

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

The cross-flow heat recovery core transfers heat between the two airstreams. It is easily removed for cleaning or service.

MOTORS AND BLOWERS

Each air stream has an independent motorized impeller. 2 speed fan operation.

FILTERS

Washable air filters in exhaust and supply air streams.

MOUNTING THE HRV

Four threaded inserts at corners of case designed to accept four reinforced polyester straps that are supplied with the unit.

DEFROST

Recirculating damper defrost system.

CASE

Twenty gauge prepainted galvanized steel (G60) for superior corrosion resistance. Insulated to prevent exterior condensation. Drain connections- 1/2" (12 mm) OD.

WEIGHT 42 lbs. (19 kg.) **SHIPPING WEIGHT** 45 lbs. (20.5 kg.)

RNC SERIES ELECTRONICS

- Built-in Relay for Interfacing to furnace
- A standard ON/OFF switch can be added to provide Low/High Ventilation or ON/OFF functionality in order to meet building standards.
- Optional controls can be installed at the time of the installation or at a later date to upgrade the basic features of the ventilation system.

OPTIONAL CONTROLS

99-DX-01 Lifestyle RNC Digital Control

- 2 Speed Operation on each mode • 4 user selectable operational modes: Continuous Ventilation, 20 ON/40 OFF, 20 ON/40 Recirculation, Continuous Recirculation
- Adjustable Dehumidistat function built into the main wall control
- Connect to 3 wire 20 gauge low voltage wire.

99-BC-01 Lifestyle RNC Ventilation Control

- 2 Speed Fan setting (Low/High) • Dehumidistat
- Connect to 3 wire 20 gauge low voltage wire.

OPTIONAL TIMERS

99-DET01 Lifestyle 20/40/60 Minute Timer - Initiates high speed ventilation for 20, 40, or 60 minutes, (3 wire) 20 gauge wire (min.) 100' length

99-20M01 Lifestyle 20 Minute Timer - Initiates high speed ventilation for 20 minutes, (3 wire) 20 gauge wire (min.) 100' length.

99-101 Mechanical Timer - Initiates High speed ventilation for up to 60 minutes, (2 wire) 20 gauge wire (min.) 100' length

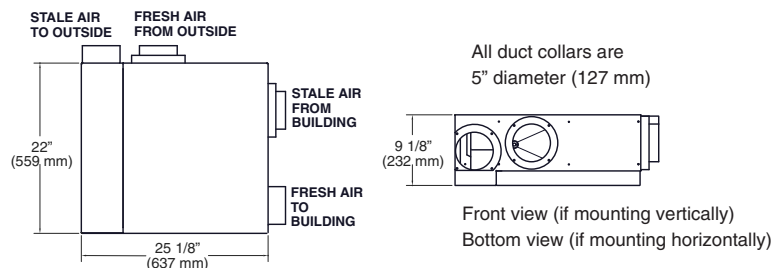
OPTIONAL ACCESSORIES

99-DH-01 Lifestyle Dehumidistat - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (min.) 100' length

99-163 Duct Heater w/ Electronic SCR Thermostat, 1 Kw, 6" (150 mm)

99-185 Weatherhoods, Two - 5" (125 mm) c/w 1/4" (6 mm) mesh screen

Dimensions RNC120D inches (mm)



Performance (HVI certified)

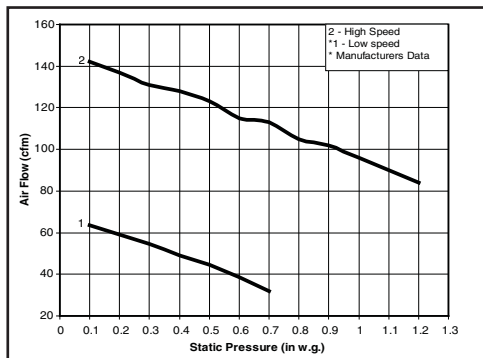
Net supply air flow in cfm (L/s) against external static pressure

E.S.P. (external static pressure)	[cfm (L/s)]
@ 0.1" (25 Pa)	142 (67)
@ 0.2" (50 Pa)	137 (64)
@ 0.3" (75 Pa)	131 (62)
@ 0.4" (100 Pa)	128 (60)
@ 0.5" (125 Pa)	123 (58)
@ 0.6" (150 Pa)	115 (54)
@ 0.7" (175 Pa)	113 (53)
@ 0.8" (200 Pa)	105 (49)
@ 0.9" (225 Pa)	102 (48)
@ 1.0" (250 Pa)	96 (45)

Max. Temperature Recovery	72%
Sensible Effectiveness	
@ 70 cfm (33 L/s) 32°F (0°C)	68%
*Sensible Efficiency	
@ 70 cfm (33 L/s) 32°F (0°C)	59%
*Sensible Efficiency	
@ 67 cfm (32 L/s) -13°F (-25°C)	56%
VAC @ 60HZ	120
WATTS / Low speed.	70
WATTS / High speed	160
Amp rating	1.5

*Sensible Efficiency - thermal **Latent Efficiency - moisture

Note: Effectiveness - based on temp. differential between the 2 airstreams
Efficiency - takes into account all power inputs



All units conform to CSA and UL standards

WARRANTY

Units carry a lifetime warranty on the heat recovery core and a 5 year replacement parts warranty.

Date: _____

Tag: _____ Qty: _____

Project: _____

Engineer: _____

Contractor: _____

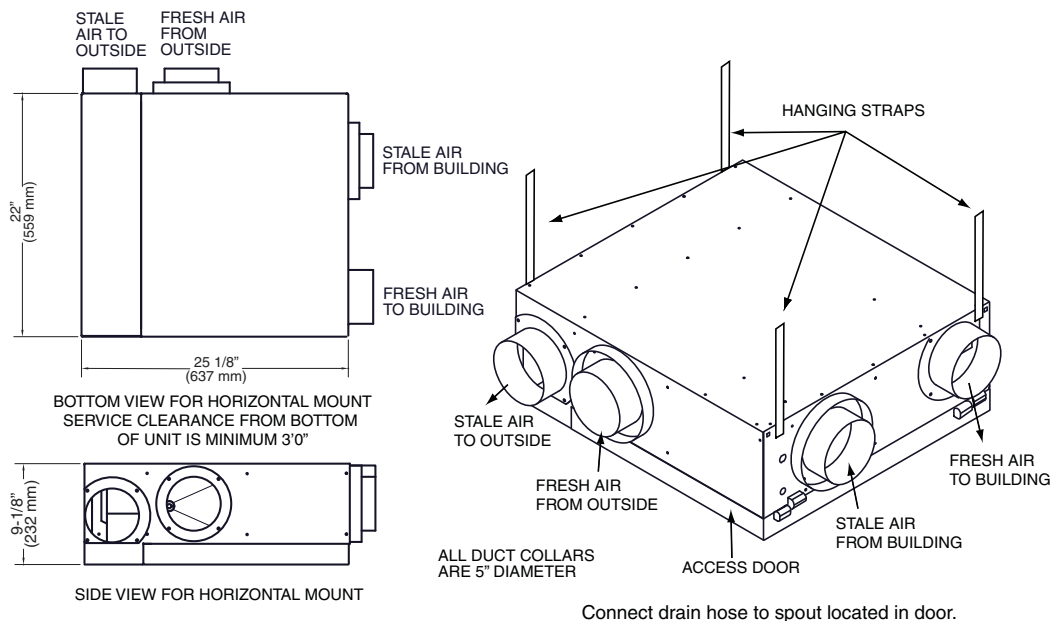
Supplier: _____

Quote#: _____

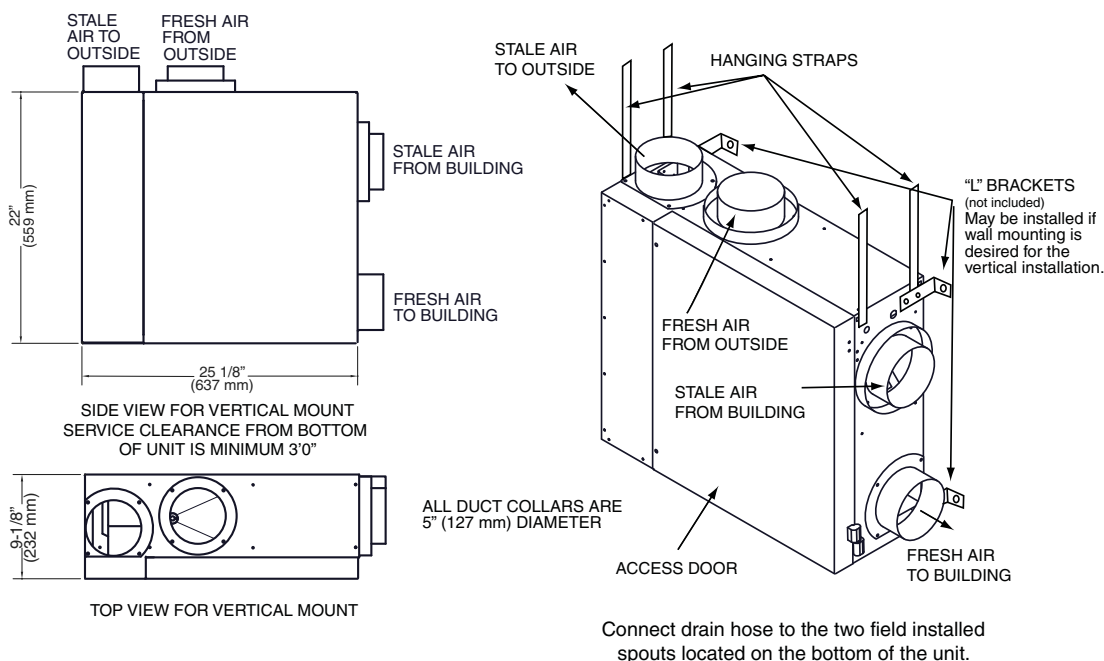
Submitted by: _____



Option 1 - Horizontal Duct Configuration Dimensions inches



Option 2 - Vertical Duct Configuration Dimensions inches



The HRV can be installed horizontally or vertically as illustrated on the following pages. The unit should be suspended using the provided hanging straps. **The unit must be level for proper condensate drainage.**

Sufficient clearance below the access door is required for servicing the air filters and core. A minimum of 25" (635mm) clearance is recommended so the door can be removed. Four PVC reinforced polyester hanging straps are provided for hanging the HRV.