

### 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. 2 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.

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

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

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

### 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 (max).

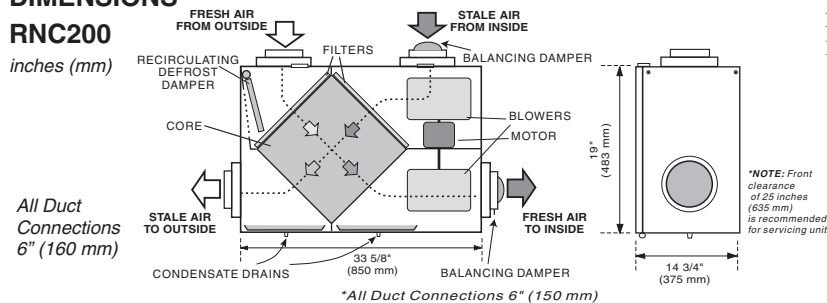
**99-163 Duct Heater w/ Electronic SCR Thermostat, 1 Kw, 6" (150 mm)**

**99-186 Weatherhoods, Two - 6" (150 mm) c/w 1/4" (6 mm) mesh screen**

### DIMENSIONS

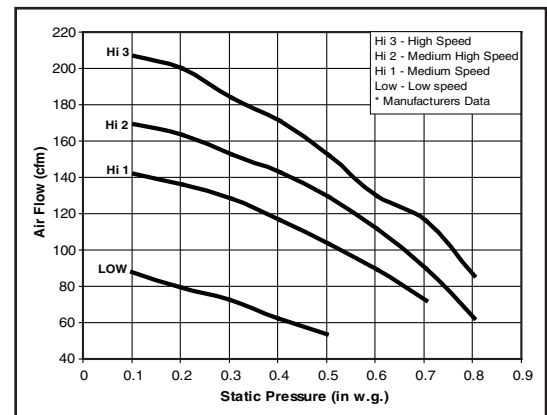
#### RNC200

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)	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



### INSTALLER SELECTABLE HIGH SPEED SETTINGS

Adjustable DIP switches are located on the circuit board.

Hi3 is the factory setting. Refer to the Operation and Installation manual for the adjustment instructions.



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: \_\_\_\_\_



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