Fantech VHR 704R

Heat Recovery Ventilator

Compact top port design HRV with easy-mount wall bracket. Brings a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. HRVs use what is called a "sensible" heat recovery core. This special core transfers heat from the exhaust air stream to the incoming air stream. Fresh incoming air is tempered by the heat that is transferred from the outgoing air to save on energy costs. The VHR 704R is equipped with automatic defrost mechanisms so even if you live in the coldest climates you can use your HRV all year long.

FEATURES

- Super Compact Size
- Top Port Design Fits in Tight Spaces
- Includes Easy-Mount Wall Bracket
- Aluminum Heat Recovery Core
- 5" (125mm) Oval Duct Connections
- Easy Access Service Door
- 3' (914mm) Plug-in Power Cord
- Only 30 lbs (13.5 kg)
- Electrostatic Filters (washable)
- Easy Core Guide Channels For Removing Core
- Multiple Speed Operation

ACCESSORIES

- Eco-Touch™ – Programmable Touch Screen Wall Control
- EDF1 – Multi-function control
- RTS3 – 20/40/60 minute over-ride
- RTS2 – 20 minute over-ride
- MDEH1 – Dehumidistat
- MDEH2 – Mechanical low voltage dehumidistat with On/Off switch
- EDF1R – Triple function wall control

SPECIFICATIONS

CASE 24 gauge galvanized steel. Baked powder-coated paint, antique white. Cabinet fully insulated with 1" (25 mm) aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.

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

CORE Aluminum heat recovery core configured for efficient cross-flow ventilation. Core is 8.5" x 8.5" (216 x 216 mm) with a 8" (205 mm) depth. Cores are designed and manufactured by Fantech to withstand extreme temperature variations.

FILTERS Two (2) Washable Electrostatic Panel Type Air Filters, 8.5" (216mm) x 8" (203mm) x 0.125" (3mm).

CONTROLS Unit is designed to accommodate the whole series of Fantech HRV controls.

DEFROST A preset defrost sequence is activated at an outdoor temperature of 23° F (-5°C) and lower. During the defrost sequence, the fresh air is interrupted momentarily and indoor air is allowed to recirculate in the exchanger to maximize the effectiveness of the defrost strategy. The unit then returns to normal operation until the next defrost sequence.

SERVICEABILITY Core, filters, motors and drain pan can be easily accessed through latched door. Core conveniently slides out on our new easy glide core guides. 10" (250mm) of clearance is recommended for removal of core.

DUCT CONNECTION 5" (125mm) Oval plastic duct connections integrated with balancing damper and balancing port.

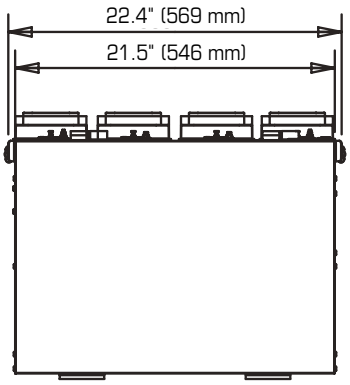
DRAIN 1/2" (13mm) OD (outside diameter) drain spout provided, entire bottom of unit covered by pan.

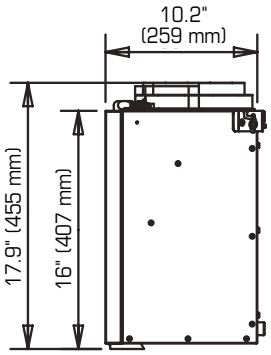
WARRANTY Limited lifetime on aluminum core, 7 year on motors, and 5 year on parts.

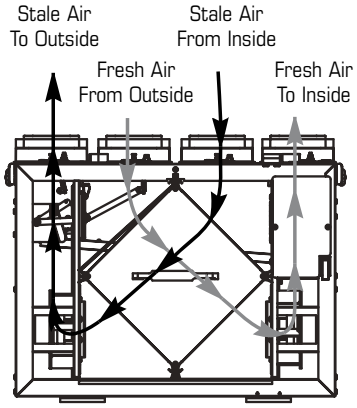
FOR MORE INFORMATION CONTACT:

Fantech, reserves the right to modify, at any time and without notice, any or all of its products' features, designs, components and specifications to maintain their technological leadership position.

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



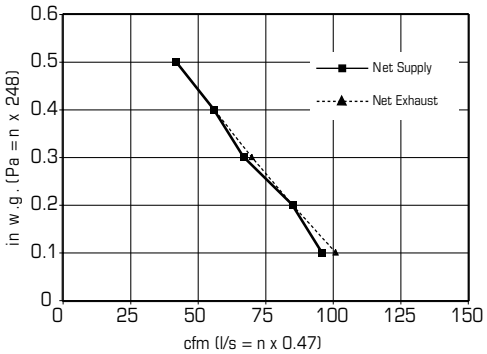




- Continuous ventilation mode of supply and exhaust airstreams
- 10" (254mm) of clearance is recommended for removal of core

Ventilation Performance

EXT. STATIC PRESSURE		NET SUPPLY AIR FLOW		GROSS AIR FLOW SUPPLY		GROSS AIR FLOW EXHAUST	
Pa	in wg	L/s	cfm	L/s	cfm	L/s	cfm
25	0.1	40	84	41	86	43	91
50	0.2	35	76	36	77	38	81
75	0.3	30	64	31	66	33	70
100	0.4	26	55	26	56	27	58
125	0.5	21	44	21	45	20	43



Energy Performance

	SUPPLY TEMPERATURE		NET AIRFLOW		POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS
	°C	°F	L/s	cfm			
Heating	0	32	25	52	34	61	69
	0	32	30	64	44	59	67
	0	32	35	75	44	59	66
	-25	-13	30	63	42	61	73

Specifications and Ratings

- Model: VHR 704R
- Total assembled weight: 30 lbs (13.5 kg)
- Cabinet: 24 ga. steel w/powder coat finish
- Motors: ebm motors w/backward curved blades
- Filters: 2 washable electrostatic filters 8.5" (216mm) x 8" (205mm) x 0.125" (3mm)
- Insulated with 1" (25 mm) aluminum foil-face high density polystyrene foam to prevent condensation and meet the requirements of the UL 94HF.
- Core: Aluminum 8.5" (216mm) x 8.5" (216mm) x 8" (205mm)
- Supply & exhaust ducts: 5" (125mm) oval
- Mounting: Wall bracket included
- Electrical requirements:

Volts	Frequency	Amps	Watts
115V	60Hz	0.40A	40W

3' plug-in power cord w/ 3-prong plug

Contacts

Submitted by: Date:

Qty: Model #:

Comments:

Project #:

Location:

Architect:

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