_\_\_\_\_

Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_

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