

vånEE 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

- The following main controls are available:
 - Platinum programmable digital control with Smart mode no. 40460
 - Deco-Touch digital control no. 40295
- One or more of the following optional controls can also be added:
 - Dehumidistat no. 200694
 - 20/40/60-minute push button no. 03701
 - 60-minute mechanical timer no. 00910

Options

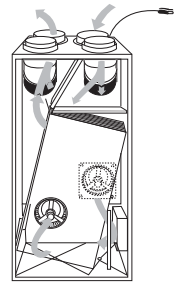
- Integrated furnace interlock relay
- Complete line of registers and diffusers
- Electric duct heater
- Installation parts are available from your wholesaler

No Negative Pressure Defrost

The 3000 HE HRV 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



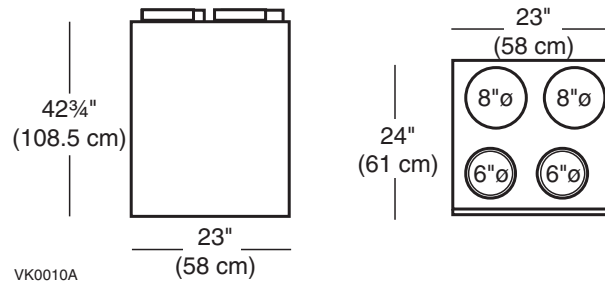
Heat Recovery Core

Dimensions: 15" x 28" x 14 3/8" (38 cm x 71 cm x 36.5 cm)
 Exchange surface: 184 ft² (17.1 m²)
 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

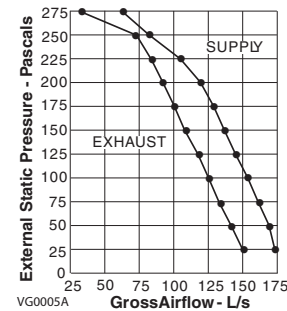


VENTILATION PERFORMANCE

EXTERNAL STATIC PRESSURE		NET SUPPLY AIR FLOW			GROSS AIR FLOW					
PA	IN. W.G.	L/S	CFM	M ³ /H	SUPPLY			EXHAUST		
					L/S	CFM	M ³ /H	L/S	CFM	M ³ /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 ³ /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 ft² (17.1 m²)
 - 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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