

## vănEE 2000 HE

Part no. 45405

115 to 197 cfm (0.4 in. w.g.)



VB0153

### 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
- Low voltage connector for optional controls
- ENERGY STAR® qualified

### REPAIRS AND MAINTENANCE

All parts of the 2000 HE HRV can be removed quickly, allowing direct access for easy repairs. The low power consumption PSC motors are permanently lubricated. Even better, the entire motor subassembly can be removed for easier maintenance. Finally, the electronic circuit board eliminates electromechanical parts, reducing repair time to a minimum.

### WARRANTY

The 2000 HE HRV is 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 has been installed.

Available at:

## HEAT RECOVERY VENTILATOR

### Controls

- Our main control Platinum (no. 40460) allows you to manage your ventilation with a programmable mode. This control also features our fully automated optimizer mode called the Smart mode.
- One or more of the following optional controls can also be added:
  - Humidity Control no. 200694
  - 20/40/60-minute push button no. 03701
  - 60-minute mechanical timer no. 00910

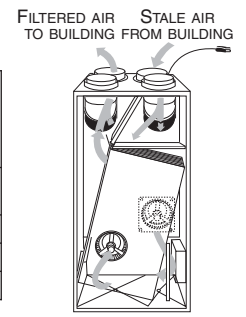
### Options

- Integrated furnace interlock relay
- Complete line of registers and diffusers
- Electric duct heater
- Installation parts are available from your wholesaler

### No Negative Pressure Defrost

The 2000 HE HRV unit uses a unique defrost method. No negative pressure is created by air exhausted to the outside, as the air is recirculated into the house, helping to prevent any backdraft.

OUTSIDE TEMPERATURE		DEFROST 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



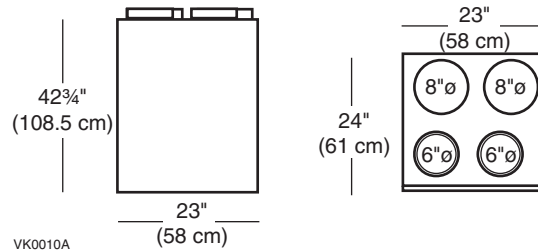
### Heat Recovery Core

Dimensions: 15" x 28" x 14 $\frac{3}{8}$ " (38 cm x 71 cm x 36.5 cm)  
 Exchange surface: 184 ft<sup>2</sup> (17.1 m<sup>2</sup>)  
 Weight: 32 lb (14 kg)  
 Type: Counterflow  
 Material: Polypropylene, light and easy to clean  
 Warranty: Limited lifetime

### Requirements and standards

- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with the CSA C444 requirements regulating the installation of Heat Recovery Ventilators
- Technical data were obtained from published results of tests relating to CSA C439 Standards
- HVI certified and ENERGY STAR® qualified

## Dimensions: HRV 2000 HE

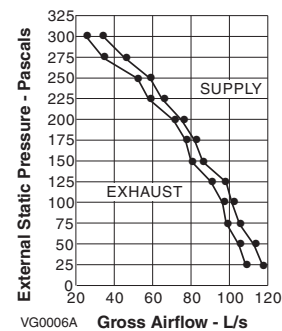


## Ventilation Performance

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	109	231	116	246	107	227
50	0.2	107	227	114	242	103	218
75	0.3	99	209	105	222	97	206
100	0.4	93	197	99	210	93	197
125	0.5	89	189	95	201	88	186
150	0.6	81	171	86	182	81	172
175	0.7	75	159	80	169	76	161
200	0.8	68	143	72	153	69	145
225	0.9	62	131	66	140	58	123
250	1.0	55	116	58	123	50	106
275	1.1	43	92	46	97	35	74
300	1.2	29	62	31	66	23	49

## Energy Performance

SUPPLY TEMPERATURE		NET AIR FLOW			POWER CONSUMED	SENSIBLE RECOVERY	APPARENT SENSIBLE	LATENT/RECOVERY
°C	°F	L/S	CFM	M <sup>3</sup> /H	WATTS	EFFICIENCY	EFFECTIVENESS	MOISTURE TRANSFER
HEATING								
0	32	52	111	187	158	84	95	0.05
0	32	55	117	198	-	84	-	-
0	32	71	151	256	184	79	90	0.03
0	32	84	179	302	210	79	89	0.12
-25	-13	57	121	205	176	72	88	-0.04
COOLING								
						TOTAL RECOVERY EFFICIENCY		
35	95	55	117	198	160	13		
35	95	76	162	274	198	15		



NOTE: All specifications are subject to change without notice.

## Specifications

- Model: vänEE 2000 HE
- Part No.: 45405
- Total assembled weight (including polypropylene core): 140 lb (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 10' (3 m) PVC drain
- Filters: 20 ppi washable reticulated foam
- Housing: Pre-painted steel
- Insulation: 3/4" (1.9 cm) expanded polystyrene & 1/2" acoustic fiberglass wool
- Mounting:
  - Suspension by chains and springs
  - 40 ft (12.2 m) wire for wall control
- Supply and Exhaust blower motor: 2 motors
  - Protection type: Thermally protected
  - Insulation class: B
- Fan speed control:
  - 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 ft<sup>2</sup> (17.1 m<sup>2</sup>)
  - Type: Counterflow
  - Material: Polypropylene
- Unit electrical characteristics:
  - Voltage: 120 volts
  - Power: 250 watts
  - Current: 2.5 amperes
  - Frequency: 60 Hz

PROJECT:	REMARKS
LOCATION:	
MODEL NO.:	
QTY.:	
SUBMITTED BY:	DATE:



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www.vanee-ventilation.com

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