



# Fantech

Your Ventilation Solutions Company



## FEATURES

- Backward curved blade motors
- Electrostatic filters (washable)
- Two (2) aluminum heat recovery cores
- External screw type dry contacts
- Improved core guide channels for easy removal of core

## 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 – 15 Minute pushbutton timer

## WARRANTY

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

Distributed by:

## Heat Recovery Ventilator

Model SHR 3005R

## SPECIFICATIONS

**CASE** 22 gauge galvanized steel. Powder coated finish, antique white. Insulated with 1" (25 mm) foil-faced high density polystyrene foam to prevent condensation and meet the requirements of the Underwriters Laboratories 94HF.

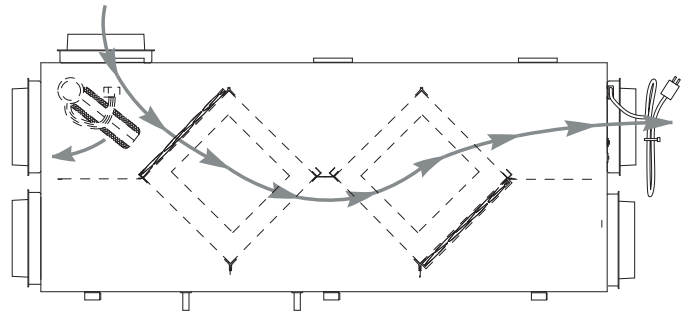
**MOTORS** Two (2) German-engineered, factory-balanced ebm™ motors with backward curved blades. Motors come with permanently lubricated sealed bearings guarantee long life and maintenance-free operation. Seven (7) year warranty.

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

**CORE** Two (2) aluminum heat recovery cores configured for an efficient cross-flow ventilation. Cores are 12" x 12" (305 x 305 mm) with a 15" (380 mm) depth. Cores are manufactured to withstand extreme temperature variations.

**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)

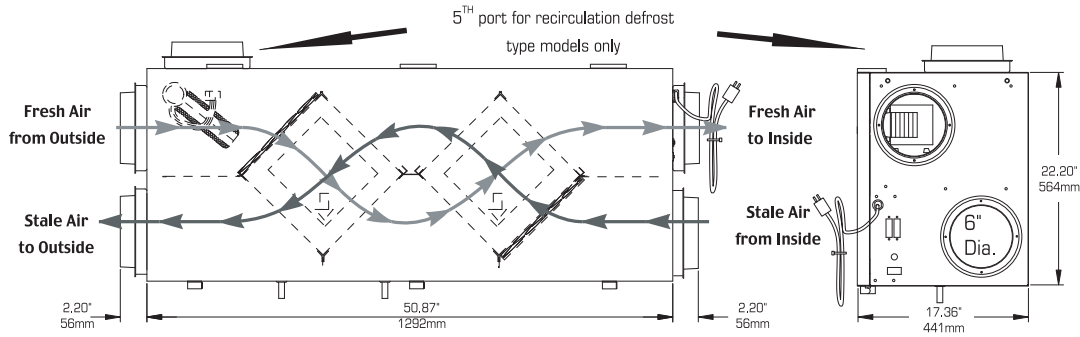
**DEFROST** During the defrost sequence, a motorized damper temporarily blocks the incoming fresh air stream so that the warm air from the house can circulate through the HRV. The exhaust blower shuts down and the supply blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.



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

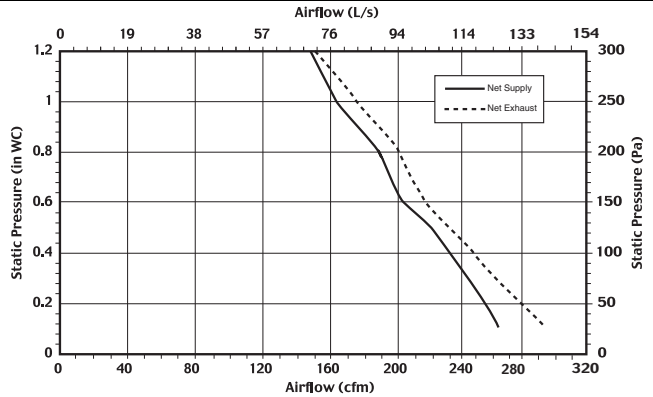
**SERVICEABILITY** Core, filters, motors and drain pan can be easily serviced through latched access door. Cores conveniently slides out with ease on an improved railing system.

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



**Ventilation Performance**

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW SUPPLY		EXHAUST	
Pa	in wg	L/s	cfm	L/s	cfm	L/s	cfm
25	0.1	126	268	131	277	139	294
50	0.2	124	262	127	270	132	279
75	0.3	116	246	119	253	126	266
100	0.4	109	231	112	238	117	247
125	0.5	103	219	107	226	111	236
150	0.6	96	204	100	211	101	215
175	0.7	93	196	95	202	101	213
200	0.8	89	188	92	194	94	200
250	1.0	77	163	79	168	82	174
300	1.2	69	147	71	151	71	151
350	1.4	56	118	57	121	58	123



**Energy Performance**

	SUPPLY TEMPERATURE		NET AIRFLOW		POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFEC-TIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
	°C	°F	L/s	cfm				
Heating	0	32	30	64	126	76	91	0.02
	0	32	55	117	212	78	92	0.01
	0	32	74	157	262	78	91	-0.09
	-25	-13	57	121	224	72	91	0.09
	-25	-13	55	117	220	72	-	-
Total Recovery Efficiency								
Cooling	35	95	54	115	206		18	
	35	95	74	159	260		17	

**Specifications and Ratings**

- Model: SHR 3005R
- Total assembled weight: 90 lbs
- Cabinet: 22 ga. steel w/ powder coat finish
- Motors: ebm motor w/backward curved blades
- Filters: 2 washable electrostatic filters 11.75" (298mm) x 15" (380mm) x 0.125" (3mm)
- Insulated with 1" (25 mm) foil-faced high density polystyrene foam to prevent condensation and meet the requirements of the Underwriters Laboratories 94HF.
- Two (2) cores: Aluminum 12" (305mm) x 12" (305 mm) x 15" (380 mm)
- Supply & exhaust ducts: 6" (152.4mm)
- Mounting: Suspended by chains & hooks
- Electrical requirements:
 

Volts	Frequency	Amps	Watts	High Speed
120V	60Hz	2.7A	150W	

**Contacts**

Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_

Qty: \_\_\_\_\_ Model #: \_\_\_\_\_

Comments: \_\_\_\_\_

Project #: \_\_\_\_\_

Location: \_\_\_\_\_

Architect: \_\_\_\_\_

Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_



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