

### **FEATURES**

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

## **OPTIONAL CONTROLS:**

• DIR-TS - Programmable Touch Screen Wall Control

RTS 20 - 20 minute timer over-ride
RTS5 - 20/40/60 minute timer
EDF1R - Triple function wall control

• MDEH1 - Dehumidistat

### WARRANTY:

- 7 year on motors
- 5 year on parts
- Lifetime on core (limited)

# PHRVR150

# **Heat Recovery Ventilator**

### **SPECIFICATIONS**

**MOTORS:** Two (2) German-engineered, factory-balanced ebm<sup>™</sup> motors with backward curved blades. Motors come with permanently lubricated sealed bearings, guaranteeing long life and maintenance-free operation. Seven (7) year warranty.

**CORE:** A aluminum heat recovery core configured for an efficient cross-flow ventilation. Core is  $9" \times 9"$  (229 x 229 mm) with a 15" (380mm) depth. Cores are manufactured to withstand extreme temperature variations.

**WINTERGARDTM DEFROST:** The PHRVR150 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.

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

**SERVICEABILITY:** Core, filters, motors and drain pan can be easily serviced through latched access door. Core conveniently slides out with ease on railing system.

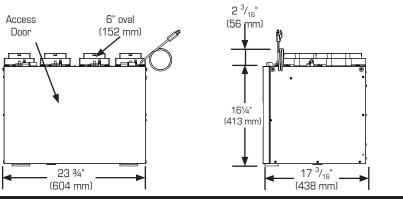
**CASE:** 24 gauge galvanized steel. Baked powder-coated paint for a superior adhesion and resistance.

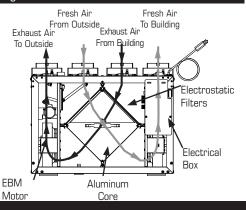
**FILTERS:** Two (2) Washable Electrostatic Panel Type Air Filters, 8.5" (216mm) x 15" (380mm) x 0.125" (3mm).

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

DISTRIBUTED BY:

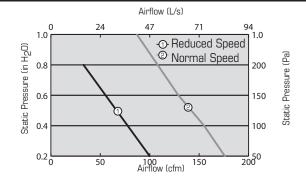
# Dimensions & AIRFLOW - All units feature three foot plug-in power cord with 3-prong plug.





## **Ventilation Performance**

	STATIC SSURE		SUPPLY FLOW	_	ROSS AI	R FLOW EXHAUST	
Pa	in wg	L/s	cfm	L/s	cfm	L/s	cfm
50	0.2	83	176	84	178	84	178
100	0.4	73	155	74	157	74	157
150	0.6	61	129	62	131	61	131
200	0.8	51	108	52	110	52	110
250	1.0	41	87	41	87	41	87



Only the data of the normal speed are HVI certified.

- \*\* Balancing Range : 90 cfm (42 L/s) to 170 cfm (80 L/s)
  - If a balanced flow outside the above range is required, please revisit our product offerings to ensure a properly sized unit is selected

## **Energy Performance**

	SUPPLY TEMPERATURE °C   °F		NET Airflow L/s CFM		POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS <sup>1</sup>	LATENT RECOVERY/MOISTURE TRANSFER	
Heating	0	32	40	85	73	66	79	-0.01	
	0	32	47	100	108	63	79	0.01	
	-25	-13	42	89	107	60	72	0.02	

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

## **Specifications and Ratings**

- Model: PHRVR150
- Total assembled weight: 45 lbs (20Kg)
- Cabinet: 24 ga, steel with powder coat finish
- Motors: ebm motor with backward curved blades
- Filters: 2 washable electrostatic filters 8.5" (216mm) x 15" (380mm) x 0.125" (3mm)
- Insulated with 1" (25mm) high density polystyrene foam to prevent condensation
- Core: Aluminum 9" (229mm) x 9" (229mm) x 15" (380mm)
- Supply & exhaust ducts: 6" oval (150 mm)
- Mounting: Suspended by chains & hooks
- •Electrical requirements::

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Volts Frequency Amps Watts 120V 60Hz 1.2A 170W

3' plug-in power cord w/ 3-prong plug

## **Contacts**

Submitted by:	Date:
Qty:	Model #:
Comments:	
Project #:	
Location:	
Architect:	
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