

ENGINEERING DATA

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

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

MOTORS AND BLOWERS

Each airstream has one centrifugal blower driven by a common PSC motor with multiple fan speed operations.

FILTERS

Washable air filters in exhaust and supply airstreams.

MOUNTING THE HRV

Threaded inserts at corners of the cabinet designed to accept the "S" hooks and hanging straps supplied with the unit.

DEFROST

Recirculating damper defrost syeytem.

CASE

20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation. Drain connections: Two 1/2 in (12 mm) OD. Balancing ports are located on unit.

INSTALLER SELECTABLE HIGH SPEED SETTINGS

Adjustable DIP switches are located on the circuit board, Hi3 is the factory setting. Refer to the installation manual for the adjustment instructions.

ELECTRONICS

The optional controls can be wall mounted in a centrtral location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

OPTIONAL CONTROLS

99-BC01 Lifestyle RNC Ventilation Control

- 2 speed fan setting (low/high)
- Adjustable dehumidistat function built into main wall control
- Built in relay for interlockingto furnace

99-DX01 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
- 3 wire connection

OPTIONAL TIMERS

99-DET01 Lifestyle 20/40/60 Minute Timer - Initiates high speed ventilation for 20, 40, or 60 minutes, 3 wire connection.

99-20M01 Lifestyle 20 Minute Timer - Initiates high speed ventilation for 20 minutes, 3 wire connection.

99-101 Mechanical Timer - Initiates high speed ventilation for up to 60 minutes, 2 wire connection.

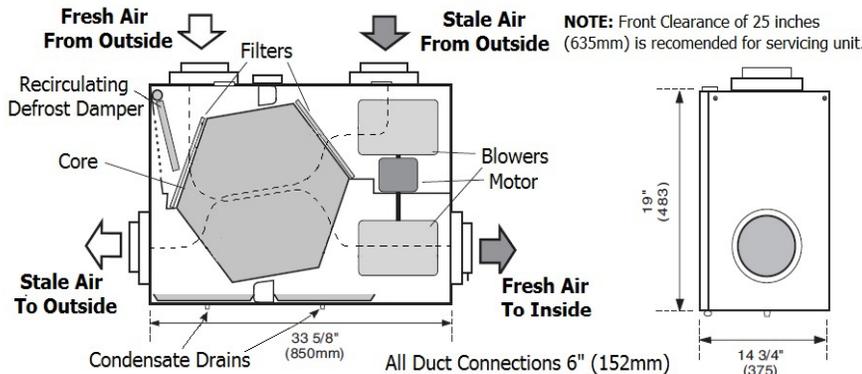
OPTIONAL ACCESSORIES

99-163 Duct Heater w/Electronic SCR Thermostat - 1 kW, 6 in (152 mm)

99-186 Weatherhoods - Two 6 in (152 mm)

WEIGHT 71 lbs (32.5 kg) **SHIPPING WEIGHT** 73 lbs (33.5 kg)

DIMENSIONS RNC155

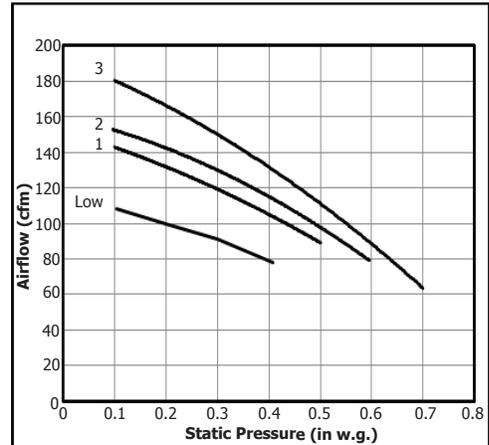


Performance (HVI certified)	
Net supply airflow in cfm (L/s) against external static pressure	
External Static Pressure	Airflow
@ 0.1 in (25 Pa)	184 cfm (87 L/s)
@ 0.2 in (50 Pa)	163 cfm (77 L/s)
@ 0.3 in (75 Pa)	146 cfm (69 L/s)
@ 0.4 in (100 Pa)	132 cfm (62 L/s)
@ 0.5 in (125 Pa)	115 cfm (54 L/s)
@ 0.6 in (150 Pa)	92 cfm (43 L/s)
@ 0.7 in (175 Pa)	60 cfm (28 L/s)
Max. Temperature Recovery	86%
Sensible Effectiveness	
@ 59 cfm (28 L/s) 32°F (0°C)	84%
Sensible Efficiency	
@ 59 cfm (28 L/s) 32°F (0°C)	75%
Sensible Efficiency	
@ 64 cfm (30 L/s) -13°F (-25°C)	72%
VAC @ 60Hz	120
Watts / Low speed	66
Watts / High speed	118
Amp rating	1.4

Sensible Efficiency: Thermal

Effectiveness: Based on temperature differential between the 2 airstreams

Efficiency: Takes into account all power inputs



WARRANTY

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

All units conform to CSA and UL standards

Date: _____

Tag: _____ Qty: _____

Project: _____

Engineer: _____

Contractor: _____

Supplier: _____

Quote #: _____

Submitted By: _____