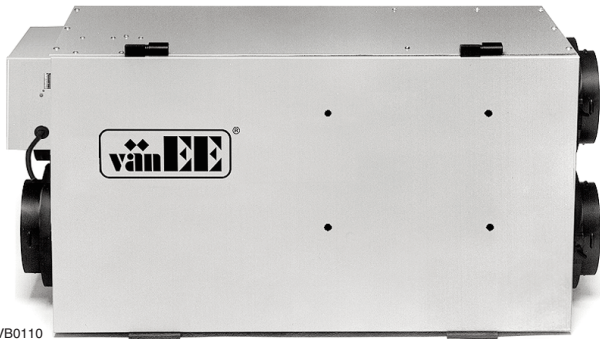




Bronze Series

vänEE 190H Part #1601608

128 to 208 CFM (0.3 in. w.g.)
117 to 189 CFM (0.4 in. w.g.)



VB0110

BRONZE SERIES: PERFECT FOR NEW RESIDENTIAL CONSTRUCTION.

Affordability is a priority for the homebuilder who wants to offer a healthy environment. The vänEE Bronze Series is an entry level product that offers all the basics features for the new construction market, such as a small-sized cabinet, integrated balancing damper and a no negative pressure defrost that ensures quick installation and trouble-free operation. Moreover, its operation can be interlocked with an existing furnace without adding an extra relay. Best price for builders and contractors requiring simple, affordable and reliable products.

- **A minimum of vital parts per unit:** Motor, damper and electronic circuit board
- **New removable terminal block:** To ease optional wall controls connection
- **Microprocessors:** A proven technology known for its reliability which allows the elimination of numerous electromechanical parts that are most likely to break down

REPAIRS AND MAINTENANCE

All parts of the vänEE 190H that could need maintenance can be removed in less than 5 minutes, allowing direct access for easy repairs. The PSC motor is permanently lubricated.

WARRANTY

The vänEE 190H HRV is protected by a 2-year warranty on parts only. The heat recovery core is covered by a limited lifetime warranty.

Available at:

HEAT RECOVERY VENTILATOR

Controls

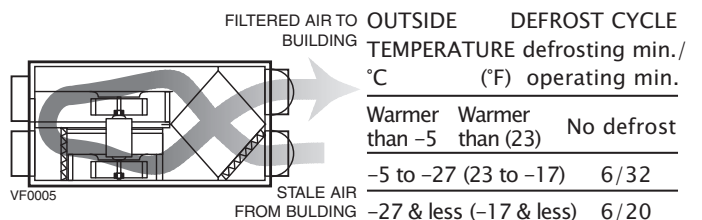
- This unit is very simple to operate: once it is installed, press on its push button, located on the electrical compartment, to activate it. Press once for low speed, once again for high speed and once more to stop it.
- For more convenience, the following main controls are available:
 - LITE-TOUCH BRONZE #40270
 - BRONZE #40250
- One or more of the following optional controls can be added:
 - Humidity Control #200694
 - 60-min. mechanical timer #00910
 - 20-min. lighted push button #1806110

Options

- Complete line of registers and diffusers
- Electric duct heater

Homeshield™ Defrosting System

The Bronze Series uses a unique defrosting method. No negative pressure is created by air exhausted to the outside, as the air is recirculated into the house, thus avoiding any backdraft from the chimney. Moreover, this defrosting method by air circulation ensures that no shortage of air is created for combustion units.



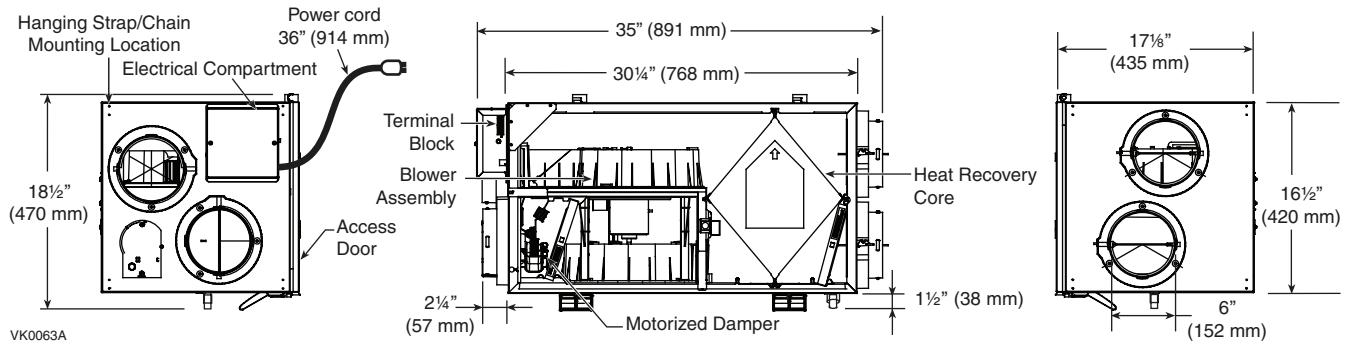
Heat Recovery Core

Dimensions: 12" x 14" x 15 1/2" (30.5 cm x 35.5 cm x 39.4 cm)
 Exchange surface: 102 ft² (9.54 m²)
 Weight: 6.2 lb (2.8 kg)
 Material: Polypropylene
 Type: Crossflow core
 Warranty: Limited lifetime

Requirements and Standards

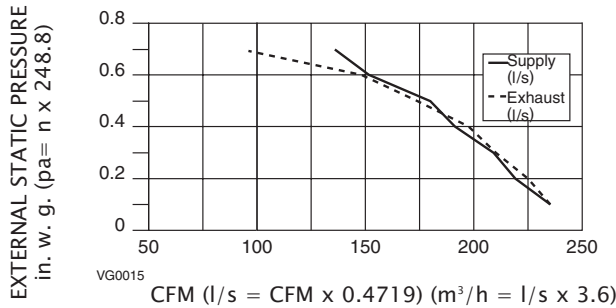
- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 #113 Standard applicable to ventilators
- Complies with CSA F326 requirements regulating the installation of Energy Recovery Ventilators
- HVI certified
- Technical data was obtained from published results of tests relating to CSA C439 Standards

Dimensions and Service Clearances: vänEE 190H



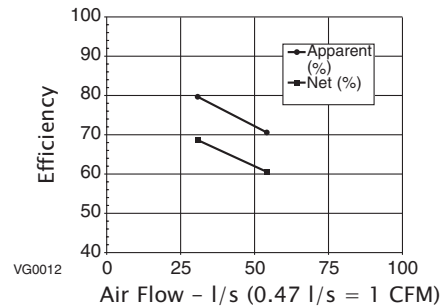
Ventilation Performance

| EXT STATIC PRESSURE | NET SUPPLY AIR FLOW | GROSS AIR FLOW | | | | | | | | |
|---------------------|---------------------|----------------|-----|-------------------|---------|-----|-------------------|---------|-----|-------------------|
| | | SUPPLY | | | EXHAUST | | | EXHAUST | | |
| Pa | inwg | l/s | cfm | m ³ /h | l/s | cfm | m ³ /h | l/s | cfm | m ³ /h |
| 25 | .1 | 110 | 234 | 396 | 112 | 237 | 403 | 112 | 237 | 403 |
| 50 | .2 | 103 | 219 | 374 | 105 | 223 | 378 | 106 | 225 | 382 |
| 75 | .3 | 98 | 208 | 353 | 100 | 211 | 360 | 99 | 210 | 356 |
| 100 | .4 | 89 | 189 | 320 | 91 | 192 | 328 | 91 | 193 | 328 |
| 125 | .5 | 84 | 177 | 302 | 85 | 180 | 306 | 82 | 174 | 295 |
| 150 | .6 | 71 | 151 | 256 | 72 | 153 | 259 | 70 | 149 | 256 |
| 175 | .7 | 64 | 136 | 231 | 65 | 138 | 234 | 44 | 94 | 160 |



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 ³ /h | WATTS | EFFICIENCY | EFFECTIVENESS | TRANSFER |
| HEATING | | | | | |
| 0 +32 | 31 66 112 | 85 | 69 | 81 | -0.01 |
| 0 +32 | 56 119 202 | 124 | 60 | 70 | -0.01 |
| 0 +32 | -- -- -- | -- | -- | -- | -- |
| -25 -13 | 37 78 133 | 114 | 62 | 80 | 0.08 |
| -25 -13 | -- -- -- | -- | -- | -- | -- |
| COOLING | | | | | |
| +35 +95 | -- -- -- | -- | TOTAL RECOVERY EFFICIENCY | | |
| +35 +95 | -- -- -- | -- | Not tested | | |



NOTE: All specifications are subjected to change without notice.

Specifications and Ratings

- Model: vänEE 190H
- Part Number: #1601608
- Total Assembled Weight: (Including polypropylene core) 67 lb (30.5 kg)
- Supply and Exhaust Air Duct Connections: 6" (15.24 cm) diameter
- Drains: ½" (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 x 18 x 1.9 cm)
- Cabinet: pre-painted steel
- Insulation: 1" (2.54 cm) aluminum foil faced fiberglass 0.825" (2.10 cm) expanded polystyrene
- Mounting: suspension by chains and springs
- Supply & Exhaust Blower Motor: 1 motor
 - Protection type: Thermally protected
 - Insulation class: B
 - V (motor marking): 120 V ac, 60 Hz, 1.7 A, 1040/1300/1630 RPM
- 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: 102 ft² (9.54 m²)
 - Type: Crossflow
 - Material: Polypropylene
- Unit Electrical Characteristics:

| | | | |
|-------|-------|------|-------|
| Volts | Freq. | Amps | Watts |
| 120 | 60 Hz | 2.1 | 240 |

| | | | |
|---------------|----------|----------|-------------|
| Submitted by: | | Date: | Project: |
| Qty: | Model #: | Remarks: | Location: |
| | | | Architect: |
| | | | Engineer: |
| | | | Contractor: |



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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