



Fantech

Heat Recovery Ventilator

SHR Series

SHR 1504, SHR 1505R(D), SHR 2004,
SHR 2005R(D) & SHR 3005R



Fantech SHR Series Heat Recovery Ventilators are high performance, low maintenance units designed to improve indoor air quality and provide balanced ventilation in residential applications.

Units include many installer-friendly features - easy-slide core guides, external electrical box, easy-access doors, and much more. Choose from five models including recirculating and non-recirculating units. All models feature precision-balanced EBM motors for dependable performance and vibration-free operation.

Here's How They Work:

The HRV brings in fresh outdoor air and draws it through a polypropylene core where it is heated by the stale outgoing air. The HRV then distributes the preheated fresh filtered air throughout the home by direct ductwork installed specially for the HRV or through the ductwork of a forced-air system.

NEW FEATURES:

- Compact Design
- Electrostatic Filters (washable)
- External Screw Type Dry Contacts
- Improved Core Guide Channels For Easy Removal Of Core
- Airflow Balancing Using Fantech's "TRUE" Motor Adjustment Feature - *SHR 1505R(D) & SHR 2005R(D) only*
- Models with "D" in the name (SHR 1505RD & SHR 2005RD) have access doors on two sides of the cabinet for multiple installation arrangements.

OPTIONAL CONTROLS

- EDF 5 – Digital Multi-Function Control w/ Recirculation
- EDF2 – Digital Multi-Function Control
- MDEH 2 – Mechanical Low Voltage Dehumidistat with On/Off Switch
- MDEH 1 – Mechanical Low Voltage Dehumidistat
- RTS 2 – 15 Minute Pushbutton Timer
- FD 30M – 30 Minute Crank Timer
- AQS 1 – Air Quality Sensor

SPECIFICATIONS

CONTROLS External three (3) position (Low/Stand By/Medium) rocker switch that will offer continuous ventilation. Fantech offers a variety of external controls. (see optional controls)

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

SHR 1504 & 2004 - 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.

SHR 1505R(D), 2005R(D) & 3005R - During the 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. Electrical box, placed on the outside of the unit, can also be easily accessed.

Core: Heat Recovery Units feature a lifetime warranty on the polypropylene core.

Washable Electrostatic Filters

Superior EBM Motors: Units are designed with German manufactured EBM external rotor motorized impellers – the most durable motors in the industry. Precise balancing ensures vibration-free operation. No maintenance needed. 7 Year Limited Warranty.



Fully Insulated Cabinet:

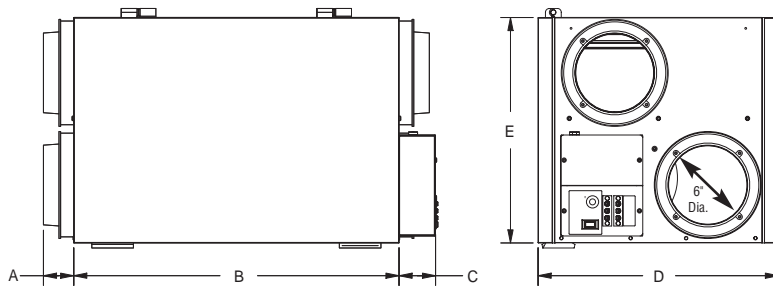
Baked powder-coat finish. Insulated with 1" (25mm) high density polystyrene foam. For quiet, trouble-free operation.

Electronic Control Board:

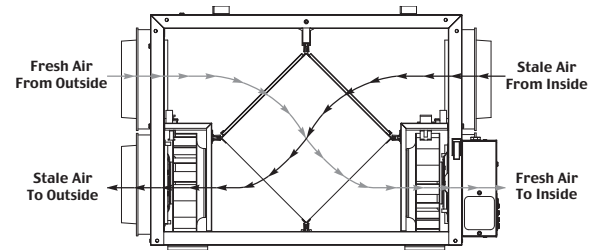
Units feature state-of-the-art control boards for easy connection to existing HVAC equipment. All units are designed for easy operation from a series of optional remote controls.

SHR 1504, SHR 1505R(D), SHR 2004, SHR 2005R(D) & SHR 3005R Series Heat Recovery Ventilators

Dimensions



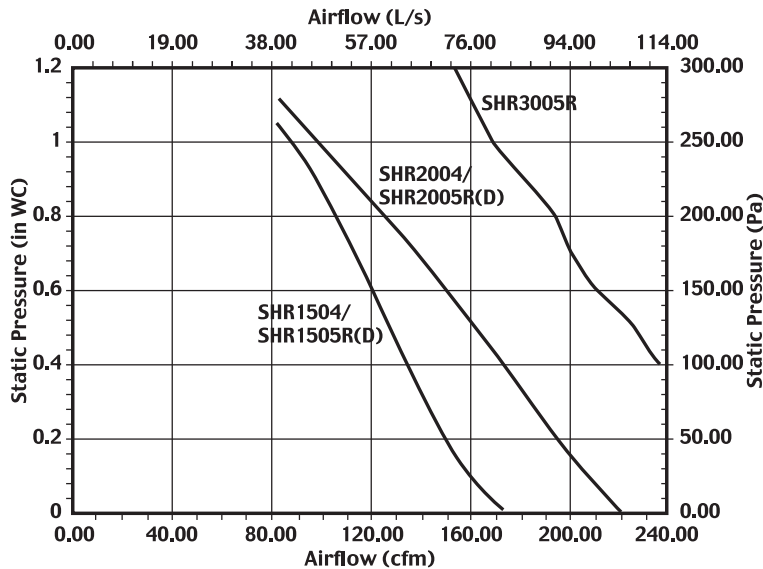
Airflow



Measurements	Model	SHR 1504	SHR 1505R	SHR 2004 / 2005R	*SHR 3005R
A		2 1/4" (56mm)	2 1/4" (56mm)	2 1/4" (56mm)	2 1/4" (56mm)
B		23 1/2" (596mm)	23 1/2" (596mm)	27 7/8" (707mm)	50 7/8" (1292mm)
C		2 5/8" (67mm)	2 5/8" (67mm)	2 5/8" (67mm)	** N/A
D		17 3/8" (441mm)	17 3/8" (441mm)	17 3/8" (441mm)	17 3/8" (441mm)
E		16 1/8" (413mm)	17 3/8" (441mm)	20 1/2" (520mm)	22 1/8" (562mm)

* Unit is larger to accommodate 2 heat recovery cores. ** Electrical box is inside cabinet.

Fan Performance



Performance Data



Model	Apparent Sensible Effectiveness at 32°F (0°C)	Apparent Sensible Effectiveness at -13°F (-25°C)
SHR 1504/1505R(D)	72 %	69 %
SHR 2004/2005R(D)	71 %	76 %
SHR 3005R	92 %	91 %

AIRFLOW CAP. cfm (L/s) @ 0.4 on High Speed

Power

- Volts 120 VAC
- Amperage
 - SHR 1504/1505R(D) 1.5 Amps
 - SHR 2004/2005R(D) 1.9 Amps
 - SHR 3005R 2.7 Amps
- Phase Single Phase



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



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