

### Lifebreath's best just got better!

Lifebreath has redesigned our timeless and most popular compact workhorse HRV to now include our patented optimum efficiency HEX aluminum core!

The new model was purposefully designed to provide the highest SRE (Sensible Recovery Efficiency) ratings for Energy-Efficient home programs/Building Packages. The RNC5-HEX-TPF offers the residential new construction market all the convenient features to meet or exceed project requirements. Contractors will appreciate the RNC5-HEX-TPF as it is very simple to install, balance and service and is backed by our 5 year warranty.



Lifebreath offers easy to use basic and deluxe digital control options along with our industry leading wireless timers (DET02) to save time and money.

#### RNC5 HEX TPF features include:

- Patented aluminum HEX core with Lifetime Warranty
- Sensible Recovery Efficiency (SRE) of 76% at 0°C
- Fan Defrost
- 50-110 CFM top port model
- 3 selectable high speed settings
- Multiple control options available
- Compatible with Lifebreath Wireless Timer (DET02)
- Energy Star qualified
- Integrated drain

### ENGINEERING DATA

#### Thermally Conductive, Patented Aluminum HEX Core

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

#### Motors and Blowers

Each airstream has an independent centrifugal blower with multiple fan speed operation.

#### Filters

Washable air filters in exhaust and supply airstreams.

#### Mounting the HRV

Adjustable hanging straps supplied with unit for easy installation

#### Case

20 gauge prepainted galvanized steel for superior corrosion resistance, insulated to prevent exterior condensation.

#### 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

Main control can be wall mounted in a central location. 3 wire 20 gauge (min.) 100 ft. length (max.)

### LIFEBREATH CONTROL OPTIONS

FEATURES	99-DXPL02	99-BC02	99-BC03	99-BC04
5 speed fan operation on each mode	✓			
2 speed fan operation (Low/High)		✓		✓
Continuous low speed fan operation	✓	✓	✓	✓
Adjustable Dehumidistat	✓	✓	✓	
Large digital LCD screen	✓			
LED status indicator lights		✓	✓	✓
Continuous Ventilation	✓	✓	✓	✓
20 ON/40 OFF	✓		✓	✓
10 ON/50 OFF	✓			
20/40/60 min. High speed override button	✓			
Compatible with 99-DET02 Wireless Timer	✓	✓	✓	✓
3 wire connection	✓	✓	✓	✓

#### Accessory Options

**99-190 Dual Hood**—One 6 in (152 mm) opening for supply and exhaust.

*Tested by: National Research Council*

*Program: Building Regulations for Market Access*

*Report Number: A1-007793, Report Date: 15 February 2016*

*Found to comply with requirement as set in the NBC*

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

**99-185 Weatherhoods**—Two 5 in (127 mm).

### 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

##### Wireless Lifebreath 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 ft. approximate range.

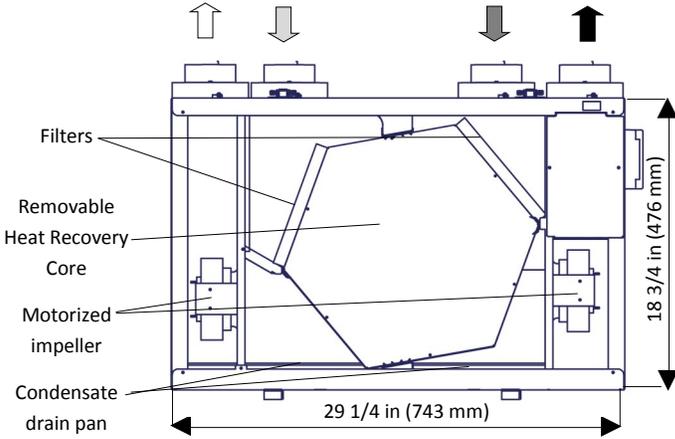
**\*\* Exclusive to Lifebreath \*\***

#### 99-RX02

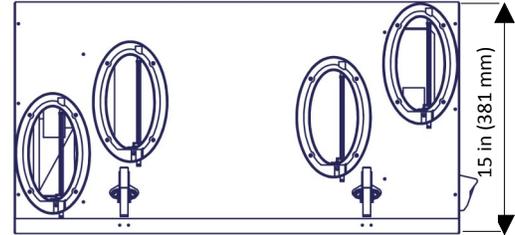
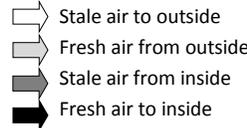
##### Wireless Lifebreath Repeater

Extends 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.

**Dimensions**



**Weight:** 50 lbs (22.7kg)    **Shipping Weight:** 53 lbs (24.1kg)

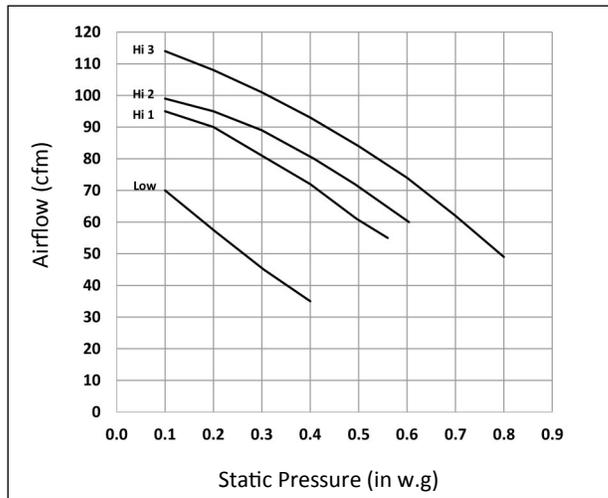


**Note:** Front clearance of 25 in (635 mm) is recommended for servicing unit. All ducts use 5 in (125 mm) oval collars, balancing dampers are located on all collars.

**Performance (HVI Certified)**

In. wg. (Pa)	0.1 (25)	0.2 (50)	0.3 (75)	0.4 (100)	0.5 (125)	0.6 (150)	0.7 (175)	0.8 (200)
	cfm (L/s)							
Net Supply Airflow	114 (54)	108 (51)	102 (48)	93 (44)	85 (40)	74 (35)	61 (29)	49 (23)
Gross Supply Airflow	114 (54)	108 (51)	102 (48)	93 (44)	85 (40)	74 (35)	61 (29)	49 (23)
Gross Exhaust Airflow	110 (52)	104 (49)	97 (46)	89 (42)	81 (38)	72 (34)	59 (28)	47 (22)

Electrical Specifications:	
VAC @ 60Hz	120
Watts / Low Speed	34
Watts / High Speed	55
Amp Rating	0.5



Sensible Effectiveness (ASE) @ 49 cfm (23 L/s)	32°F (0°C)	81%
Sensible Effectiveness (ASE) @ 64 cfm (30 L/s)	32°F (0°C)	79%
Sensible Efficiency (SRE) @ 49 cfm (23 L/s)	32°F (0°C)	77%
Sensible Efficiency (SRE) @ 64 cfm (30 L/s)	32°F (0°C)	76%
Sensible Efficiency (SRE) @ 68 cfm (32 L/s)	-13°F (-25°C)	66%

**Sensible Efficiency:**

Thermal

**Effectiveness:**

Based on temperature differential between the two airstreams

**Efficiency:**

Takes into account all power inputs and leakage

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

Date: \_\_\_\_\_ Contractor: \_\_\_\_\_  
 Tag: \_\_\_\_\_ Qty: \_\_\_\_\_ Supplier: \_\_\_\_\_  
 Project: \_\_\_\_\_ Quote#: \_\_\_\_\_  
 Engineer: \_\_\_\_\_ Submitted By: \_\_\_\_\_  
 Control: \_\_\_\_\_ Timer: \_\_\_\_\_ Timer Qty: \_\_\_\_\_



All units conform to CSA and UL standards



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