

ENGINEERING DATA

TOTAL RECOVERY CORE

The cross-flow energy recovery core transfers heat and water vapor between the two airstreams. It is easily removed for cleaning or service.

MOTORS AND BLOWERS

Each airstream has an independent motorized impeller, with multiple fan speed operation.

FILTERS

Washable pre filters in exhaust and supply airstreams.

MOUNTING THE ERV

Hanging straps supplied with the unit.

FROST PREVENTION

Temperature sensor activated, periodically shuts down supply motor. Drains not required.

CASE

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

INSTALLER SELECTABLE HIGH SPEED SETTINGS

The highest speed, "H3" is the factory setting. Installers may select a lower high speed on set up. See chart for airflows H1, H2, and H3.

ELECTRONICS

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

CONTROL OPTIONS

99-DXPL02 Lifebreath Digital Control

- 5 speed operation on each mode
- Humidity control through adjustable Dehumidistat
- 5 user selectable operational modes: 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 Timers
- 3 wire connection

99-BC04 Lifebreath Ventilation Control

- 2 speed fan setting (Low/High)
- 2 modes of operation: Ventilation, 20/40
- Compatible with 99-DET02 Wireless Timers
- 3 wire connection

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' approximate range.

99-RX02 WIRELESS Repeater - Used to extend 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.

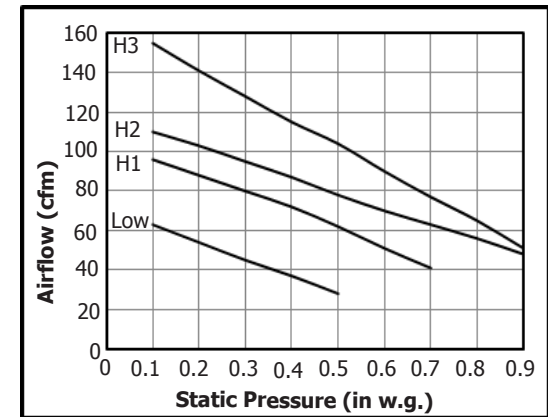
ACCESSORY OPTIONS

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

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

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

Performance (HVI certified)	
Net supply airflow in cfm (L/s) against external static pressure	
External Static Pressure	Airflow
@ 0.1 in (25 Pa)	153 cfm (72 L/s)
@ 0.2 in (50 Pa)	140 cfm (66 L/s)
@ 0.3 in (75 Pa)	127 cfm (60 L/s)
@ 0.4 in (100 Pa)	115 cfm (54 L/s)
@ 0.5 in (125 Pa)	102 cfm (48 L/s)
@ 0.6 in (150 Pa)	90 cfm (42 L/s)
@ 0.7 in (175 Pa)	77 cfm (36 L/s)
@ 0.8 in (200 Pa)	64 cfm (30 L/s)
@ 0.9 in (225 Pa)	50 cfm (24 L/s)
Max. Temperature Recovery	87%
Sensible Effectiveness	
@ 64 cfm (30 L/s) 32°F (0°C)	87%
Sensible Efficiency	
@ 66 cfm (31 L/s) 32°F (0°C)	75%
Total Efficiency	
@ 64 cfm (30 L/s) 95°F (35°C)	53%
VAC @ 60Hz	120
Watts / Low speed	76
Watts / High speed	132
Amp rating	1.4



Sensible Efficiency: Thermal

Total Efficiency: Moisture and Thermal @95F

Effectiveness: Based on temperature differential between the 2 airstreams

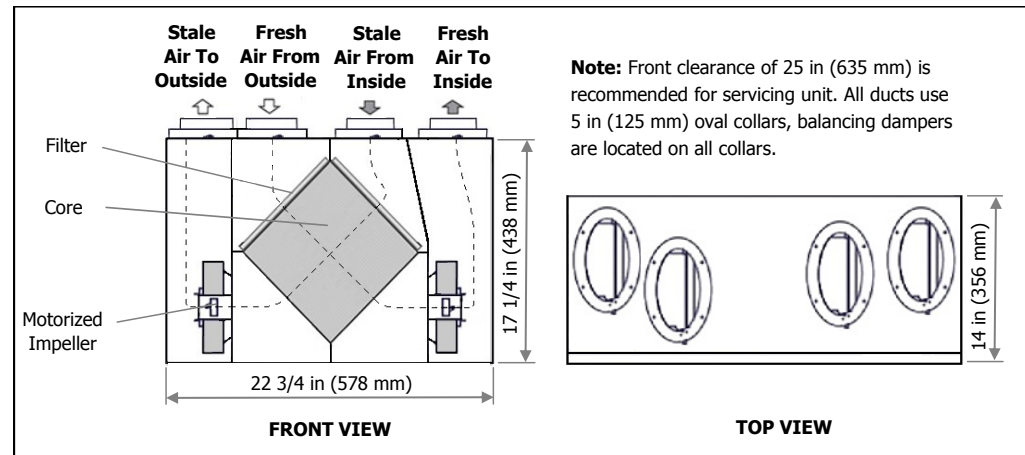
Efficiency: Takes into account all power inputs and leakage



WEIGHT 51 lbs (23 kg) **SHIPPING WEIGHT** 54 lbs (25 kg)

All units conform to CSA and UL standards

DIMENSIONS 130 ERV



NOTE: All specifications are subject to change without notice.

WARRANTY

Units carry a 10 year warranty on the ERV core and a 5 year replacement parts warranty.

Date: _____ **Contractor:** _____

Tag: _____ **Qty:** _____ **Supplier:** _____

Project: _____ **Quote #:** _____

Engineer: _____ **Submitted By:** _____