

**vänEE 3000 HE**  
**PART NO. 48405**

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



VB0182

**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

**REPAIRS AND MAINTENANCE**

All parts of the 3000 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 3000 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**

- This unit must be controlled by a main control. For a complete list of main and optional auxiliary controls available, refer to the **Wall Control Compatibility Chart** on last pages of wall controls specification sheet, available at [www.vanee.ca](http://www.vanee.ca).
- For more details about controls, refer to their specification sheet and to the **Main and auxiliary wall control user guide** at [www.vanee.ca](http://www.vanee.ca).

**Options**

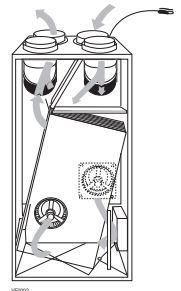
- Integrated furnace interlock relay
- Complete line of registers and diffusers
- Electric duct heater
- Installation parts are available from your wholesaler

**No Negative Pressure Defrost**

The 3000 HE HRV 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.

Outdoor 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 and less	-19 and less	6/20

Filtered air to building      Stale air from building



**Heat Recovery Core**

Dimensions: 15" x 28" x 14 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

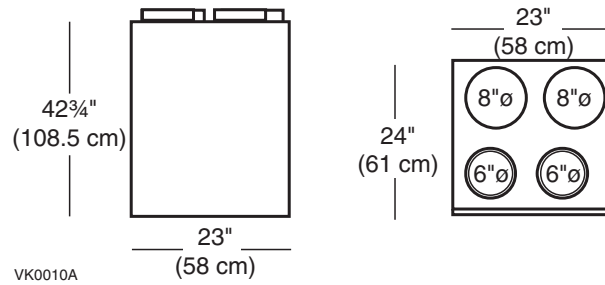
Material: Polypropylene, light and easy to clean

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

# DIMENSIONS: HRV 3000 HE

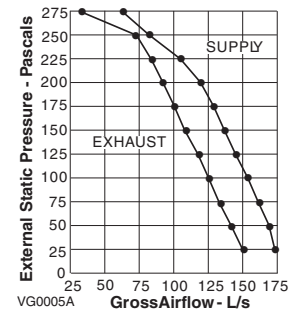


## VENTILATION PERFORMANCE

EXTERNAL STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW					
PA	IN. W.G.	L/S	CFM	M <sup>3</sup> /H	SUPPLY			EXHAUST		
					L/S	CFM	M <sup>3</sup> /H	L/S	CFM	M <sup>3</sup> /H
25	0.1	168	357	607	172	364	618	148	314	533
50	0.2	166	352	598	170	360	612	139	294	500
75	0.3	158	334	567	160	340	578	132	279	474
100	0.4	151	321	545	155	328	557	126	266	452
125	0.5	142	300	510	144	306	520	117	247	420
150	0.6	136	288	489	139	294	500	109	232	394
175	0.7	126	267	454	128	272	462	100	211	358
200	0.8	116	246	418	118	251	426	93	198	336
225	0.9	103	219	372	105	223	379	84	179	304
250	1.0	82	173	294	84	177	301	74	157	267
275	1.1	63	133	226	64	136	231	33	70	119

## ENERGY PERFORMANCE

SUPPLY T		NET AIR FLOW			POWER CONSUMED	SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS	LATENT RECOVERY/MOISTURE TRANSFER
°C	°F	L/s	CFM	M <sup>3</sup> /H	WATTS			
HEATING								
0	32	55	117	198	219	80	94	-0.07
0	32	86	183	310	290	74	86	0.02
0	32	117	249	421	436	70	83	-0.01
-25	-13	55	117	198	264	74	89	0.07
COOLING								
						TOTAL RECOVERY EFFICIENCY		
35	95	85	181	306	286	12		
35	95	115	245	414	434	9		



NOTE: All specifications are subject to change without notice.

## SPECIFICATIONS

- Model: vänEE 3000 HE
- Part Number: 48405
- 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 and 1/2" acoustic fiberglass wool
- Mounting:
  - Suspension by chains and springs
- 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: 120 V 60 Hz 500 W 5.4 A

Project:	REMARKS
Location:	
Part no.: 48405	
Qty.:	
Submitted by: _____ Date: _____	



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