

Gold Series

ENERGY RECOVERY VENTILATOR

vaneE 1001 ERV Part #43808

64 to 152 CFM (0.3 in. w.g.)
60 to 142 CFM (0.4 in. w.g.)



VB0024

FOR RENOVATION & CUSTOM BUILT HOUSE

Designed for homeowners seeking best performance, added value, quality and a longer warranty.

Recognized for its unsurpassed quality and superior craftsmanship, the Gold Series reflects a new level of exceptional performance. It is guaranteed to satisfy the homeowner looking for durability, reliability and performance. The Gold Series: the best of the vaneE experience.

Solid Performances

- Best heat recovery in its category
- Best airflow range in its category
- Exclusive convertible ERV (Latent Recovery Core) to an HRV
- Gold Series blower design makes the unit quieter than ever

Superior Craftsmanship

- External electrical access side panel
- Integrated balancing dampers
- All parts removable in 5 minutes
- Aluminum framed foam filter
- Improved sliding system for core insertion
- Exclusive, deeper one piece condensation tray to prevent water leakage
- No sharp angles on metal parts
- Exclusive, reinforced cabinet
- Improved defrost damper and damper mechanism, designed to operate during the toughest weather conditions
- Frost Buster™: defrost failure protection system designed to protect against damper malfunction

Tradition of Quality

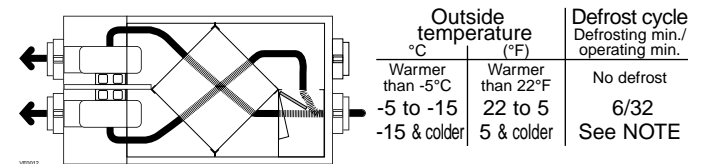
- Proven technology and mechanical simplicity for heat recovery
- Low motor temperature operation for longer life expectancy
- 5-year warranty

Available at:

Controls and Options

- Built-in electronic circuit board ready to receive one of the following main controls:
 - Basic #40210
 - Electro #40220
- One of the following optional controls can be added:
 - 20-min. lighted push button #1806110
 - 60-min. mechanical timer #00910
 - 20/40/60-min. push button #03701
- Integrated furnace interlock relay
- Complete line of registers and diffusers available
- Electric duct heater
- On-line filter

Defrost



Energy Recovery Core

Dimensions: 12" x 12" x 12.875" (30.5 cm x 30.5 cm x 32.7cm)

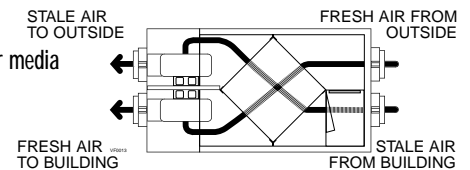
Exchange surface: 116 ft² (10.79 m²)

Weight: 8.9 lbs (4.03 kg)

Type: Crossflow

Material: Enthalpic transfer media

Warranty: 5 years



FROST BUSTER™: The Smart Defrost System

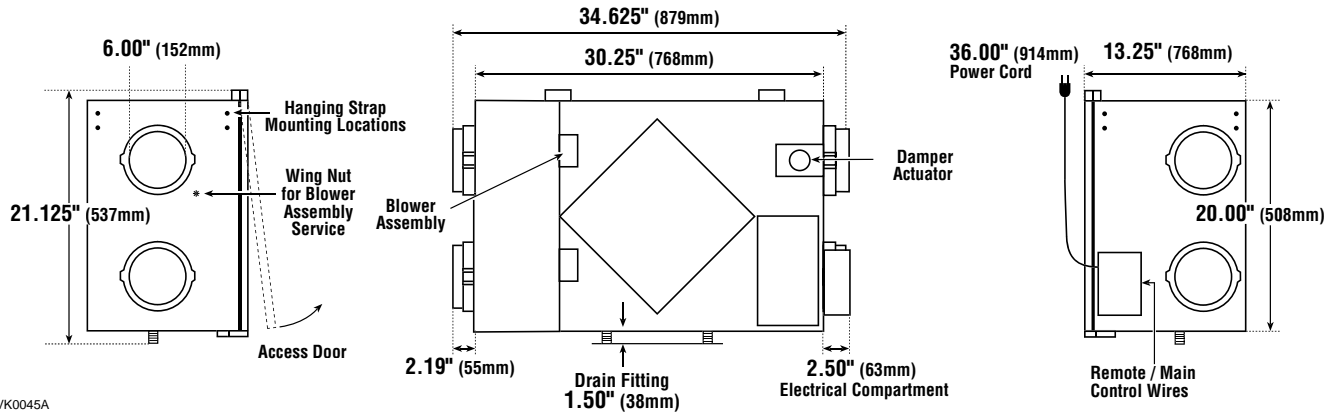
The Gold Series uses a defrost failure protection system that prevents the unit from allowing cold air to enter into the house. In the event of a damper motor relay or damper motor mechanism malfunction, the air entering the house from the core could be colder than -10°C (14°F). To avoid excessive cold air throughout the house or damage to the unit, the failure protection system will shut down the unit and the air exchange LED will flash to signal the failure. In case of minor problems, the system will command a second defrost sequence and a third if necessary before shutting down the unit when the temperature has not risen above +5°C (41°F).

NOTE: The enthalpic core requires extra protection when the outside temperature drops below -15°C (5°F). Therefore, under these conditions, the unit will run 20 minutes at low speed, followed by 6 minutes in defrost and 34 minutes at "off" for every hour, until the exterior temperature becomes warmer.

Requirements and Standards

- Complies with the CSA C22.2 #113 Standard applicable to ventilators.
- Complies with the CSA C444 requirements regulating the installation of Energy Recovery Ventilators.
- Technical data was obtained from published results of tests relating to CSA C429 Standards.
- HVI certified.

Dimensions and Service Clearances of vanEE 1001 ERV

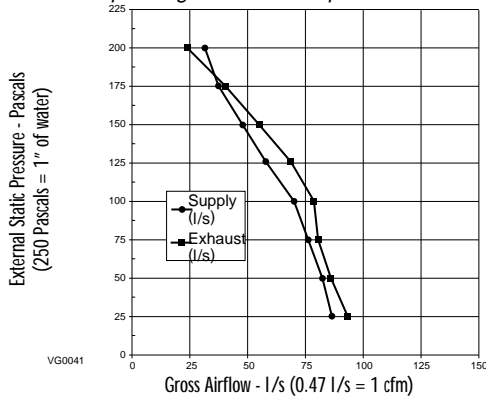


VK0045A

Ventilation Performance

External Static Pressure	Net Supply Air Flow	Gross Air Flow					
		Supply		Exhaust			
Pa	in. w.g.	l/s	cfm	l/s	cfm	l/s	cfm
25	0.1	81	173	87	184	93	197
50	0.2	78	165	83	175	86	182
75	0.3	72	152	76	162	80	169
100	0.4	67	142	71	151	77	163
125	0.5	55	117	59	124	67	143
150	0.6	46	98	49	104	56	118
175	0.7	36	77	39	82	41	87
200	0.8	30	63	32	67	24	51

Note: Unit operating at maximum speed.

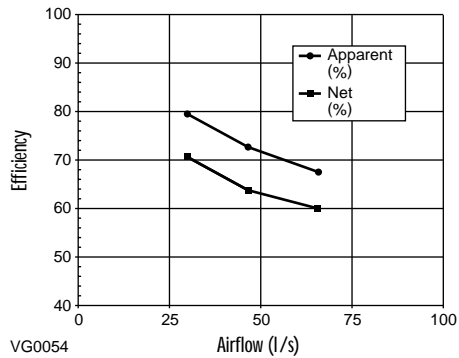


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Energy Performance

	Supply Temperature		Net Airflow		Average Sensible Power	Recovery Efficiency	Apparent Sensible Effectiveness	Latent Recovery Moisture Transfer
	°C	°F	l/s	cfm	Watts	%	%	
HEATING	0	32	29	60	56	71	79	0.52
	0	32	47	100	80	64	73	0.41
	0	32	65	137	126	60	68	0.36
	-15	5	31	65	64	56	81	0.41
Total recovery efficiency								45
COOLING	35	95	28	59	52			



VG0054



Specifications and Ratings

- Model: vanEE 1001 ERV
- Part Number #43808
- Total Assembled Weight:
 - With enthalpic transfer media core: 65 lbs (30 Kg)
- Supply Air Duct Connections: 6" diameter
- Exhaust Air Duct Connections: 6" diameter
- Drains: 1/2" fittings
- Filters: 30 ppi washable reticulated foam
 - 11.75" x 12.87" x 0.75"
 - (29.85 x 32.69 x 1.9 cm)
- Cabinet: 20 ga. pre-painted steel

- Insulation: 1.00" aluminum foil faced fiberglass
- Mounting: Reinforced rubber straps (or chain) and hardware provided to suspend unit
- Supply & Exhaust Blower Motors:
 - Voltage: 120 volts
 - Hz: 60 Hz
 - HP: 1/12
 - RPM: 1600/1300/1050
 - Bearings: Sleeve bearings
 - Type: PSC

- Fan Speed Control:
 - Low, increased low speed & high
 - Two speeds available to user.
 - Low or increased low speed is selected at the time of installation.

- Unit Electrical Characteristics:
 - Voltage: 120 volts
 - Power: 147 watts
 - Current: 1.4 amps



NOTE: All specifications are subjected to change without notice.

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



550 Lemire Blvd., Drummondville, QC, Canada J2C 7W9 - Tel.: 1-800-567-3855 Fax: 1-800-567-1715



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