



*Bronze Series*

## vänEE 100H

Part no. 1601706

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



VB0173

### **BRONZE SERIES: PERFECT FOR NEW RESIDENTIAL CONSTRUCTION**

Contractors and builders need cost-effective, reliable and code-compliant mechanical ventilation systems for new home construction. The vänEE 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 vänEE.

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
- ENERGY STAR® qualified

### **REPAIRS AND MAINTENANCE**

All parts of the vänEE 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 vänEE 100H is protected by a 5-year warranty on parts. 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.
  - The following main controls are available:
    - Deco-Touch digital control\* no. 40295
    - Lite-Touch Bronze no. 40270
    - Bronze no. 40250
  - \* Recirculation mode not available.
  - Up to 5 of the following optional auxiliary controls can also be added:
    - Humidity Control no. 200694
    - 20-min. lighted push-button no. 180611
- For more details about controls, refer to their specification sheet on [vanee-ventilation.com](http://vanee-ventilation.com).

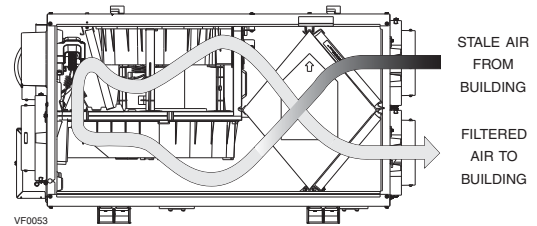
## **Option**

- 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.

OUTSIDE TEMPERATURE		DEFROST CYCLE
°C	°F	DEFROSTING MIN./OPERATING MIN.
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 & LESS	-17 & 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

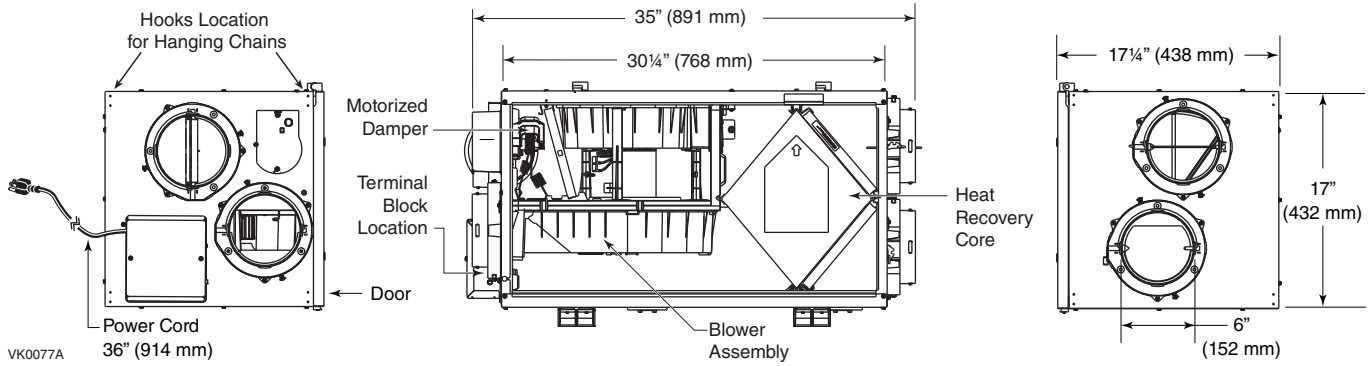
Type: Crossflow core

Warranty: Limited lifetime

## **Requirements and Standards**

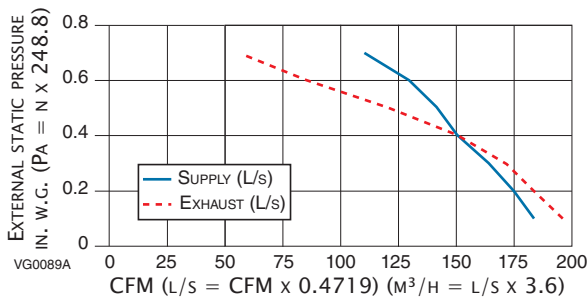
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- HVI certified and ENERGY STAR® qualified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

# Dimensions: vänEE 100H



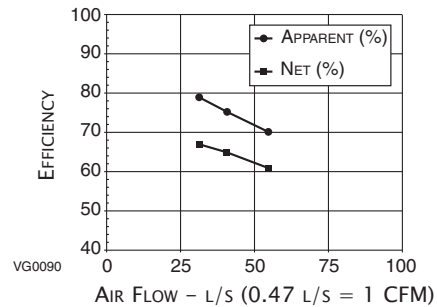
## Ventilation Performance

EXT. 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	194	330
50	0.2	82	174	296	82	175	297	86	182	309
75	0.3	77	163	277	77	164	279	81	171	291
100	0.4	71	150	255	71	151	257	71	151	257
125	0.5	67	141	240	67	142	241	57	120	204
150	0.6	60	128	217	61	130	221	40	85	144
175	0.7	51	108	183	52	110	187	27	57	97



## 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	31	66	112	67	67	79	-0.01
0	32	40	86	146	74	65	75	-0.01
0	32	54	115	195	90	61	70	-0.01
-25	-13	38	81	138	87	60	76	0.02



NOTE: All specifications are subject to change without notice.

## Specifications and Ratings

- 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
- 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
- Mounting: Suspension by chains and springs
- Supply & Exhaust Blower Motor: 1 PSC motor
  - Protection type: Thermally protected
  - Insulation class: B
- Speed Control on unit: Low & High speed. Other modes available with optional main 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.:	
QTY.:	
SUBMITTED BY:	DATE:



550 Lemire Blvd., Drummondville, QC, Canada J2C 7W9 – Tel.: 1-800-567-3855 Fax: 1-800-567-1715



www.vanee-ventilation.com

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