

HRVs for Balanced Ventilation

Provide fresh air while saving energy



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Why do you need one?



FLEX 100H
Heat Recovery Ventilator

As Fantech's most compact Energy Star qualified, full-featured heat recovery ventilators with recirculation defrost, these units bring a continuous supply of fresh air into a home while exhausting an equal amount of contaminated air. During winter, fresh incoming air is tempered by the heat that is transferred from the outgoing air so you save on energy costs, while in the summer, the incoming air is pre-cooled if the house is equipped with an air cooling system. The **VHR 70R** compact design can fit into a space 24" wide. **FLEX 100H**'s TurboTouch™ function boosts exhaust capacity by up to 50%. With its compact top port design the **VHR 150R** is a good fit for larger applications.

- Ultra efficient motorized blowers
- Cross-flow exchanger
- Internal recirculation defrost
- Integrated balancing damper
- Fully insulated with 1" high density foam cabinet
- Superior warranty*
- Optional ECO-Touch™ advanced control panel

Specification Data

Model	Port size (oval)	Voltage / phase	Rated power	Max amps	Average gross supply / exhaust airflow (cfm)						Effectiveness (ASE) at 32°C	Defrost cycle	Shipping weight
	inch	V / ~	W	A	0.2" P _s	0.3" P _s	0.4" P _s	0.5" P _s	0.6" P _s	0.7" P _s			
VHR 70R	5	120 / 1	48	0.4	74 / 69	66 / 64	58 / 60	50 / 53	42 / 43	-	74	Recirculation	30
FLEX 100H	5	120 / 1	168	1.4	132 / 133	118 / 120	107 / 107	97 / 95	89 / 85	82 / 73	80	Recirculation	40
VHR 150R	6	120 / 1	156	1.4	184 / 184	-	160 / 160	136 / 136	113 / 113	-	79	Recirculation	44

* Lifetime limited warranty on aluminum cores, 7 year limited motor warranty, 5 year limited warranty on component parts

Selecting the Right Unit

The American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE) has developed a guideline to evaluate the minimum ventilation needs of a home according to ASHRAE Standard 62.2, Ventilation for Acceptable Indoor Air Quality.

The standard defines whole house and local ventilation needs. Whole house ventilator sizing is based on the home's overall liveable surface area and the number of bedrooms.

The whole house ventilation is the continuous ventilation rate required to meet the minimum requirements of the standard, represented in the table to the right.

Along the left side of the table simply select the size of the home; then find the corresponding line matching the number of bedrooms; the resulting number is the amount of CFM you will need in a whole house ventilator.

Living area	Number of bedrooms				
	0-1	2-3	4-5	6-7	> 7
sq.ft.	cfm				
< 1,500	30	45	60	75	90
1,500 - 3,000	45	60	75	90	105
3,001 - 4,500	60	75	90	105	120
4,501 - 6,000	75	90	105	120	135
6,001 - 7,500	90	105	120	135	150
> 7,500	105	120	135	150	165

Ventilation needs of a home, ASHRAE 62.2

ECO-Touch™ Programmable Wall Control

The ECO-Touch™ ventilation controller features a complete touch screen technology. A smart design and user-friendly interface sets this wall control

above the rest, allowing homeowners to take their comfort to the next level. Finally, fresh air is within your reach.



Customer Support:

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