

HEAT RECOVERY VENTILATORS

Models 2.6 HE and 3000 HE

Part #48405 *vänEE* Canada (3000 HE)
 Part #48400 Venmar Canada and U.S. (2.6 HE)

180 to 321 cfm (0.4 in. w.g.)



VB0045

2.6 HE

VB0046

3000 HE

FOR HOMEOWNERS LOOKING FOR THE BEST PERFORMANCE, ADDED VALUE, QUALITY AND A LONGER WARRANTY.

Recognized for its unsurpassed quality and superior craftsmanship, the High Efficiency Series reflects a new level of exceptional performance. It is guaranteed to satisfy the homeowner looking for durability, reliability and performance.

- Vertical design
- All ports on top
- HomeShield™ patented defrost system, no negative pressure
- SilentSure™ quiet operation
- May use all wall controls
- Low voltage connector for optional controls
- R-2000 approved

REPAIRS AND MAINTENANCE

All parts of the High Efficiency HRVs can be removed quickly, allowing direct access for easy repairs. The low power consumption PSC motors are permanently lubricated. Even better, the entire motor assembly can be removed for easier maintenance. Finally, the electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

WARRANTY

The High Efficiency HRV units are fully protected by a 5-year warranty on parts, the best in the industry, and the heat recovery core is covered by a lifetime warranty for as long as the buyer owns the house in which the unit was installed.

Available at:

Controls

- Built-in electronic circuit board ready to receive one of the following main controls:

Venmar		<i>vänEE</i>	
-VENTA	#40310	-BASIC	#40210
-SUPRA	#40320	-ELECTRO	#40220
-ULTIMA	#40340		

- One or more of the following optional controls can be added:

- Humidity Control	#11297 (Venmar)	#200694 (<i>vänEE</i>)
- 60-min. mechanical timer	#00910 (Venmar and <i>vänEE</i>)	
- 20/40/60-minute push button	#03364 (Venmar)	#03701 (<i>vänEE</i>)
- Wireless 20-minute remote control	#03366 (Venmar)	

Options

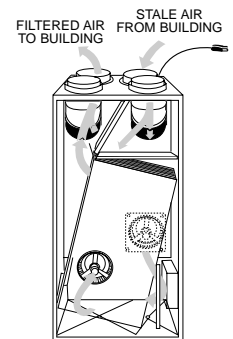
- Furnace interlock relay.
- Complete line of registers and diffusers.
- Electric duct heater.
- Installation parts available from your wholesaler.

No Negative Pressure Defrost

The HRV High Efficiency units use a unique defrost method. No negative pressure is created by air exhausted to the outside, as the air is recirculated into the house, thus avoiding any return from the chimney. Moreover, this defrost method by air circulation ensures that no shortage of air is created for the combustion units.

AIR FLOW DURING DEFOST (and in circulation)

OUTSIDE TEMPERATURE		DEFOST CYCLE defrosting min. / operating min.
°C	(°F)	
Warmer than -5	Warmer than (23)	No defrost
-5 TO -15	(23 TO 5)	6/60
-15 TO -27	(5 TO -19)	6/32
-27 & LESS	(-19 & LESS)	6/20



VF0002
2.6 HE and 3000 HE

Heat Recovery Core

Dimensions: 15" x 28" x 14-3/8" (38 cm x 71 cm x 36.5 cm)

Exchange surface: 184 ft² (17.1 m²)

Weight: 32 lbs (14 kg)

Type: Counterflow

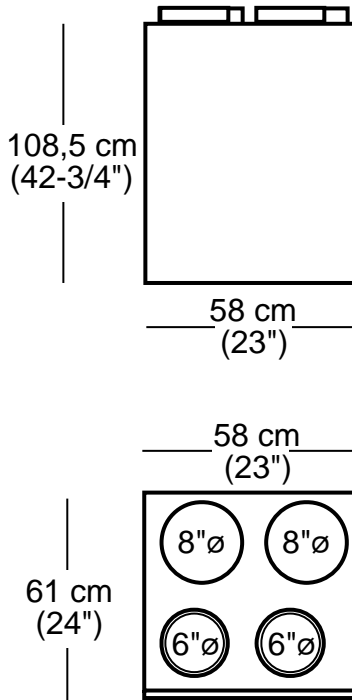
Material: Polypropylene (coroplast) light and easy to clean

Warranty: Limited lifetime

Requirements and Standards

- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators (US only).
- Complies with the CSA C22.2 # 113 Standard applicable to ventilators.
- Complies with CSA C444 requirements regulating the installation of Heat Recovery Ventilators.
- Technical data was obtained from published results of tests relating to CSA C439 Standards.
- HVI certified.

Dimensions and Service Clearances: HRV 2.6 HE and 3000 HE

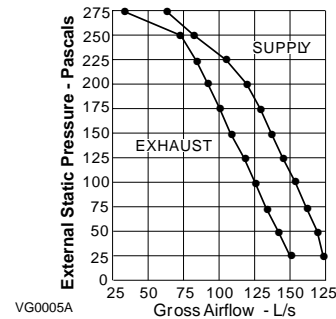


VK0010

NOTE : In order to obtain ventilation performances shown on technical data, use 6" to 8" transitions on 6" ports, 8" flexible ducts and 8" exterior ports.

Ventilation Performance

EXT STATIC PRESSURE	NET SUPPLY AIR FLOW		GROSS AIR FLOW				
	Pa	in.w.g.	l/s	cfm	SUPPLY	EXHAUST	EXHAUST
25	.1	168	357	171	364	148	314
50	.2	166	352	169	360	138	294
75	.3	157	334	160	340	131	279
100	.4	151	321	154	328	125	266
125	.5	141	300	144	306	116	247
150	.6	135	288	138	294	109	232
175	.7	125	267	128	272	99	211
200	.8	116	246	118	251	93	198
225	.9	103	219	105	223	84	179
250	1.0	81	173	83	177	74	157
275	1.1	63	133	64	136	33	70



Energy Performance

SUPPLY TEMPERATURE		NET AIR FLOW	POWER CONSUMED	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
C°	F°					
HEATING						
0	+32	55	117	198	219	80
0	+32	86	183	310	290	74
0	+32	117	249	421	436	70
-25	-13	55	117	198	264	74
COOLING						
						TOTAL RECOVERY EFFICIENCY
+35	+95	85	181	306	286	12
+35	+95	115	245	414	434	9

Specifications and Ratings

- Models: Venmar 2.6 HE and vanEE 3000 HE
- Part Number #48400 Canada only, #48405 U.S. and Canada
- Total Assembled Weight (including polypropylene core): 140 lbs (63.5 kg)
- Outgoing Air Duct Connections: -stale: 6" (15.25 cm) -fresh: 8" (20 cm)
- Incoming Air Duct Connections: -stale: 8" (20 cm) -fresh: 6" (15.25 cm)
- Drains: 1/2" (1.2 cm) fittings with 10ft (3 m) PVC drain
- Filters: 20 ppi washable reticulated foam
- Cabinet: 20 ga. pre-painted steel
- Insulation: 3/4" (1.9 cm) expanded polystyrene and 1/2" (1.2 cm) acoustic fiberglass wool
- Mounting:
 - suspension by chains and springs
 - 40 ft (12.2 m) wire for wall control
- Supply & Exhaust Blower Motor: 2 motors
 - Protection type: Thermally protected
 - Insulation class: B
 - V (motor marking): 120 Vac, 50/60 Hz, 2.9 A, 1350/1520/1690 RPM
- Fan Speed Controls: -Low, increased low & high speed.
 - Two speeds available to user.
 - Low or increased low speed is selected at the time of installation.
- Heat Recovery Core:
 - Heat exchange Surface Area: 184 ft² (17.1 m²)
 - Type / Material: Counterflow / Polypropylene
- Unit Electrical Characteristics:
 - Voltage: 120 volts
 - Power: 500 watts
 - Current: 5.4 amperes
 - Hz: 60 Hz

NOTE: All specifications are subjected to change without notice.

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



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