

## vănEE 3000 HE

Part no. 48405

180 to 321 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 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

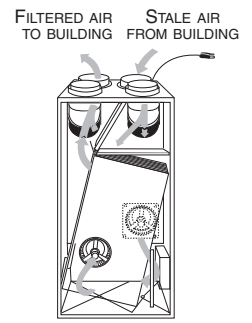
- Our main control Platinum (no. 40460) allows you to manage your ventilation with a programmable mode. This control also features our fully automated optimizer mode called the Smart mode.
- One or more of the following optional controls can also be added:
  - Humidity Control no. 200694
  - 20/40/60-minute 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 3000 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

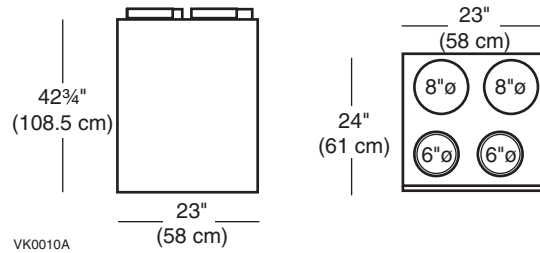
### Heat Recovery Core

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 3000 HE

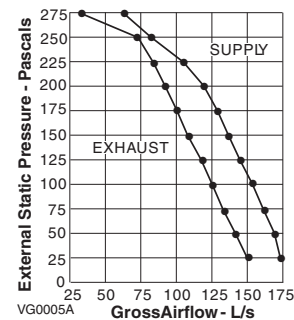


## Ventilation Performance

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	168	357	172	364	148	314
50	0.2	166	352	170	360	139	294
75	0.3	158	334	160	340	132	279
100	0.4	151	321	155	328	126	266
125	0.5	142	300	144	306	117	247
150	0.6	136	288	139	294	109	232
175	0.7	126	267	128	272	100	211
200	0.8	116	246	118	251	93	198
225	0.9	103	219	105	223	84	179
250	1.0	82	173	84	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	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 No.: 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
  - 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: 500 watts
  - Current: 5.4 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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