



PHRVR205

Heat Recovery Ventilator

Product#: 40055



The PHRVR205 Heat Recovery Ventilators (HRV) by Powrmatic. Incoming fresh outdoor air is filtered before it is heated by the stale outgoing air through a polypropylene heat recovery core. The HRV then distributes the preheated fresh filtered air throughout the home by direct ductwork installed specifically for the HRV or through the ductwork of a forced-air system.

FEATURES:

- Compact Design
- Electrostatic Filters (washable)
- Balancing Dampers Included In Installation Kit
(not factory installed)
- External Screw Type Dry Contacts

OPTIONAL CONTROLS

- DIR-TS – Digital Multi-Function Control
- DIR-DG – Electronic Multi-Function Dehumidistat
- MDEH-1 – Mechanical Low Voltage Dehumidistat
- RTS 20 – 20 Minute Push Button Timer

External screw type dry contacts (provided)

SPECIFICATIONS

CASE 22 gauge galvanized steel. Baked powder coated paint, grey. Insulated with 1" (25 mm) high density polystyrene foam to prevent condensation and meet the requirements of the Underwriters Laboratories 94HB.

MOTORS Two (2) German-manufactured, factory-balanced ebm™ motors with backward curved blades. Motors come with permanently lubricated sealed bearings guarantee long life and maintenance-free operation. Seven (7) year warranty.

CORE A polypropylene heat recovery core configured for an efficient cross-flow ventilation. The core is 12" x 12" (305 x 305 mm) with a 15" (380 mm) depth. Cores are manufactured to withstand extreme temperature variations.

FILTERS Two (2) Washable Electrostatic Panel Type Air Filters, is 11.75" (298mm) x 15" (380mm) x 0.125" (3mm).

CONTROLS External three (3) position (Low/Stand By/Medium) rocker switch that will offer continuous ventilation. Powrmatic offers a variety of external controls to compliment its units and allows you to appreciate its functions to the fullest. (see optional controls)

DEFROST A preset 5 minute defrost sequence is activated at an outdoor air temperature of 23°F (-5°C) and lower.

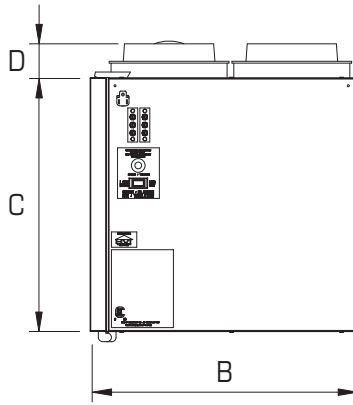
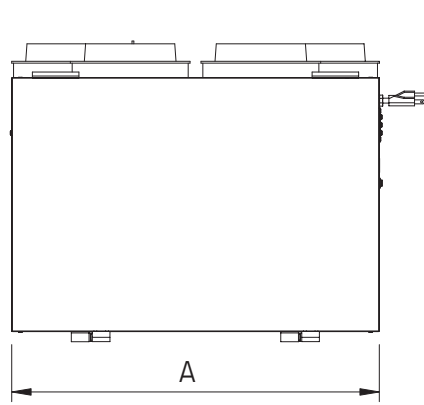
During the PHRVR205 defrost sequence, its mechanism uses a motorized damper to temporarily block the incoming fresh air stream allowing the warm air from the home to circulate through the HRV. The exhaust blower shuts down & the supply blower switches into high speed to maximize the effectiveness of the defrost strategy.

The unit then returns to normal operation for 25 minutes, and continues cycle.

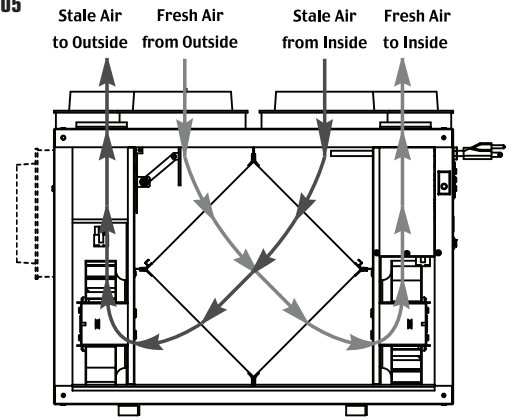
SERVICEABILITY Core, filters, motors and drain pan can be easily serviced through latched access door.

FOR MORE INFORMATION CONTACT:

Dimensions and airflow



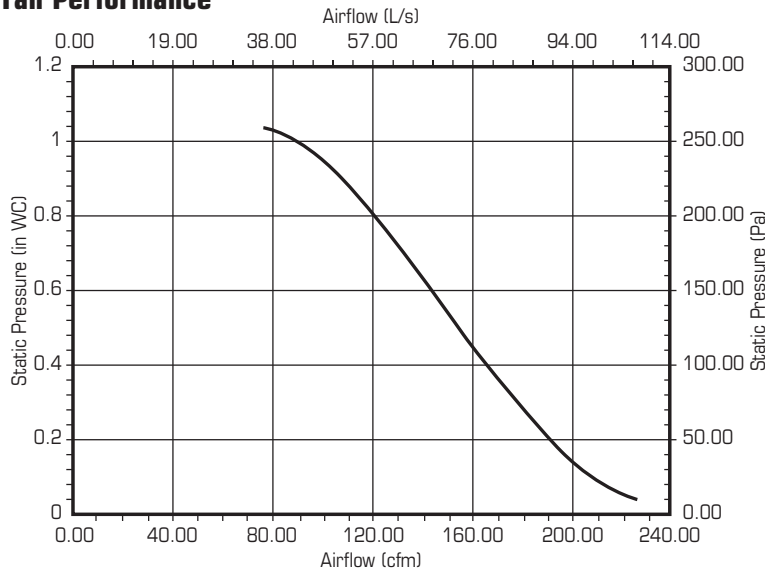
Optional recirculation duct collar (provided) with PHRVR 205



Model	A	B	C	D
PHRVR 205	28" (711mm)	17 1/4" (438mm)	20 1/2" (521mm)	2 1/4" (56mm)

* All collars on the Series have a diameter of 6".

Fan Performance



Performance Data

Model	Apparent Sensible Effectiveness at 32°F (0°C)	Apparent Sensible Effectiveness at -13°F (-25°C)
PHRVR 205	74 % @ 55 L/s	81 % @ 59 L/s
AIRFLOW CAP. cfm (L/s) @ 0.4 on High Speed		
Power	120VAC	
• Volts		
• Amperage	2.1 Amps Total	
• Phase	Single	

Contact

Submitted by:	Date:
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Project #:	
Location:	
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Engineer:	
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