

## ENGINEERING DATA

### 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 one centrifugal blower driven by a common PSC motor. 5 speed fan operation.

### FILTERS

Washable air filters in exhaust and supply air streams.

### MOUNTING THE HRV

Four 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

Twenty gauge prepainted galvanized steel (G60) for superior corrosion resistance.

Insulated to prevent exterior condensation. Drain connections 2 - 1/2" (12 mm) OD.

Balancing ports are located in the door.

### 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.

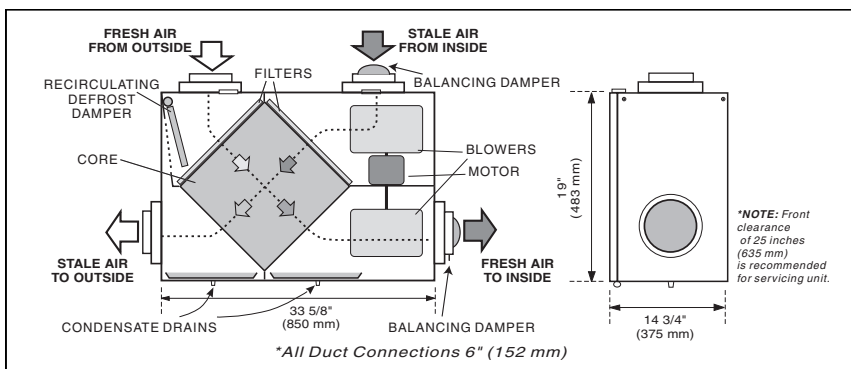
### ACCESSORY OPTIONS

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

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

### DIMENSIONS RNC200

**WEIGHT** 71 lbs (32.5 kg) **SHIPPING WEIGHT** 73 lbs (33.2 kg)



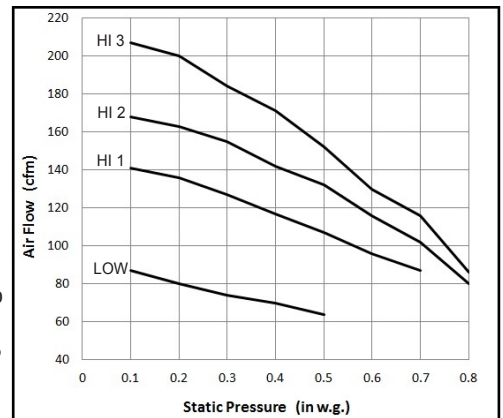
## Performance (HVI certified)

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)	207 (97)
@ 0.2" (50 Pa)	200 (94)
@ 0.3" (75 Pa)	184 (87)
@ 0.4" (100 Pa)	171 (80)
@ 0.5" (125 Pa)	152 (71)
@ 0.6" (150 Pa)	130 (61)
@ 0.7" (175 Pa)	116 (55)
@ 0.8" (200 Pa)	86 (40)

Max. Temperature Recovery	74%
Sensible Effectiveness	
@ 66 cfm (31 L/s) 32°F (0°C)	74%
*Sensible Efficiency	
@ 66 cfm (31 L/s) 32°F (0°C)	64%
*Sensible Efficiency	
@ 109 cfm (51 L/s) -13°F (-25°C)	62%
VAC @ 60HZ	120
WATTS / Low speed.	87
WATTS / High speed	164
Amp rating	1.4

\*Sensible Efficiency - thermal \*\*Latent Efficiency - moisture  
 Note: Effectiveness - based on temp. 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: \_\_\_\_\_

Contractor: \_\_\_\_\_

Tag: \_\_\_\_\_ Qty: \_\_\_\_\_

Supplier: \_\_\_\_\_

Project: \_\_\_\_\_

Quote #: \_\_\_\_\_

Engineer: \_\_\_\_\_

Submitted By: \_\_\_\_\_