



Fantech

Your Ventilation Solutions Company



FEATURES

- Compact design
- Backward curved blade motors
- Electrostatic filters (washable)
- Aluminum heat recovery core
- 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 VHR 1404

SPECIFICATIONS

CASE 24 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.

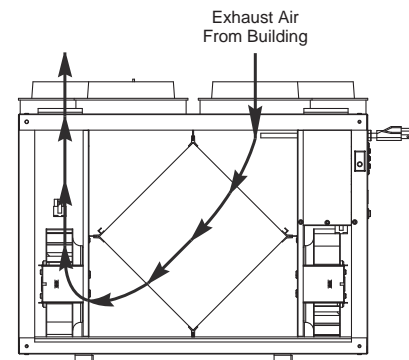
MOTORS Two (2) German-engineered, factory-balanced ebm™ motors with backward curved blades. Motors come with permanently lubricated sealed bearings guarantee long life and maintenance-free operation. Seven (7) year warranty.

FILTERS Two (2) Washable Electrostatic Panel Type Air Filters, 8.5" (216mm) x 15" (380mm) x 0.125" (3mm).

CORE A aluminum heat recovery core configured for an efficient cross-flow ventilation. Core is 9" x 9" (229 x 229 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)

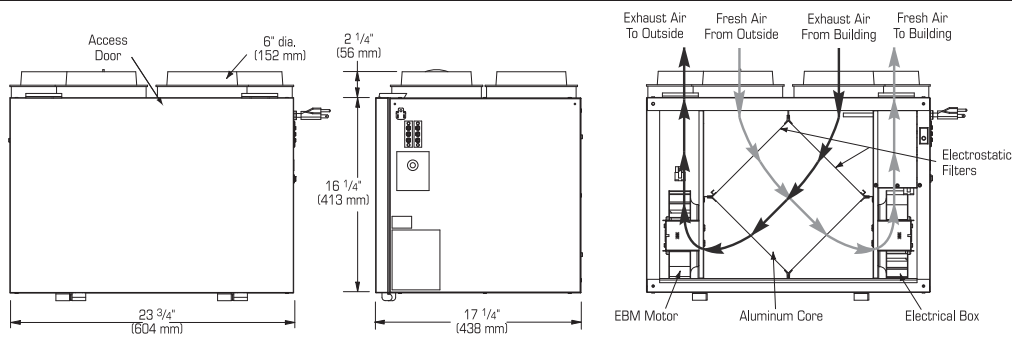
DEFROST A preset defrost sequence is activated at an outdoor air temperature of 23°F (-5°C) and lower. During the defrost sequence, the supply blower shuts down & the exhaust blower switches into high speed to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation, and continues cycle.



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

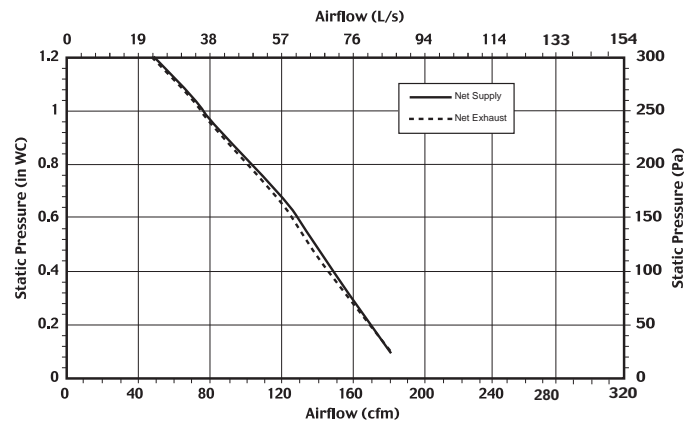
SERVICEABILITY Core, filters, motors and drain pan can be easily serviced through latched access door. Core conveniently slides out with ease on an improved railing system.

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	85	181	87	184	84	180
50	0.2	80	170	182	174	79	169
75	0.3	75	159	176	162	75	159
100	0.4	70	149	71	151	68	146
125	0.5	65	138	66	141	64	136
150	0.6	60	128	61	130	59	125
175	0.7	55	116	56	119	54	114
200	0.8	49	104	50	106	47	100
225	0.9	43	91	43	92	41	87
250	1.0	36	77	37	79	35	75
275	1.1	30	63	30	64	29	61
300	1.2	23	49	24	50	22	46



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	31	65	108	62	77	0.06
	0	32	55	117	154	62	74	0.07
	0	32	90	191	246	60	71	0.00
	-25	-13	59	126	141	64	81	0.01

Specifications and Ratings

- Model: VHR 1404
- Total assembled weight: 45 lbs
- Cabinet: 24 ga. steel w/ powder coat finish
- Motors: ebm motor w/backward curved blades
- Filters: 2 washable electrostatic filters 8.5" (216mm) 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.
- Core: Aluminum 9" (229mm) x 9" (229 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	1.3A	150W	

Contacts

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



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