

# SHR 150R

## Heat Recovery Ventilator

Product #: 463865



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 50 lbs (22.68 Kg)
- Multiple speed operation
- Internal recirculation defrost

### Optional Controls

- ECO-Touch<sup>IAQ</sup> – Programmable Touch Screen Wall Control
- ECO-Feel – Automatic IAQ Control
- EDF7 – Electronic multi-function dehumidistat
- EDF1R – Multi-function dehumidistat
- RTS-W – Wireless 20/40/60 minute timer
- RTS2 – 20 minute timer over-ride
- RTS5 – 20/40/60 minute timer
- MDEH1 – Dehumidistat

### Specifications

- Duct size – 6" (152 mm)
- Voltage/Phase – 120/1
- Power rated – 156 W
- Amp – 1.6 A
- Average airflow – 159 cfm (75 L/s)  
@ 0.4" P<sub>s</sub> (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

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

### 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)

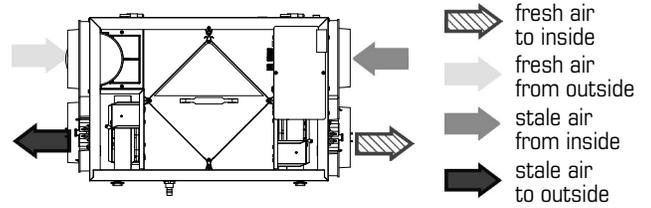
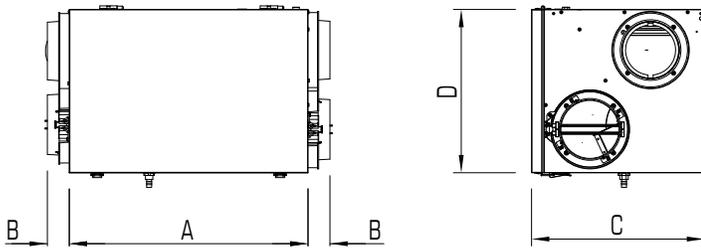
### Installation

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.

## Dimensions & Airflow



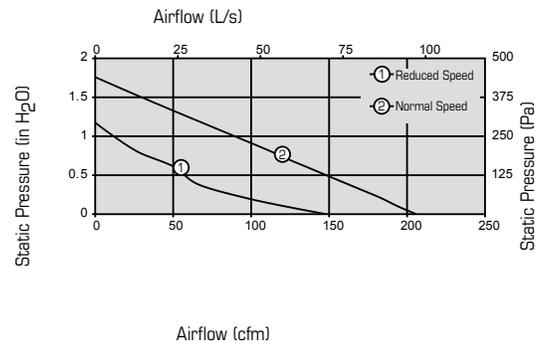
Model	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
SHR 150R	23 3/4	604	2 1/8	55	17 1/4	438	16 3/4	414

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)				
Net supply airflow	176 (83)	155 (73)	129 (61)	108 (51)	87 (41)
Gross supply airflow	178 (84)	157 (74)	131 (62)	110 (52)	87 (41)
Gross exhaust airflow	178 (84)	157 (74)	131 (62)	110 (52)	87 (41)

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 <sup>1</sup>
	°F	°C	cfm	L/s	W	%	%
	32	0	85	40	73	66	79
	32	0	100	47	108	63	79
	-13	-25	89	42	107	60	72

<sup>1</sup> Not an HVI certified value

## 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

## Contacts

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

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