RNC 205
HEAT RECOVERY VENTILATOR

LIFEBREATH®

ENGINEERING DATA

THERMALLY CONDUCTIVE, PATENTED ALUMINUM CORE
The 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 operations.

FILTERS
Washable air filters in exhaust and supply airstreams. Upgrade to MERV-13 option available.

MOUNTING
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
20 gauge prepainted galvanized steel for superior corrosion resistance. Insulated to prevent exterior condensation. Drain connections 2 - 1/2 in. (12 mm). Balancing ports are located on door.

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
The optional control can be wall mounted in a central location of the home. 3 wire 20 gauge (min.) 100 ft length (max.).

OPTIONAL ACCESSORIES:

Dual Hood
99-190
99-194

Weather Hood
99-185
99-186
99-187

TechGrille
99-EAG4
99-EAG5
99-EAG6
99-EAG8

Terminator Fitting
99-TM4
99-TM5
99-TM6

LIFEBREATH DXPL-03 FEATURES

Feature	
5 speed fan operation on each mode	✓
2 speed fan operation (Low/High)	✓
Continuous low speed fan operation	✓
Humidity control through adjustable Dehumidistat	✓
Large digital LCD screen	✓
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 Timer	✓
3 wire connection	✓
Auto Balance	✓

TIMER OPTIONS

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

99-DET02 - 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.

99-RX02 - Wireless 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.

99-DXPL03   99-DET01   99-DET02   99-RX02

LIFEBREATH®
Indoor Air Systems

*Recirculation features not available on fan defrost models.

www.lifebreath.com

RNC 205
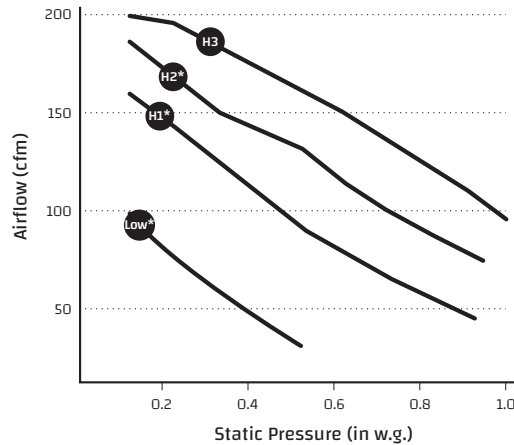## HEAT RECOVERY VENTILATOR

LIFEBREATH®

PERFORMANCE

IN. W.G. (PA)	0.1 (25) CFM (L/s)	0.2 (50) CFM (L/s)	0.3 (75) CFM (L/s)	0.4 (100) CFM (L/s)	0.5 (125) CFM (L/s)	0.6 (150) CFM (L/s)	0.7 (175) CFM (L/s)	0.8 (200) CFM (L/s)	0.9 (225) CFM (L/s)
Net Supply Airflow	203 (96)	193 (91)	182 (86)	170 (80)	159 (75)	146 (69)	133 (63)	121 (57)	106 (50)
Gross Supply Airflow	206 (97)	195 (92)	184 (87)	174 (82)	161 (76)	148 (70)	136 (64)	123 (58)	108 (51)
Gross Exhaust Airflow	212 (100)	197 (93)	184 (87)	172 (81)	157 (74)	144 (68)	129 (61)	114 (54)	102 (48)

ELECTRICAL SPECIFICATIONS

VAC @ 60Hz	120
* Watts / Low Speed	64
* Watts / High Speed	96
* Amp Rating	1.4

* Sensible Effectiveness (ASE) @ 64 CFM (30 L/s)	32°F (0°C)	85%
Sensible Efficiency (SRE) @ 64 CFM (30 L/s)	32°F (0°C)	76%
* Sensible Efficiency (SRE) @ 100 CFM (47 L/s)	32°F (0°C)	73%
Sensible Efficiency (SRE) @ 102 CFM (48 L/s)	-13°F (-25°C)	70%

* Not an HVI certified data point

CSA C US — Conforms to UL Standards

HVI CERTIFIED ® 2100

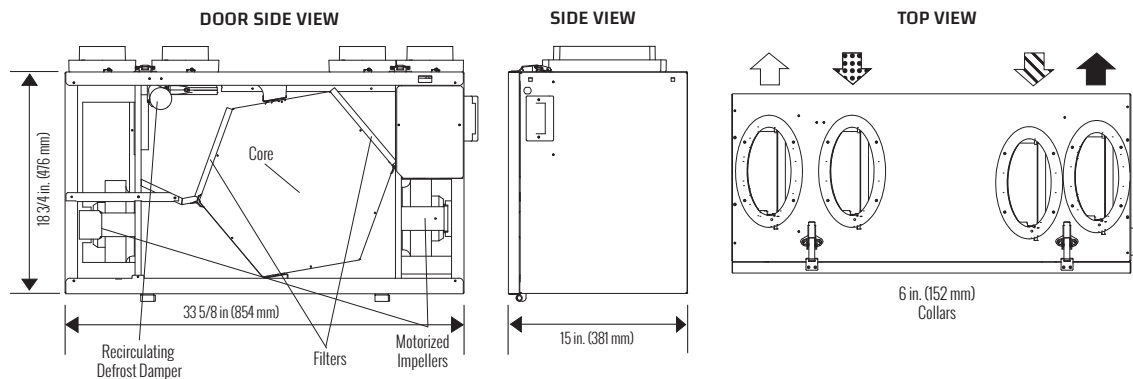ISO 9001 REGISTERED

HRAI MEMBER COMPANY

WEIGHT:
57 LBS (25.8 KG)

SHIPPING WEIGHT:
67 LBS (30 KG)

NOTE:
Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 6 in. (150 mm) oval collars, balancing dampers are located on all collars.

MERV 13 Upgrade: 65-195-6R

DIMENSIONS

DOOR SIDE VIEW

18 3/4 in. (476 mm)
33 5/8 in (854 mm)
Core
Recirculating Defrost Damper
Filters
Motorized Impellers

SIDE VIEW

15 in. (381 mm)

TOP VIEW

6 in. (152 mm) Collars

Airflow:
▷ Stale Air to Outside
⊞ Fresh Air from Outside
◩ Stale Air from Inside
▶ Fresh Air to Inside

Date: _____

Tag: _____

Project: _____ Qty: _____

Engineer: _____

Control: _____

Contractor: _____

Supplier: _____

Quote # : _____

Submitted By: _____

Timer: _____ Timer Qty: _____

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

LIFEBREATH®
Indoor Air Systems