

INSTALLER MANUAL



VB0234

**HRV150FL
(PART HRV150FLS)
HRV190FL
(PART HRV190FLS)**

RESIDENTIAL USE ONLY

READ AND SAVE THESE INSTRUCTIONS

BROAN®



These products earned the ENERGY STAR® by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. They meet ENERGY STAR requirements only when used in Canada.

23129 REV. 02

ABOUT THIS MANUAL

Because of the large amount of models covered by this publication, the illustrations are typical ones. Some details of your unit may be slightly different than the ones shown.

Please take note that this manual uses the following symbols to emphasize particular information:

⚠ WARNING

Identifies an instruction which, if not followed, might cause serious personal injuries including possibility of death.

CAUTION

Denotes an instruction which, if not followed, may severely damage the unit and/or its components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

We welcome any suggestions you may have concerning this manual and/or the unit, and we would appreciate hearing your comments on ways to better serve you. Please contact us by phone at 1-800-543-3055.

ABOUT THESE UNITS

LIMITATION

For residential (domestic) installation only. Installation work and electrical wiring must be done by a qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction codes and standards.

⚠ WARNING

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSON(S) OBSERVE THE FOLLOWING:

1. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer at the address or telephone number listed in the warranty.
2. Before servicing or cleaning this unit, disconnect power cord from electrical outlet.
3. This unit is not designed to provide combustion and/or dilution air for fuel-burning appliances.
4. When cutting or drilling into the wall or ceiling, do not damage electrical wiring and other hidden utilities.
5. Do not use this unit with any solid-state speed control device other than following:

| Units | Optional Main Controls | Optional Auxiliary Controls |
|----------|----------------------------|----------------------------------|
| HRV150FL | VT4W, VT6W, VT7W, AND VT8W | VB60W PUSH BUTTON, VB20W AND 59W |
| HRV190FL | VT4W, VT6W, VT7W, AND VT8W | VB60W PUSH BUTTON, VB20W AND 59W |

6. This unit must be grounded. The power supply cord has a 3-prong grounding plug for your personal safety. It must be plugged into a mating 3-prong grounding receptacle, grounded in accordance with the national electrical code and local codes and ordinances. Do not remove the ground prong. Do not use an extension cord.
7. Do not install in a cooking area or connect directly to any appliances.
8. Do not use to exhaust hazardous or explosive materials and vapors.
9. When performing installation, servicing or cleaning this unit, it is recommended to wear safety glasses and gloves.
10. Due to the weight of the unit, two installers are recommended to perform installation.
11. When applicable local regulation comprise more restrictive installation and/or certification requirements, the aforementioned requirements prevail on those of this document and the installer agrees to conform to these at his own expenses.

CAUTION

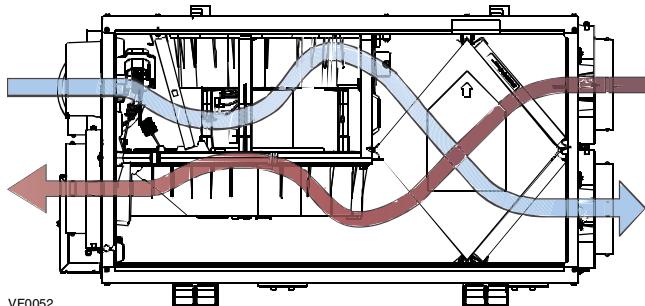
1. To avoid prematurely clogged filters, turn the unit OFF during construction or renovation.
2. Please read specification label on product for further information and requirements.
3. Be sure to duct air outside – Do not intake/exhaust air into spaces within walls or ceiling or into attics, crawl spaces, or garage.
4. Intended for residential installation only in accordance with the requirements of NFPA 90B (for a unit installed in U.S.A.) or Part 9 of the National Building Code of Canada (for a unit installed in Canada).
5. Do not run any air ducts directly above or within 2 ft (0.61 m) of a furnace or its supply plenum, boiler, or other heat producing appliance. If a duct has to be connected to the furnace return plenum, it must be connected 10' (3.1 m) away from plenum's connection to the furnace.
6. The ductwork is intended to be installed in compliance with all applicable local and national codes.
7. When leaving the house for a long period of time (more than two weeks), a responsible person should regularly check if the unit operates adequately.
8. If the ductwork passes through an unconditioned space (e.g.: attic), the unit must operate continuously except when performing maintenance and/or repair. Also, the ambient temperature of the house should never drop below 18°C (65°F).

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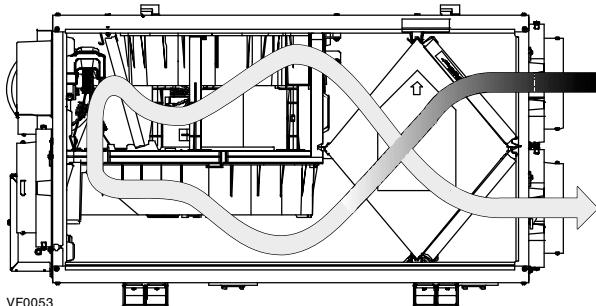
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1. TECHNICAL DATA

1.1 AIR DISTRIBUTION (NORMAL OPERATION)



1.2 AIR DISTRIBUTION (DEFROST MODE)



1.3 DEFROST CYCLES TABLES

HRV150FLS UNITS

| OUTSIDE TEMPERATURE | | DEFROST CYCLES (MINUTES) | | EXTENDED DEFROST CYCLES | |
|---------------------|-----------------|--------------------------|--|-------------------------|--|
| CELCIUS (°C) | FAHRENHEIT (°F) | DEFROSTING | OPERATION TIME BETWEEN EACH DEFROST CYCLES | DEFROSTING | OPERATION TIME BETWEEN EACH DEFROST CYCLES |
| -5 | 23 | 7 | 50 | 10 | 30 |
| -15 | 5 | 7 | 25 | 10 | 20 |
| -27 | -17 | 10 | 20 | 10 | 15 |

HRV190FLS UNITS

| OUTSIDE TEMPERATURE | | DEFROST CYCLES (MINUTES) | | EXTENDED DEFROST CYCLES | |
|---------------------|-----------------|--------------------------|--|-------------------------|--|
| CELCIUS (°C) | FAHRENHEIT (°F) | DEFROSTING | OPERATION TIME BETWEEN EACH DEFROST CYCLES | DEFROSTING | OPERATION TIME BETWEEN EACH DEFROST CYCLES |
| -5 | 23 | 6 | 50 | 10 | 30 |
| -15 | 5 | 6 | 25 | 10 | 20 |
| -27 | -17 | 10 | 20 | 10 | 15 |

NOTE: The Performance Charts are listed on the specification sheets of these units. Find them at www.broan.com.