



BROAN HRV190

Part no. HRV190S

82 to 192 CFM (0.4 in. w.g.)



VB0266

HRV190: PERFECT FOR NEW RESIDENTIAL CONSTRUCTION

Contractors and builders need cost-effective, reliable and code-compliant mechanical ventilation systems for new home construction. The Broan HRV190 offers superior value at an entry-level price. The HRV190 represents over 15 years of continuous improvement to deliver contractors the durability and reliability they have come to expect from Broan.

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
- ENERGY STAR® qualified
- Compatible with the VT7W digital wall control

REPAIRS AND MAINTENANCE

All parts of the HRV190 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 HRV190 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. Once it is installed, press on its push button, located on the bottom of the unit, 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.broan.com.
- For more details about controls, refer to the **Main and auxiliary wall controls** user guide, also available at www.broan.com.

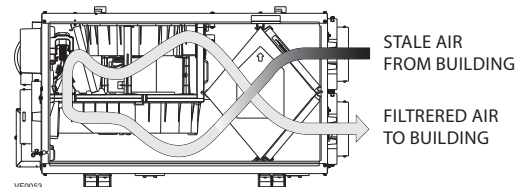
Options

- Complete line of registers and diffusers

Defrosting System

The HRV190 uses an efficient defrosting method. No negative pressure is created by air exhausted to the outdoors, as the air is recirculated into the house, helping to prevent any backdraft.

| OUTDOOR TEMPERATURE | | DEFROST CYCLE (MINUTES) |
|---------------------|----------------|-------------------------|
| °C | °F | DEFROST / OPERATION |
| WARMER THAN -5 | WARMER THAN 23 | NO DEFROST |
| -5 TO -15 | 23 TO 5 | 6 / 50 |
| -15 TO -27 | 5 TO -17 | 6 / 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 ft² (9.54 m²)

Weight: 6.2 lb. (2.8 kg)

Material: Polypropylene

Type: Crossflow core

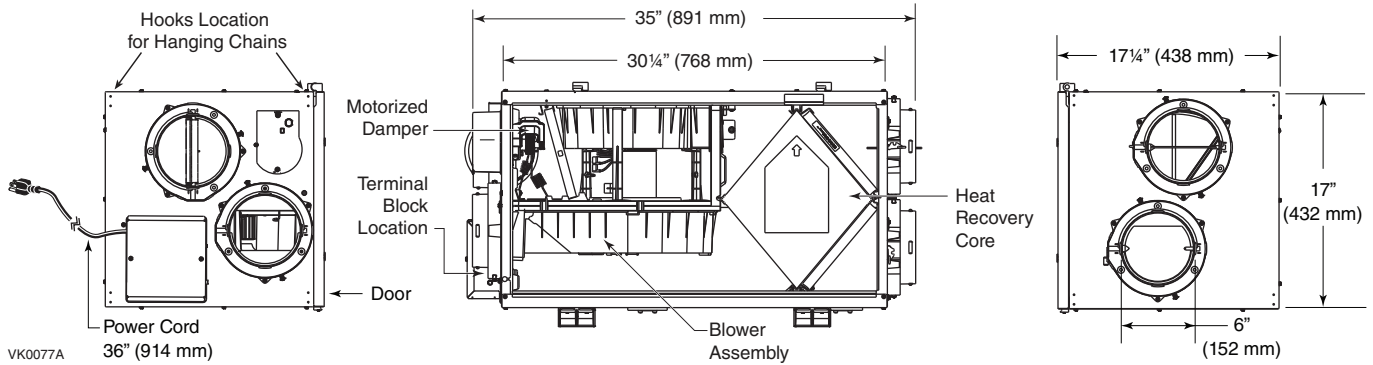
Warranty: Limited Lifetime

Requirements and Standards

- Complies with the UL 1812 requirements regulating the installation of Heat Recovery Ventilators
- Complies with the CSA C22.2 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 and ENERGY STAR® qualified

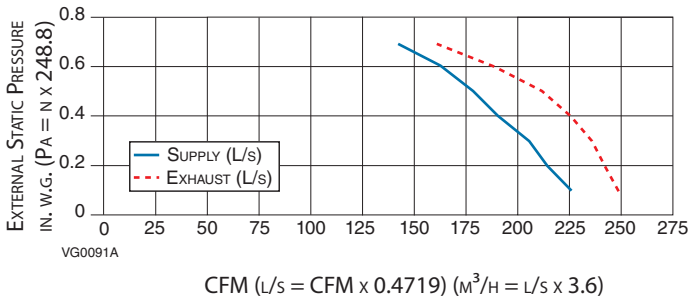
This product earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. It meets ENERGY STAR requirements only when used in Canada.

DIMENSIONS: HRV190



VENTILATION PERFORMANCE

| EXTERNAL STATIC PRESSURE | | NET SUPPLY AIR FLOW | | GROSS AIR FLOW | | | | | | |
|--------------------------|----------|---------------------|-----|-------------------|-----|-----|-------------------|-----|-----|-------------------|
| | | | | SUPPLY | | | EXHAUST | | | |
| PA | IN. W.G. | L/S | CFM | M ³ /H | L/S | CFM | M ³ /H | L/S | CFM | M ³ /H |
| 25 | 0.1 | 106 | 225 | 382 | 107 | 227 | 386 | 118 | 249 | 423 |
| 50 | 0.2 | 102 | 216 | 365 | 102 | 216 | 367 | 115 | 243 | 413 |
| 75 | 0.3 | 96 | 203 | 347 | 97 | 205 | 348 | 111 | 235 | 399 |
| 100 | 0.4 | 90 | 191 | 326 | 91 | 193 | 328 | 107 | 226 | 384 |
| 125 | 0.5 | 83 | 176 | 301 | 84 | 179 | 304 | 100 | 211 | 358 |
| 150 | 0.6 | 76 | 161 | 274 | 76 | 162 | 275 | 89 | 189 | 321 |
| 175 | 0.7 | 67 | 142 | 241 | 67 | 143 | 243 | 75 | 159 | 270 |

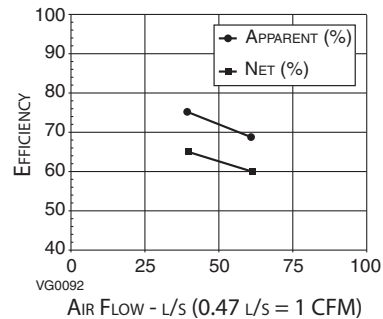


ENERGY PERFORMANCE

| SUPPLY TEMPERATURE | | 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 ³ /H | | | | | |
| HEATING | | | | | | | | | |
| 0 | 32 | 39 | 83 | 139 | 71 | 65 | 70 | 75 | 0.0 |
| 0 | 32 | 61 | 129 | 221 | 129 | 60 | 67 | 69 | 0.0 |
| -25 | -13 | 40 | 85 | 143 | 114 | 60 | 65 | 76 | 0.0 |

*Data not certified by HVI.

NOTE: All specifications are subject to change without notice.



SPECIFICATIONS AND RATINGS

- Model: HRV190
- Part Number: HRV190S
- 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
- 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 and High speeds. Other modes available with optional main wall controls.
- Heat Recovery Core:
 - Heat Exchange Surface Area: 102 ft.² (9.54 m²)
 - Type: Crossflow
 - Material: Polypropylene
- Unit Electrical Characteristics: 120 volts, 60 Hz, 2.1 amps, 195 watts

| Project: | REMARKS |
|----------------------|---------|
| Location: | |
| Part Number: HRV190S | |
| Quantity: | |
| Submitted by: | Date: |



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www.broan.com

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