ATMO™ 150H

Heat Recovery Ventilator (HRV)

Product #: 463888



ATMO	150	H
Product Name	Approximate CFM @ 0.4 in. w.g.	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 3/4 in. (19 mm) high density expanded polystyrene.

Filters

Two (2), UL900 certified, washable electrostatic panel type air filters 10 in. (254 mm) x 11 7/8 in. (302 mm) x 1/8 in. (3 mm).

Compatible Controls

Compatible with all Fantech controls.

Installation

This appliance can be wall mounted using the mounting bracket or hung from the ceiling with the hanging chain installation kit.

Warranty

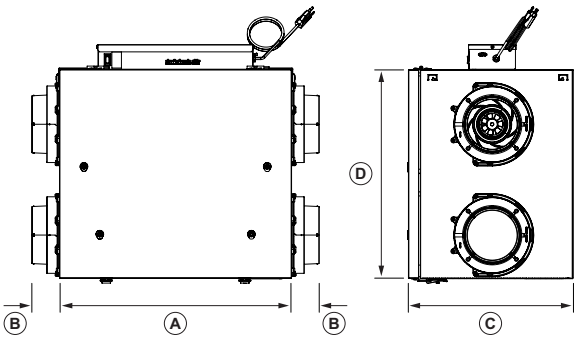
Limited lifetime on counterflow exchanger, 7 year on motors, and 5 year on parts.

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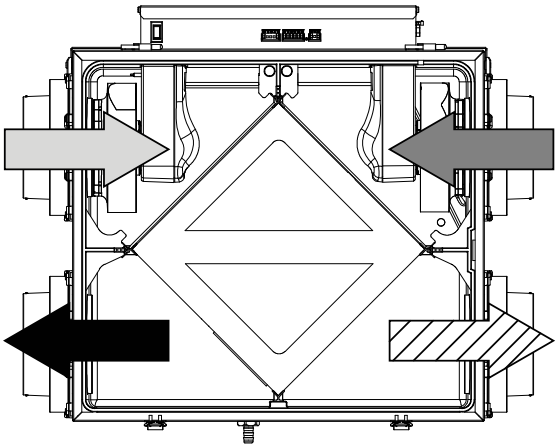
Dimensions & Airflow

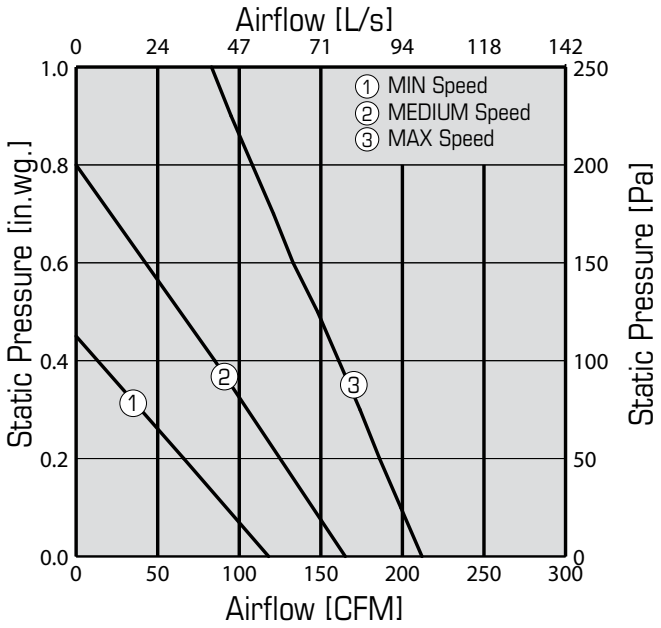


A		B		C		D	
in	mm	in	mm	in	mm	in	mm
23 7/8	606	29 1/2	750	11 15/16	303	21 7/16	546

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:

Distributed by: