

## Bronze Series

### vănEE 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 vănEE 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 vănEE.

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 vănEE 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 vănEE 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).

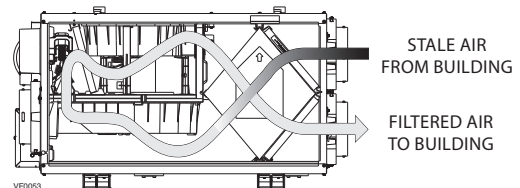
### Options

- 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

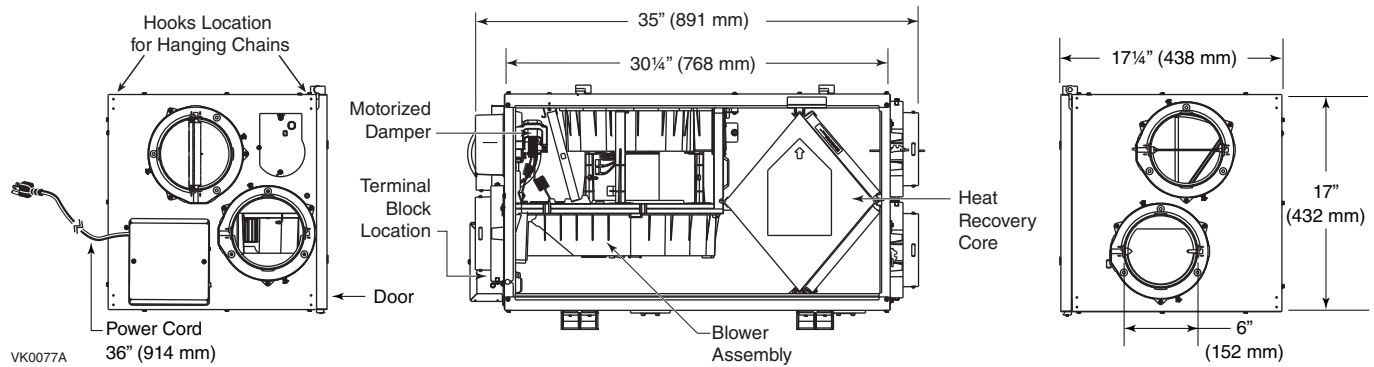
Type: Crossflow core

Warranty: Limited lifetime

### Requirements and standards

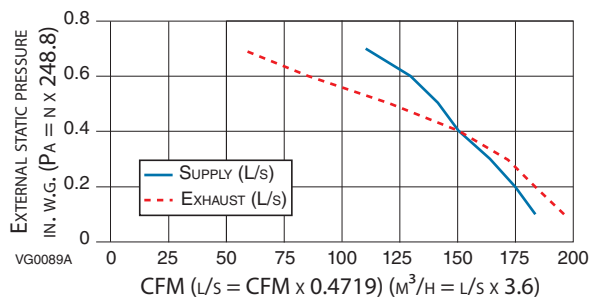
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 no. 113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Heat Recovery Ventilators
- Technical data was obtained from 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 |     |                   |         |     |                   |
|--------------------------|----------|---------------------|-----|-------------------|----------------|-----|-------------------|---------|-----|-------------------|
|                          |          |                     |     |                   | SUPPLY         |     |                   | EXHAUST |     |                   |
| PA                       | IN. W.G. | L/S                 | CFM | M <sup>3</sup> /H | 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                |

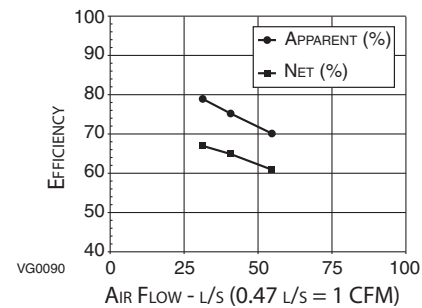


## ENERGY PERFORMANCE

| SUPPLY<br>TEMP. |     | NET AIR FLOW |     |                   | POWER<br>CONSUMED<br>WATTS | SENSIBLE<br>RECOVERY<br>EFFICIENCY | ADJUSTED<br>SENSIBLE<br>RECOVERY<br>EFFICIENCY | APPARENT<br>SENSIBLE<br>EFFECTIVENESS* | LATENT<br>RECOVERY<br>MOISTURE<br>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:              |         |



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

www.vanee.ca

100Hd20\_04