

PHRV96

Heat Recovery Ventilator

Product#: 463318



Compact top port design HRV with easy-mount wall bracket. Brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. HRVs use what is called a "sensible" heat recovery core. This special core transfers heat from the exhaust air stream to the incoming air stream. Fresh incoming air is tempered by the heat that is transferred from the outgoing air to save on energy costs. The PHRV96 is equipped with automatic defrost mechanisms so even if you live in the coldest climates you can use your HRV all year long.

Features

- Super Compact Size
- Top Port Design Fits in Tight Spaces
- Includes Easy-Mount Wall Bracket
- Aluminum Heat Recovery Core
- 4" (100mm) Duct Connections
- No Balancing Required
- Easy Access Service Door
- 3' (914mm) Plug-in Power Cord
- Automatic Exhaust Defrost Allows Units to Always Stay in Ventilation Mode
- Only 26 lbs (12 kg)
- Electrostatic Filters (washable)
- Easy Core Guide Channels For Removing Core
- Multiple Speed Operation

Accessories

- DIR-TS – Digital Multi-Function Control
- DIR-DG – Electronic multi-function dehumidistat
- EDF1 – Multi-function control
- RTS5 – 20/40/60 minute timer
- RTS20 – 20 minute timer
- MDEH1 – Dehumidistat

Case:

22 gauge galvanized steel. Baked powder coated paint, grey. Cabinet fully insulated with 1" (25 mm) aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of UL 94HF.

Motors:

Two (2) German-manufactured, factory-balanced ebm™ motors with backward curved blades. Motors come with permanently lubricated sealed ball bearings to guarantee long life and maintenance-free operation. Seven (7) year warranty. Steep fan curves requires no balancing of airflows.

Core:

Aluminum heat recovery core configured for efficient cross-flow ventilation. Core is 8.5" x 8.5" (216 x 216 mm) with a 8" (205 mm) depth. Cores are manufactured to withstand extreme temperature variations.

Filters:

Two (2) Washable Electrostatic Panel Type Air Filters, 8.5" (216mm) x 8" (203mm) x 0.125" (3mm).

Controls:

Unit is designed to accommodate the whole series of Powrmatic HRV controls.

Defrost:

A preset 5 minute 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 for 25 minutes, and continues cycle.

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. 10" (250mm) of clearance is recommended for removal of core.

Duct connection:

4" (100mm) steel duct connections with rubber gasket for easy sealing.

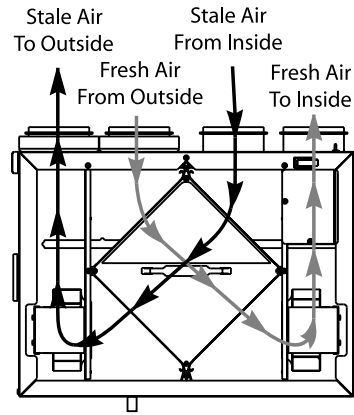
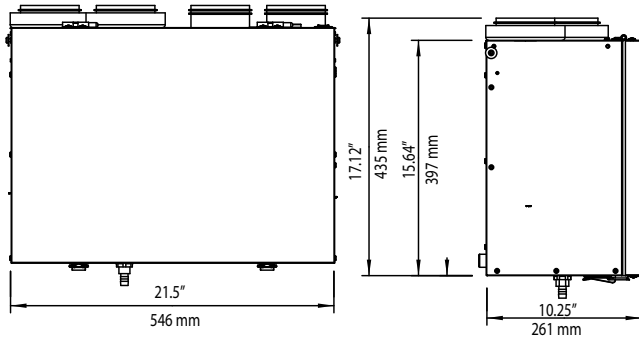
Drain:

1/2" (13mm) OD (outside diameter) drain spout provided, entire bottom of unit covered by pan.

Warranty:

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

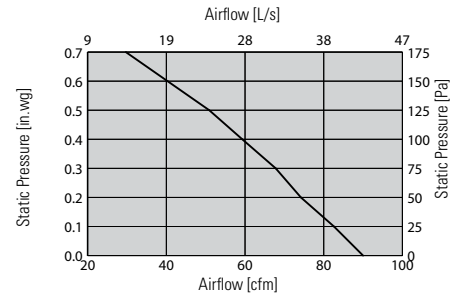
Dimensions & Airflow



- Continuous ventilation mode of supply and exhaust airstreams
- 10" (254mm) of clearance is recommended for removal of core

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)
	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)	cfm (L/s)
Net supply airflow	83 (39)	74 (35)	68 (32)	59 (28)	51 (24)	40 (19)	30 (14)
Gross supply airflow	83 (39)	74 (35)	68 (32)	59 (28)	51 (24)	40 (19)	30 (14)
Gross exhaust airflow	85 (40)	76 (36)	68 (32)	59 (28)	49 (23)	38 (18)	30 (14)



Energy performance

	Supply temperature		Net airflow		Consumed power	Sensible recovery efficiency	Adjusted Sensible recovery efficiency	Apparent sensible effectiveness ¹	Latent recovery/moisture transfer
	°F	°C	cfm	L/s	W	%	%	%	%
Heating	32	0	66	31	42	63	67	70	0.00
	-13	-25	67	31	43	57	59	71	0.00

¹ ASE is 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 results of test relating to CSA C439 Standards
- HVI Certified

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

