



COMPACT UNIT, HIGH EFFICIENCY

the right fit

- Ultra compact top port HRV
- High efficiency aluminum heat recovery core
- RNC4-TPD with HEX core technology
- 4" round port collars
- 3 selectable high speed settings
- Door port balancing technology
- Exceeds Energy Star requirements



Setting a new standard for energy efficient,
clean air homes and businesses.



This product earned the ENERGY STAR by meeting strict energy efficiency guidelines set by Natural Resources Canada and the US EPA. This meets ENERGY STAR requirements only when used in Canada.



ENGINEERING DATA

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE

It is easily removed for cleaning or service

RNC4-TPF- The cross-flow heat recovery core transfers heat between the two airstreams.

RNC4-TPD-The counter-flow, hexagonal heat recovery core transfers heat between the two airstreams.

MOTORS AND BLOWERS

Each airstream has an independent motorized impeller with multiple fan speed operations

FILTERS

Washable air filters in exhaust and supply airstreams.

MOUNTING THE HRV

"S" hooks and hanging straps supplied with the unit.

DEFROST

RNC4-TPF- Temperature sensor activated, periodically shuts down supply motor.

RNC4-TPD- Temperature sensor activated, supply bypass routes indoor air to defrost core.

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 or 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.).

OPTIONAL CONTROLS

99-BC01 Lifestyle RNC Ventilation Control

- 2 speed fan setting (low/high)
- Adjustable dehumidistat function built into main wall control
- Built-in relay for interlocking the unit to the furnace
- 3 wire connection

99-DX01 Lifestyle RNC Digital Control

- 2 speed operation on each mode
- The RNC4-TPF has 2 user selectable operational modes: Continuous ventilation, 20 ON/40 OFF. The RNC4-TPD also has 20 ON/40 Recirculation and Continuous Recirculation
- Adjustable dehumidistat function built into the main wall control
- 3 wire connection.

OPTIONAL TIMERS

99-DET01 Lifestyle 20/40/60 Minute Timer - Initiates high speed ventilation for 20, 40 or 60 minutes, 3 wire connection

99-20M01 Lifestyle 20 Minute Timer - Initiates high speed ventilation for 20 minutes, 3 wire connection

99-101 Mechanical Timer - Initiates high speed ventilation for up to 60 minutes, 2 wire connection

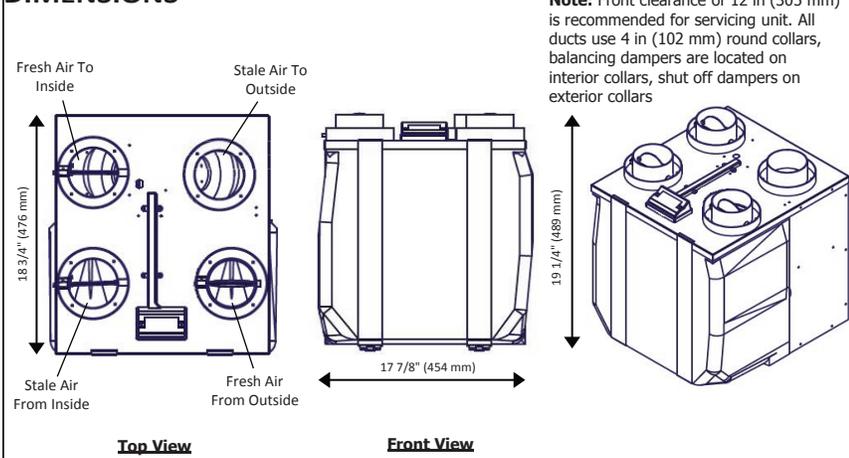
OPTIONAL ACCESSORIES

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

99-185 Weatherhoods - Two 5 in (127 mm)

99-080-04 Wall Mount Bracket

DIMENSIONS



RNC4-TPF Performance (HVI certified)

Net supply airflow in cfm against external static pressure

Square Core - Fan Defrost	
External Static Pressure	Airflow
@ 0.1 in (25 Pa)	95 cfm (45 L/s)
@ 0.2 in (50 Pa)	88 cfm (42 L/s)
@ 0.3 in (75 Pa)	82 cfm (39 L/s)
@ 0.4 in (100 Pa)	75 cfm (35 L/s)
@ 0.5 in (125 Pa)	68 cfm (32 L/s)
@ 0.6 in (150 Pa)	59 cfm (28 L/s)
@ 0.7 in (175 Pa)	50 cfm (24 L/s)

Max. Temperature Recovery	78%
Sensible Effectiveness	
@ 55 cfm (26 L/s)	32°F (0°C) 75%
Sensible Efficiency	
@ 55 cfm (26 L/s)	32°F (0°C) 67%
Sensible Efficiency	
@ 60 cfm (28 L/s)	-13°F (-25°C) 61%
VAC @ 60Hz	120
Amp rating	0.48
Watts - High Speed	57
Watts - Low Speed	38

RNC4-TPD Performance (HVI certified)

Net supply airflow in cfm against external static pressure

Hex Core - Recirculating	
External Static Pressure	Airflow
@ 0.1 in (25 Pa)	74 cfm (35 L/s)
@ 0.2 in (50 Pa)	70 cfm (33 L/s)
@ 0.3 in (75 Pa)	64 cfm (30 L/s)
@ 0.4 in (100 Pa)	58 cfm (27 L/s)
@ 0.5 in (125 Pa)	53 cfm (25 L/s)

Max. Temperature Recovery	78%
Sensible Effectiveness	
@ 47 cfm (22 L/s)	32°F (0°C) 78%
Sensible Efficiency	
@ 47 cfm (22 L/s)	32°F (0°C) 70%
Sensible Efficiency	
@ 52 cfm (24.5 L/s)	-13°F (-25°C) 65%
VAC @ 60Hz	120
Amp rating	0.48
Watts - High Speed	57
Watts - Low Speed	38

WEIGHT 35 lbs (16 kg) SHIPPING WEIGHT 38 lbs (17 kg)



WARRANTY

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

All units conform to CSA and UL standards

NOTE: All specifications are subject to change without notice.

