

SHR 150R

Heat Recovery Ventilator

Product #: 99214



Fantech's side port connection HRV for budget conscious house projects, the SHR 150R 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 heat that is transferred from the outgoing air so you save on energy costs, while during summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The SHR 150R 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)
- Aluminum heat recovery core
- Removable screw terminal for easy connection
- Lightweight 49 lbs (22Kg)
- Multiple speed operation
- Internal recirculation defrost
- ENERGY STAR® Qualified

Optional Controls

- ECO-Touch™ (#44929) – Programmable Touch Screen Wall Control
- EDF7 (#44883) – Electronic multi-function dehumidistat
- EDF1R (#40393) – Multi-function dehumidistat
- RTS2 (#40164) – 20 minute timer over-ride
- RTS3 (#40376) – 20/40/60 minute timer
- RTS5 (#44794) – 20/40/60 minute timer
- MDEH1 (#40172) – Dehumidistat

Specifications

- Duct size – 6" (152 mm)
- Voltage/Phase – 120/1
- Power rated – 156 W
- Amp – 1.4 A
- Average airflow – 159 cfm (75 L/s)
@ 0.4" P_s (100Pa)

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

Aluminum heat recovery core covered by a limited lifetime warranty. Core dimensions are 9" x 9" (229 x 229 mm) with a 15" (380 mm) depth. Our heat exchangers are designed and manufactured to withstand extreme temperature variations.

Defrost

The SHR 150R incorporates a unique and quiet internal recirculation defrost that does not depressurize the home during the defrost cycle. A preset defrost sequence is activated when the outdoor temperature falls below 23°F (-5°C) and automatically adjusts itself based on operating conditions. The fan speed is also adjusted automatically to provide a smooth and quiet transition between Ventilation & Defrost mode.

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" (432 mm) of clearance is recommended for removal of core.

Case

24 gauge galvanized pre-painted steel corrosion resistant.

Insulation

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

Filters

Two (2) washable electrostatic panel type air filters 8.5" (216mm) x 15" (380mm) x 0.125" (3mm).

Controls

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

Installation

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

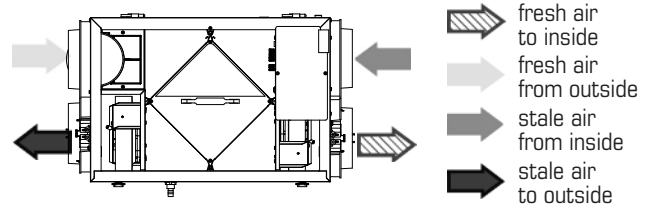
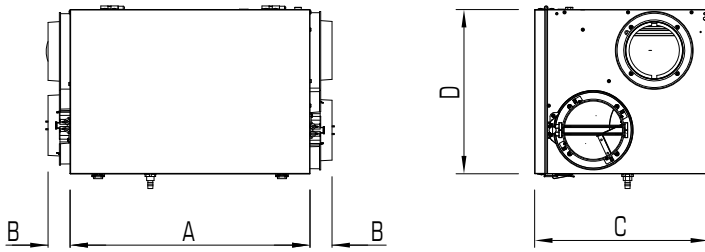
Warranty

Limited lifetime on aluminum core, 7 year on motors, and 5 year on parts.



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Dimensions & Airflow



Model	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm

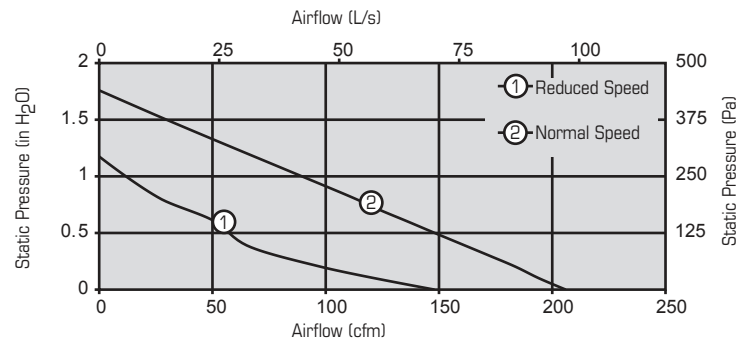
SHR 150R 23 3/4 604 2 1/8 55 17 1/4 438 16 1/4 414

Clearance of 17" (432 mm) in front of the unit is recommended for removal of core. All units feature three foot plug-in power cord with 3-prong plug.

Ventilation Performance

in.wg. (Pa)	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)
Net supply airflow	181 (85)	157 (74)	134 (63)	111 (52)	87 (41)
Gross supply airflow	184 (87)	160 (76)	136 (64)	113 (53)	89 (42)
Gross exhaust airflow	184 (87)	160 (76)	136 (64)	113 (53)	89 (42)

Only the data of the normal speed are HVI certified.



Energy performance

Heating	Supply temperature		Net airflow		Consumed power	Sensible recovery efficiency	Apparent sensible effectiveness
	°F	°C	cfm	L/s	W	%	%
	32	0	85	40	70	66	79
	32	0	100	47	86	63	79
	32	0	187	88	156	55	64
	-13	-25	89	42	99	60	72

Requirements and standards

- Complies with the UL 1812 requirements regulating the construction and installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with the CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from published results of test relating to CSA C439 Standards
- HVI certified and ENERGY STAR® qualified*

* This product earned the ENERGY STAR® by meeting strict efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR® requirements only when used in Canada.

Contacts

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

Distributed by:

United States 10048 Industrial Blvd. • Lenexa, KS 66215 • 1.800.747.1762 • www.fantech.net

Canada 50 Kanafllakt Way • Bouctouche, NB E4S 3M5 • 1.800.565.3548 • www.fantech.net

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