

**Bronze Series**

**vånEE 100H**

**Part no. 1601706**

66 to 150 CFM (0.4 in. w.g.)



VB0295

**BRONZE SERIES: PERFECT FOR NEW RESIDENTIAL CONSTRUCTIONS**

Contractors and builders need cost-effective, reliable and code-compliant mechanical ventilation systems for new home construction. The vånEE Bronze Series offers superior value at an entry-level price. The 100H represents over 15 years of continuous improvement to deliver contractors the durability and reliability they have come to expect from vånEE.

Key features:

- Maintenance free, totally enclosed, sealed bearings motor
- Pressure taps, balancing dampers and straps for insulated ducts for quick, effective installation
- Integrated "snap-in" drain system installs in seconds with no additional parts
- Compatible with the Deco-Touch™ digital wall control

**REPAIRS AND MAINTENANCE**

All parts of the vånEE 100H that could need maintenance can be removed in less than 5 minutes, allowing direct access for easy repairs. The motor is permanently lubricated.

**WARRANTY**

The vånEE 100H is protected by a 5-year warranty on parts only. The heat recovery core is covered by a limited lifetime warranty, with the original proof of purchase.

Available at:



**HEAT RECOVERY VENTILATOR**

**Controls**

- This unit is very simple to operate: press on its push button, located on the electrical compartment, to activate it. Press once for low speed, once again for high speed, and once more to stop it.
- For more convenience, this unit can also be controlled by an optional main control. For a complete list of optional main and 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).

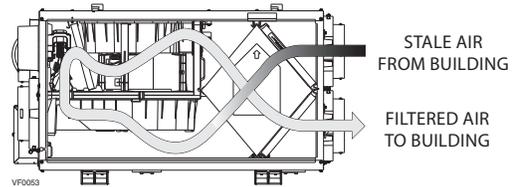
**Options**

- Complete line of registers and diffusers

**Defrosting System**

The Bronze Series uses an efficient defrosting 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 (IN MINUTES)
°C	°F	DÉGIVRAGE/FONCTIONNEMENT
WARMER THAN -5	WARMER THAN 23	NO DEFROST
-5 TO -15	23 TO 5	7/50
-15 TO -27	5 TO -17	7/25
-27 AND LESS	-17 AND LESS	10/20



**Heat Recovery Core**

Dimensions: 12" x 14" x 15.5" (30.5 cm x 35.5 cm x 39.4 cm)

Exchange surface: 102 ft.<sup>2</sup> (9.54 m<sup>2</sup>)

Weight: 6.2 lb. (2.8 kg)

Material: Polypropylene

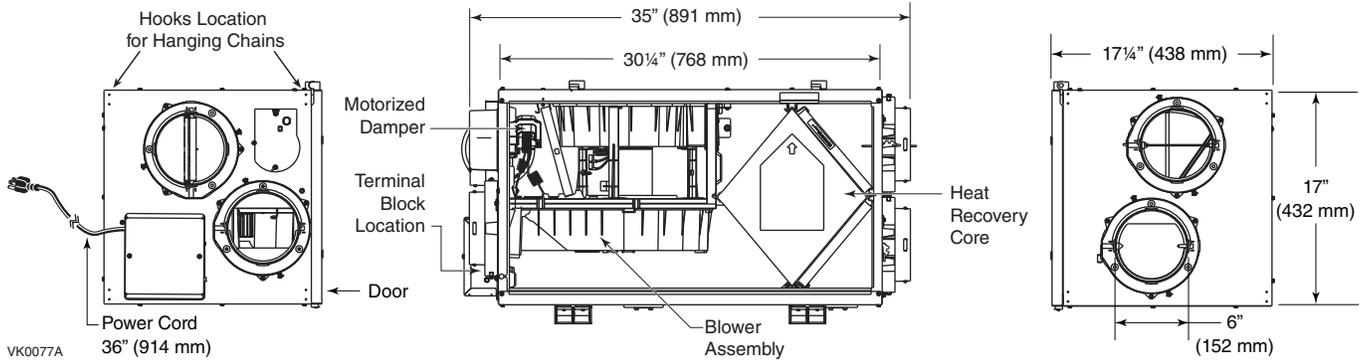
Type: Crossflow core

Warranty: Limited lifetime

**Requirements and standards**

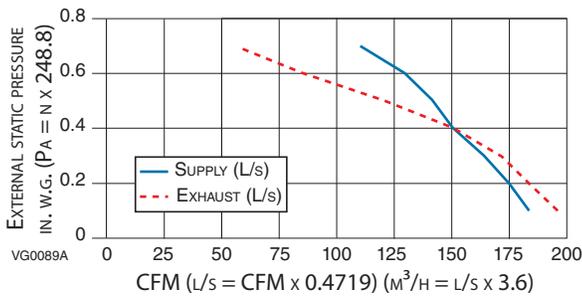
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from published results of tests relating to CSA C439 Standards
- HVI certified

# DIMENSIONS: VÄNEE 100H



## 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	85	180	306	86	182	309	92	195	330
50	0.2	82	174	296	82	174	297	86	182	309
75	0.3	77	163	277	77	163	279	81	172	291
100	0.4	71	150	255	71	150	257	71	150	257
125	0.5	67	142	240	67	142	241	57	121	204
150	0.6	60	127	217	61	129	221	40	85	144
175	0.7	51	108	183	52	110	187	27	57	97

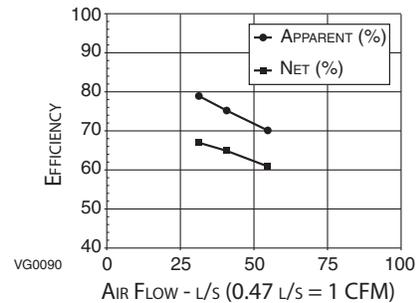


## ENERGY PERFORMANCE

SUPPLY TEMP.		NET AIR FLOW			POWER CONSUMED WATTS	SENSIBLE RECOVERY EFFICIENCY	ADJUSTED SENSIBLE RECOVERY EFFICIENCY	APPARENT SENSIBLE EFFECTIVENESS*	LATENT RECOVERY MOISTURE TRANSFER
°C	°F	L/S	CFM	M <sup>3</sup> /H					
HEATING									
0	32	31	66	112	67	67	74	79	-0.01
0	32	40	85	146	74	65	71	75	-0.01
0	32	54	114	195	90	61	66	70	-0.01
-25	-13	38	81	138	87	60	64	76	0.02

\*Data not certified by HVI.

NOTE: All specifications are subject to change without notice.



## SPECIFICATIONS

- Model: 100H
- Part number: 1601706
- Total assembled weight (including polypropylene core): 65 lb. (29.5 kg)
- Drains: 1/2" (1.2 cm) fittings with 10 ft. (3 m) PVC drain hose
- Filters: 15 ppi washable reticulated foam 15.375" x 7.125" x 0.75" (39 cm x 18 cm x 1.9 cm)
- 6" round ports
- Housing: pre-painted steel
- Insulation: expanded polystyrene Installation: suspension by chains and springs
- Supply and exhaust blower motor: 1 PSC motor
  - Protection type: thermally protected
  - Insulation class: B
- Speed control on unit: low and high speed. Other modes available with optional main and auxiliary wall controls.
- Heat recovery core:
  - Heat exchange surface area: 102 ft.<sup>2</sup> (9.54 m<sup>2</sup>)
  - Type/Material: Crossflow/Polypropylene
- Unit electrical characteristics:
 

Volts	Frequency	Amps	Watts
120	60 Hz	1.5	160

Project:	REMARKS
Location:	
Model no.: 1601706	
Quantity:	
Submitted by: _____ Date: _____	



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