

## 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 system.

### 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 central location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

### CONTROL OPTIONS

#### 99-DXPL02 Lifebreath Digital Control

- 5 speed operation on each mode
- Humidity control through adjustable Dehumidistat
- 5 user selectable operational modes: Continuous Ventilation, Continuous Recirculation, 20 ON/40 OFF, 10 ON/50 OFF, 20 ON/40 Recirculation
- 20/40/60 min. High speed override button
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-BC02 Lifebreath Ventilation Control

- 2 speed fan setting (Low/High)
- Humidity control through adjustable Dehumidistat
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-BC03 Lifebreath Ventilation Control

- Continuous Low fan speed
- Humidity control through adjustable Dehumidistat
- 3 modes of operation: Ventilation, Recirculation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-BC04 Lifebreath Ventilation Control

- 2 speed fan setting (Low/High)
- 2 modes of operation: Ventilation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

#### 99-DH01 Lifebreath Dehumidistat

- Humidity control through adjustable Dehumidistat
- 3 wire connection

### TIMER OPTIONS

**99-DET01 Lifebreath 20/40/60 Minute Timer** - Initiates High speed Ventilation for 20, 40 or 60 minutes. 3 wire connection.

**99-DET02 Lifebreath WIRELESS 20/40/60 Minute Timer** - Initiates High speed Ventilation for 20, 40 or 60 minutes. Wirelessly connects to main control for ease of installation. 40' approximate range.

**99-RX02 Lifebreath WIRELESS Repeater** - Used to extend range of 99-DET02 Wireless Timers. Plugs into 120V power outlet. Wirelessly connects to main control and 99-DET02. Install at halfway point between timer and main wall control if timer is out of range.

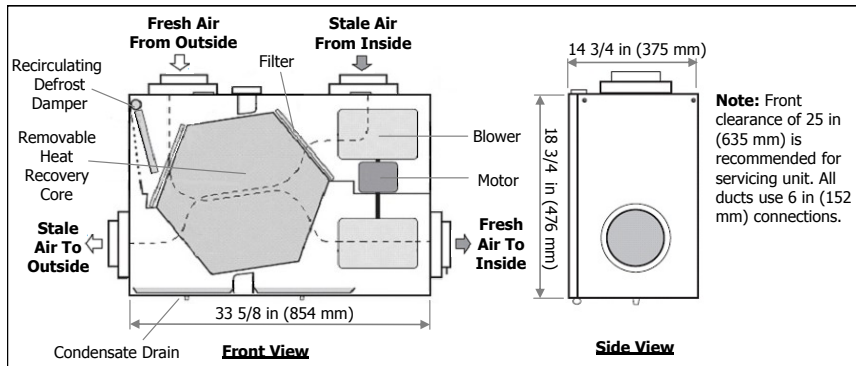
### ACCESSORY OPTIONS

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

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

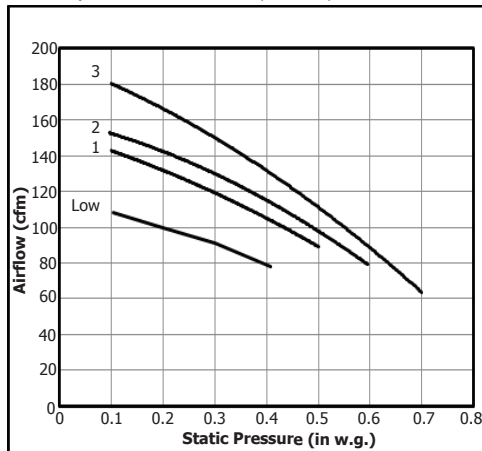
### DIMENSIONS RNC155

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



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 (ASE)	
@ 59 cfm (28 L/s) 32°F (0°C)	84%
Sensible Efficiency (SRE)	
@ 64 cfm (30 L/s) 32°F (0°C)	75%
Sensible Efficiency (SRE)	
@ 64 cfm (30 L/s) -13°F (-25°C)	71%
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.

NOTE: All specifications are subject to change without notice.

All units conform to CSA and UL standards



Date: \_\_\_\_\_  
 Tag: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Project: \_\_\_\_\_  
 Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_  
 Supplier: \_\_\_\_\_  
 Quote #: \_\_\_\_\_  
 Submitted By: \_\_\_\_\_