

Heat Recovery Ventilators And Controls

Fantech HRV's are designed to bring a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. The aluminum 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 so you save on energy costs. Equipped with automatic defrost mechanisms so even in the coldest climates you can use your HRV all year long!

Heat Recovery Ventilators - Side Port (SHR Series) & Top Port (VHR Series)



- 24 gauge galvanized steel with powder coated finish
- Insulated with 1" foil faced high density polystyrene foam
- Two (2) factory balanced EBM, three speed motors with backward curved blades
- Permanently lubricated sealed bearings guarantee long life and maintenance-free operation
- Two (2) washable electrostatic panel type air filters
- Aluminum heat recovery core designed for cross-flow ventilation ensures two air streams are always kept separate, preventing any incoming fresh air from becoming contaminated by the outgoing air
- External 3 position rocker switch that offers continuous ventilation, other controls available.
- Electronic control board operates with Fantech's wall controls & connects to existing HVAC equipment
- External screw type dry contacts for quick connection of remote controls
- A preset defrost sequence is activated at an outdoor air temperature of -5°C (23°F)
- Includes installation kit & 3' power cord with 3 prong plug
- Core, filters, motors and drain pan can be easily serviced through latched access door
- Warranty: Limited lifetime on aluminum core, 7 year on motors, and 5 year on parts

Duct Size	Average Airflow		Defrost Cycle	Electrical Requirements	Dimensions H x W x D	Part Number
	CFM @ 0.4" P _s	L/s @ 100 Pa				
Side Port Models (Horizontal Units)						
6" Round	159	75	Automatic	120V, 60Hz, 1.4 Amps, 156 Watts	16 1/4" x 23 3/4" x 17 1/4"	SHR150
	159	75	Recirculation	120V, 60Hz, 1.4 Amps, 156 Watts	16 1/4" x 23 3/4" x 17 1/4"	SHR150R*
	195	92	Recirculation	120V, 60Hz, 2.3 Amps, 240 Watts	20 1/2" x 28" x 17 1/4"	SHR200R
	201	95	Automatic	120V, 60Hz, 2.1 Amps, 150 Watts	20 1/2" x 27 7/8" x 17 3/8"	SHR2004
	253	119	Recirculation	120V, 60Hz, 2.8 Amps, 336 Watts	22 1/5" x 50 7/8" x 17 3/8"	SHR3005R**
*Energy Star qualified **Unit is larger to accommodate 2 heat recovery cores. Electrical box is inside cabinet						
Top Port Models (Vertical Units)						
4" Round	57	27	Recirculation	120V, 60Hz, 0.4 Amps, 48 Watts	17 3/16" x 22 1/2" x 10 3/16"	VHR70R*
5" Oval	104	49	Recirculation	120V, 60Hz, 1.4 Amps, 168 Watts	17 7/8" x 22 1/2" x 15"	VHR100R*
6" Oval	159	75	Recirculation	120V, 60Hz, 1.2 Amps, 156 Watts	18 3/8" x 23 3/4" x 17 3/16"	VHR150R*
6" Oval	173	82	Recirculation	120V, 60Hz, 1.4 Amps, 187 Watts	22 11/16" x 28" x 17"	VHR200R*
*Energy Star qualified						

See Page C30 For Optional Controls



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Heat Recovery Ventilator - Top Port - Compact



- Specially designed for small residential and multi-residential applications. With it's flexible and compact top port design incorporating the 5" oval wall bracket it can be installed in small spaces such as 24" closets or above the hot water heater.
- Equipped with Turbo Touch™ function to temporarily increase its exhaust capacity (up to 50%) when needed
- 24 gauge galvanized steel with powder coated finish
- Cabinet is fully Insulated with 1" high density expanded polystyrene
- Two (2) factory balanced EBM, three speed motors with backward curved blades
- Permanently lubricated sealed bearings guarantee long life and maintenance-free operation
- Two (2) washable electrostatic panel type air filters
- Aluminum heat recovery core designed for cross-flow ventilation ensures two air streams are always kept separate, preventing any incoming fresh air from becoming contaminated by the outgoing air
- External 3 position rocker switch that offers continuous ventilation, other controls available.
- Electronic control board operates with Fantech's wall controls & connects to existing HVAC equipment
- External screw type dry contacts for quick connection of remote controls
- A preset defrost sequence is activated at an outdoor air temperature of -5C (23F)
- Includes EZ-Mount wall bracket & 3' power cord with 3 prong plug
- Supply & Exhaust Ducts: 5" oval
- Core, filters, motors and drain pan can be easily serviced through latched access door
- Warranty: Limited lifetime on aluminum core, 7 year on motors, and 5 year on parts

Duct Size	Average Airflow		Defrost Cycle	Electrical Requirements	Dimensions H x W x D	Part Number
	CFM @ 0.4" P _s	L/s @ 100 Pa				
5" Oval	104	49	Recirculation	120V, 60Hz, 1.4 Amps, 168 Watts	17 7/8" x 21 1/2" x 15"	FLEX100

See Timers & Controls For Optional Controls



Davies

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Heat Recovery Ventilators And Controls

Timers & Controls

- Contemporary, low profile, slim line design, white. Includes mounting hardware.

Description	Features	Part Number
Pushbutton Timer (2 wire)	20 minute timer with LED light & high speed boost button. Up to 5 can be used with one system.	RTS2
Pushbutton Timer (3 wire)	20-40-60 min boost timer. Up to 5 can be used with one system.	RTS3
Pushbutton Timer (2 wire)	20-40-60 min boost timer. Press button once for 20 minute high speed, press twice for 40 minute high speed, three times for 60 minute high speed. Up to 5 used in one system.	RTS5
Triple-Function Wall Control (2 wire)	Low/high speed selection, 20 minute ON / 40 minute OFF cycle timer	EDF1
Dehumidistat (2 wire)	3 modes of operation: ventilation, recirculation, standby. Compatible with all Fantech's HRV/ERV (except SH/VH 704)	EDF7
Dehumidistat (2 wire)	Rotary dial. Multiple units can be used per system.	MDEH1
Eco-Touch™ Programmable Wall Control (2 wire)	One per system. See below for details.	ECO-TOUCH



RTS2



RTS3 & EDF1



RTS5



EDF7



MDEH1



ECO-TOUCH

Eco-Touch™ Programmable Touch Screen Wall Control Features:

- Eco-mode
- MAX mode gives you extra ventilation power to quickly clean air
- 20 minute ventilation/40 minute recirculation mode
- Preferences for desired indoor relative humidity range
- 2" x 3" (5 cm x7.5 cm) LCD backlit touch screen
- Ventilation movement is displayed on screen
- Indoor relative humidity display
- No battery to replace
- Filter maintenance reminder indicator
- All programmable settings are retained during power outages
- Error code messages reduce troubleshooting time
- Day and Night Settings
- 3 Ventilation modes: VENTILATION, RECIRCULATION, STANDBY/OFF



HRV Control Quick Selection Chart

HRV	RTS2	RTS3	RTS5	EDF1	EDF1R	EDF7	MDEH1	ECO-TOUCH
SHR150	•		•	•		•	•	•
SHR150R	•		•	•	•	•	•	•
SHR2004	•	•		•		•	•	•
SHR200R	•		•		•	•	•	•
SHR3005R	•	•		•	•	•	•	•
VHR70R	•		•	•	•	•	•	•
VHR100R	•		•	•	•	•	•	•
VHR150R	•		•	•	•	•	•	•
VHR200R	•		•	•	•	•	•	•
FLEX100	•		•	•	•	•	•	•