

## Quality, Reliability & Versatility NOW BETTER!



- New Compact size fits 24" spaces, with a full size heat recovery core
- All 4 ports have self-locking dampers for adjustable airflow
- 3 selectable high speed settings accommodates multiple ventilation rates
- Installer-friendly features:
  - Door Port Balancing
  - Light Weight
  - No side access required
- Available in fan defrost or damper defrost

Setting a new standard  
for energy efficient, clean air homes



Visit us at [www.lifebreath.com](http://www.lifebreath.com)

## 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 an independent motorized impeller. Multiple high speed fan operation.

### FILTERS

Washable air filters in exhaust and supply air streams.

### DEFROST

**RNC5-TPD** Recirculating damper defrost system.

**RNC5-TPF** Supply air motor switches off and exhaust motor switches to high speed to defrost core.

### CASE

Twenty gauge painted galvanized steel for superior corrosion resistance. Insulated to prevent exterior condensation.

**RNC5-TPD** Drain connection 1/2" (12mm) OD.

**RNC5-TPF** Drain connection 1/2" (12mm) OD. Balancing ports are located in the door.

### MOUNTING THE HRV

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

### 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.

### 99-BC-01 Lifestyle RNC Ventilation Control - Included with unit

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

### 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.

### 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

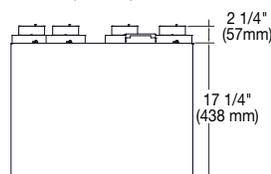
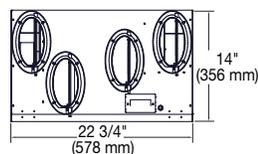
**99-DH-01** Lifestyle Dehumidistat - Initiates high speed ventilation when the indoor humidity level is above the set point. (3 wire) 20 gauge wire (min.) 100' length

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

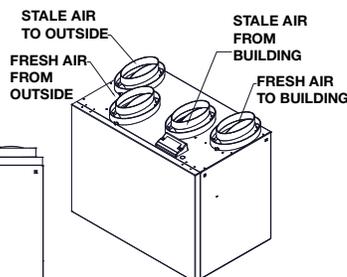
**99-185** Weatherhoods, Two - 5" (125 mm) c/w 1/4" (6 mm) mesh screen

**WEIGHT:** 43 lbs (19.5 kg)

**DIMENSIONS:** inches (mm)



All duct connections are elliptical collars for use with 5" (125mm) duct work



### 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.

## Performance (HVI certified)

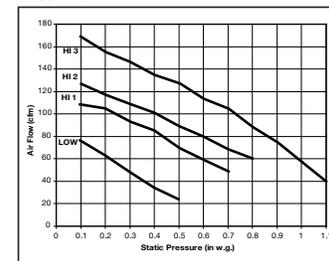
Net supply air flow in cfm (L/s) against external static pressure

E.S.P. (external static pressure)	RNC5-TPD [cfm (L/s)]	RNC5-TPF [cfm (L/s)]
@ 0.1" (25 Pa)	169 (80)	174 (82)
@ 0.2" (50 Pa)	156 (73)	165 (77)
@ 0.3" (75 Pa)	149 (70)	154 (73)
@ 0.4" (100 Pa)	136 (64)	143 (67)
@ 0.5" (125 Pa)	126 (59)	132 (62)
@ 0.6" (150 Pa)	116 (54)	120 (56)
@ 0.7" (175 Pa)	103 (48)	107 (51)
@ 0.8" (200 Pa)	89 (42)	95 (45)
@ 0.9" (225 Pa)	77 (32)	83 (39)
@ 1.0" (250 Pa)	58 (27)	71 (33)
Max. Temperature Recovery	78%	79%
Sensible Effectiveness		
@ 66 cfm (31 L/s) 32°F (0°C)	74%	75%
*Sensible Efficiency		
@ 66 cfm (31 L/s) 32°F (0°C)	61%	66%
*Sensible Efficiency		
@ 76 cfm (36 L/s) -13°F (-25°C)	63%	56%
VAC @ 60HZ	120	120
WATTS / Low speed	69	69
WATTS / High speed	147	147
Amp rating	1.7	1.7

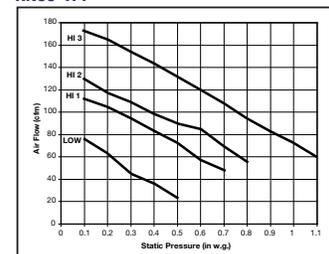
\*Sensible Efficiency - thermal \*\*Latent Efficiency - moisture

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

### RNC5-TPD



### RNC5-TPF



## WARRANTY

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

All units conform to CSA and UL Standards.



511 McCormick Blvd.  
London, Ontario, Canada N5W 4C8  
Ph: (519) 457-1904

Toll Free: 1-855-AIRIA-00  
(1-855-247-4200)

www.lifebreath.com



PART# 98-RNC5 TPD/TPF (10-13)

Printed in Canada