



# Fantech

Your Ventilation Solutions Company



## FEATURES

- Compact design
- Backward curved blade motors
- Electrostatic filters (washable)
- Polypropylene heat recovery core
- External screw type dry contacts
- Improved core guide channels for easy removal of core

## OPTIONAL CONTROLS

- 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
- FD 30M – 30 Minute crank timer
- AQS 1 – Air quality sensor

## WARRANTY

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

Distributed by:

## Heat Recovery Ventilator Model SHR 2004

### SPECIFICATIONS

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

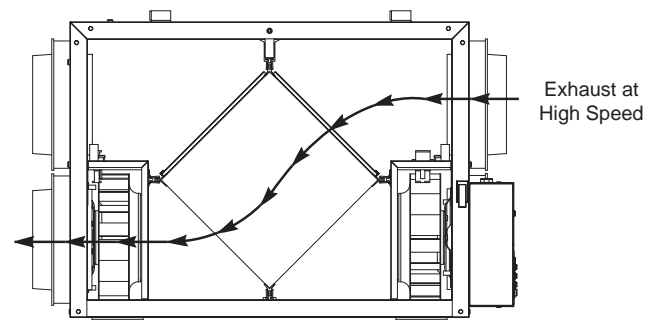
**MOTORS** Two (2) German-engineered, factory-balanced ebm™ motors with backward curved blades. Motors come with permanently lubricated sealed bearings guarantee long life and maintenance-free operation. Seven (7) year warranty.

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

**CORE** A polypropylene heat recovery core configured for an efficient cross-flow ventilation. Core is 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)

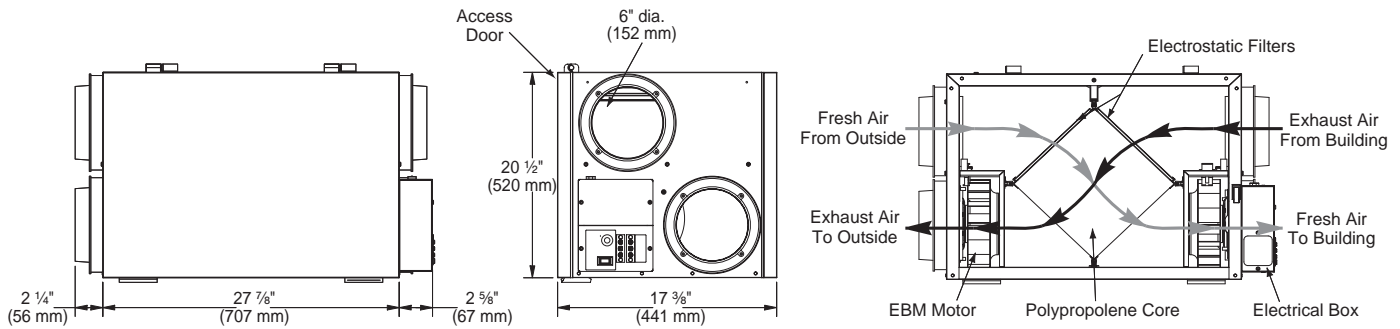
**DEFROST** During the defrost sequence, the supply blower shuts down and the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. During this cycle, household odors from the kitchen or bathroom are prevented from entering the home and the unit will not create negative pressure.



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

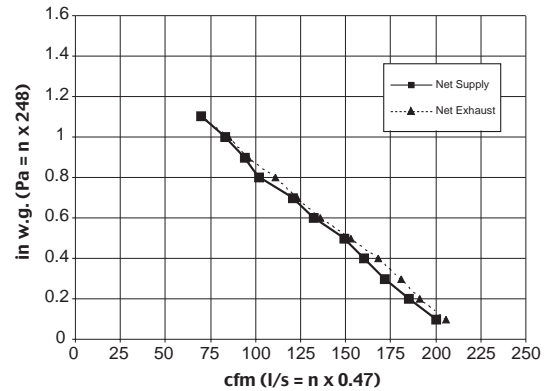
**SERVICEABILITY** Core, filters, motors and drain pan can be easily serviced through latched access door. Core conveniently slides out with ease on an improved railing system. Electrical box, placed on the outside of the unit, can also be easily accessed.

## 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	94	200	94	200	97	206
50	0.2	87	185	87	185	90	191
75	0.3	81	172	81	172	85	181
100	0.4	76	160	76	160	79	168
125	0.5	70	149	70	149	72	153
150	0.6	62	132	62	132	64	136
175	0.7	57	121	57	121	58	123
200	0.8	48	102	48	102	52	111
225	0.9	44	94	44	94	45	96
250	1.0	39	83	39	83	40	85
275	1.1	33	70	33	70	33	70



## Energy Performance

	SUPPLY TEMPERATURE		NET AIRFLOW		POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
	°C	°F	L/s	cfm				
Heating	0	32	32	68	78	62	71	0.06
	0	32	55	117	122	65	73	0.00
	0	32	76	162	160	65	72	-0.21
	-25	-13	61	130	138	62	76	0.05
	-25	-13	55	117	128	62	-	-
Total Recovery Efficiency								
Cooling	35	95	37	79	82		16	
	35	95	56	119	128		17	

## Specifications and Ratings

- Model: SHR 2004
- Total assembled weight: 61 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) high density polystyrene foam to prevent condensation and meet the requirements of the Underwriters Laboratories 94HF.
- Core: Polypropylene (coroplast)  
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 1.9A 150W
- 3' plug-in power cord w/ 3-prong plug

## Contacts

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



**United States**  
1712 Northgate Blvd.,  
Sarasota, FL. 34234  
(T) 1.800.747.1762  
(F) 1.800.487.9915  
(T) 1.941.309.6000  
(F) 1.941.309.6099  
[www.fantech.net](http://www.fantech.net)  
[info@fantech.net](mailto:info@fantech.net)

**Canada**  
50 Kanalfakt Way,  
Boucrouche, NB E4S 3M5  
(T) 1.800.565.3548  
(F) 1.877.747.8116  
(T) 1.506.743.9500  
(F) 1.506.743.9600  
[www.fantech.ca](http://www.fantech.ca)  
[info@fantech.ca](mailto:info@fantech.ca)



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