

VHR 150R

Heat Recovery Ventilator

Product #: 44859



Features

- 6" (152mm) oval duct connections with integrated airflow measurement
- Compact design
- Backward curved blade motors
- Electrostatic filters (washable)
- Aluminum heat recovery core
- Removable screw terminal for easy connection
- Lightweight 44 lbs (20Kg)
- Multiple speed operation
- Internal recirculation defrost

Controls

- ECO-Touch™ (#44007) – Programmable Touch Screen Wall Control
- EDF7 (#44883) – Electronic multi-function dehumidistat
- RTS2 (#40164) – 20 minute timer over-ride
- RTS5 (#44794) – 20/40/60 minute timer
- MDEH1 (#40172) – Dehumidistat

Specifications

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

Motors

Two (2) factory-balanced motors with backward curved blades. Motors come with permanently lubricated, sealed ball-bearings to guarantee long life and maintenance-free operation. Covered by a seven year warranty.

Heat Recovery Core

Aluminum heat recovery core configured for an efficient cross-flow ventilation. Core is 9" x 9" (229 x 229 mm) with a 15" (380mm) depth. Cores are manufactured to withstand extreme temperature variations.

Wintergard™ Defrost

The VHR150R 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, motors 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.

Duct Connections

6" (152 mm) Oval plastic duct connections with integrated balancing damper and airflow measurement ports.

Case

24 gauge galvanized steel. Baked powder coated paint.

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" (380 mm) 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)

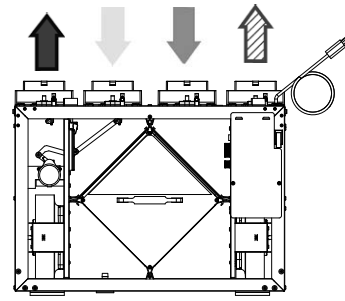
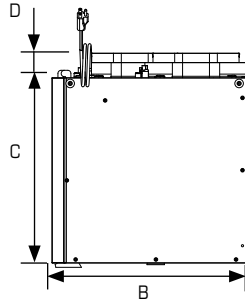
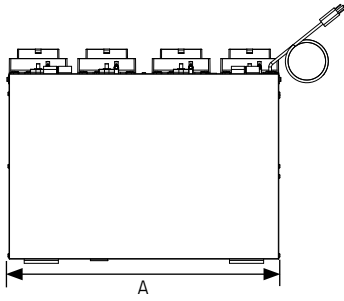
Installation

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

Warranty

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

Dimensions & Airflow



- fresh air to inside
- fresh air from outside
- stale air from inside
- stale air to outside

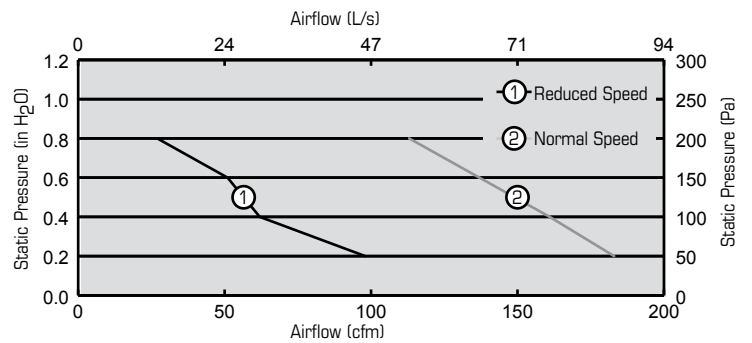
Model	A		B		C		D	
	in	mm	in	mm	in	mm	in	mm
VHR150R	23 3/4	603	17 3/16	437	16 1/4	413	2 3/16	56

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	Latent recovery/moisture transfer
	°F	°C	cfm	L/s	W	%	%	-
	32	0	85	40	70	66	79	-0.01
	32	0	100	47	86	66	79	0.01
	32	0	187	88	156	55	64	0.01
	-13	-25	89	42	99	60	72	0.02

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 66061 • 1.800.747.1762 • www.fantech.net

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

Fantech, reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.

