



Fantech

Heat Recovery Ventilator

SHR Series

SHR 1504, SHR 1505R, SHR 2004,
SHR 2005R, SHR 3005R & SHR 3205RD



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

Choose from a variety of models including recirculating and non-recirculating units.

Here's How They Work:

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

FEATURES:

- Simple Yet Sophisticated Design Makes These Units the Most Reliable HRVs on the Market
- Aluminum Cores
- EBM Motors with Backward Incline Impellers
- Steep Fan Curves for Superior Airflow Performance minimize the need to balance
- Insulated with 1" (25mm) Foil-Faced High Density Polystyrene Foam

OPTIONAL CONTROLS

- EDF 1 – On/Off, Low, High Speed Operation and 20 min. On/40 min. Off Cycle Timer
- RTS 3 – Intermittent Bathroom Timer with Settings for 20/40/60 Minutes of High Speed Boost
- EDF 5 – Digital multi-function wall control with recirculation
- EDF 2 – Digital multi-function wall control
- MDEH 2 – Mechanical low voltage dehumidistat with On/Off switch
- MDEH 1 – Mechanical low voltage dehumidistat
- RTS 2 – 20 Minute pushbutton timer
- AQS 1 – Air quality sensor

SPECIFICATIONS

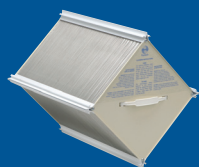
CONTROLS External three (3) position (Low/Stand By/Medium) rocker switch that will offer continuous ventilation. Fantech offers a variety of external controls. (see optional controls)

DEFROST A preset 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 continues to ventilate for a preset time. The unit then returns to normal operation, and continues cycle.

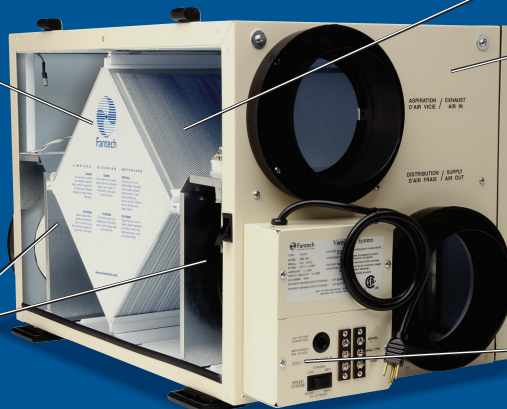
SHR 1505R, 2005R, 3005R & SHR 3205RD - During the defrost sequence, its mechanism uses a motorized damper to temporarily block the incoming fresh air stream allowing the warm air from the home to circulate through the HRV. The exhaust blower shuts down & the supply blower continues to run. The unit then returns to normal operation, and continues cycle.

SERVICEABILITY Core, filters, motors and drain pan can be easily accessed through latched front door.



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

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.



Washable Electrostatic Filters

Fully Insulated Cabinet:

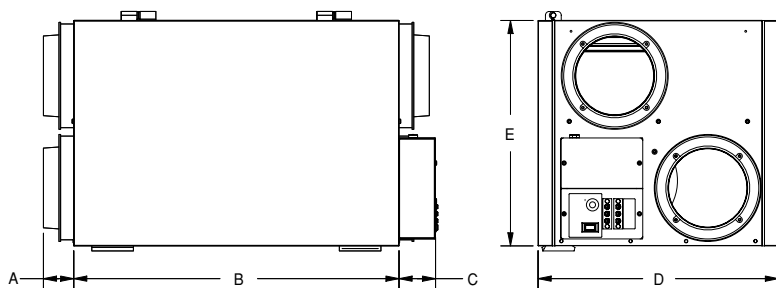
Baked powder-coat finish. Insulated with 1" (25mm) foil-faced high density polystyrene foam.

Electronic Control Board:

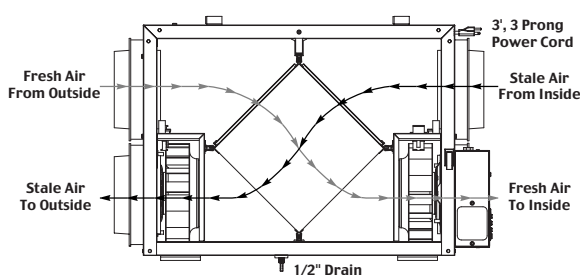
Units feature state-of-the-art control boards for easy connection to existing HVAC equipment. All units are designed for easy operation from a series of optional remote controls.

SHR 1504, SHR 1505R, SHR 2004, SHR 2005R, SHR 3005R Series & SHR 3205RD Heat Recovery Ventilators

Dimensions



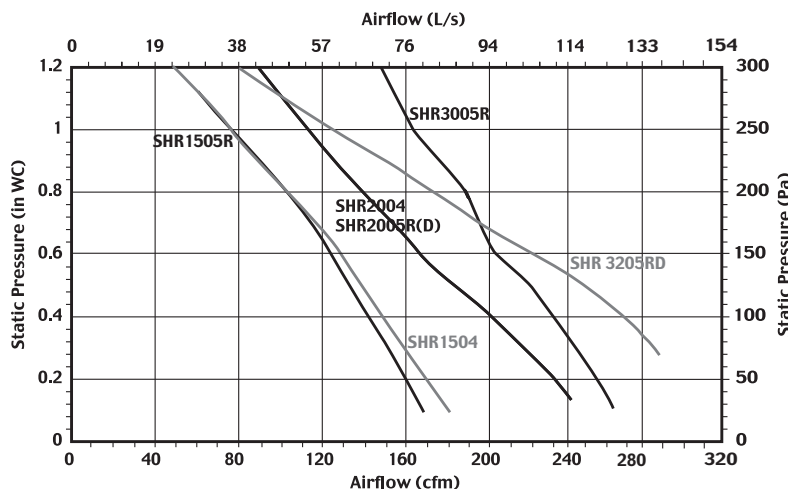
Airflow



| Model | SHR 1504 | SHR 1505 | SHR 2004 / 2005R | SHR 3005R | SHR 3205RD |
|---------------------|-----------------|-----------------|------------------|------------------|-----------------|
| Measurements | | | | | |
| A | 2 1/4" (56mm) | 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) | 27 7/8" (707mm) |
| C | 2 5/8" (67mm) | 2 5/8" (67mm) | 2 5/8" (67mm) | ** N/A | 2 3/4" (71mm) |
| D | 17 3/8" (441mm) | 17 3/8" (441mm) | 17 3/8" (441mm) | 17 3/8" (441mm) | 25 1/8" (638mm) |
| E | 16 1/8" (413mm) | 17 3/8" (441mm) | 20 1/2" (520mm) | 22 1/8" (562mm) | 20 1/2" (520mm) |

SHR 3005R 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) | Power Consumed Watts at 32°F (0°C) |
|------------|---|--|------------------------------------|
| SHR 1504 | 73 % | 77 % | 72 |
| SHR 1505R | 73 % | 77 % | 72 |
| SHR 2004 | 74 % | 79 % | 154 |
| SHR 2005R | 74 % | 81 % | 154 |
| SHR 3005R | 91 % | 91 % | 126 |
| SHR 3205RD | 77 % | 79 % | 136 |

Power

- Volts 120 VAC
- Amperage
 - SHR 1504/1505R(D) 1.3 Amps
 - SHR 2004/2005R(D) 2.1 Amps
 - SHR 3005R 2.7 Amps
 - SHR 3205RD 2.5 Amps
- Phase Single Phase



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



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