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)
99-184	Weatherhoods - Two 4 in (102 mm)
99-194	4" Dual Hood - One 6 in (152 mm) opening for supply and exhaust.
99-080-04	Wall Mounting Kit

Performance
Net supply airflow in cfm (L/s) against external static pressure

External Static Pressure	Airflow
@ 0.1 in (25 P a)	72 cfm (34 L/s)
@ 0.2 in (50 P a)	68 cfm (32 L/s)
@ 0.3 in (75 P a)	63 cfm (30 L/s)
@ 0.4 in (100 P a)	57 cfm (27 L/s)
@ 0.5 in (125 P a)	50 cfm (24 L/s)
@ 0.6 in (150 P a)	43 cfm (20 L/s)
@ 0.7 in (175 P a)	36 cfm (17 L/s)

Max. Temperature Recovery		78%
Sensible Effectiveness @ 55 cfm (26 L/s)	32°F (0°C)	78%
Sensible Efficiency @ 55 cfm (26 L/s)	32°F (0°C)	70%
Total Efficiency @ 63 cfm (30 L/s)	95°F (35°C)	48%
VAC @ 60Hz		120
Amp rating		0.48
Watts - High Speed		57
Watts - Low Speed		44
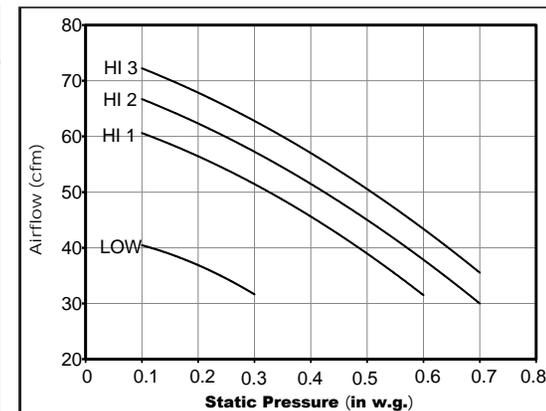
Sensible Efficiency: Thermal
Total Efficiency: Moisture and Thermal @95F
Effectiveness: Based on temperature differential between the 2 airstreams
Efficiency: Takes into account all power inputs and leakage

ISO 9001 REGISTERED

CSA ® C US Conforms to UL Standards

WEIGHT 33 lbs (15 kg) **SHIPPING WEIGHT** 36 lbs (16 kg)

All units conform to CSA and UL standards

DIMENSIONS 30 ERV

Fresh Air To Inside

Stale Air To Outside

18 3/4" (476 mm)

Stale Air From Inside

Fresh Air From Outside

Top View

19 1/4" (489 mm)

17 7/8" (454 mm)

Front View

Note: Front clearance of 25 in. (635 mm) is recommended for servicing unit. All ducts use 4 in. (102 mm) round collars, balancing dampers are in each air stream.
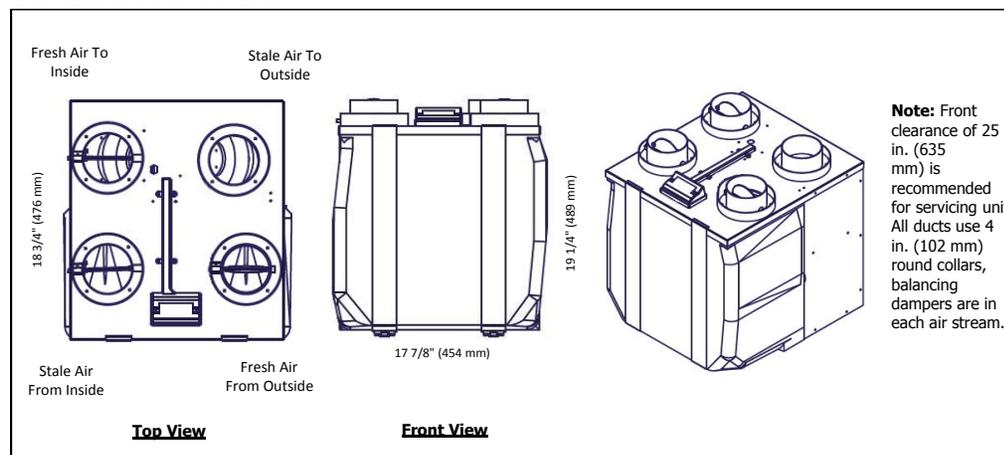
NOTE: All specifications are subject to change without notice.

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

Date: _____

Tag: _____ Qty:_____

Project: _____

Engineer: _____

Contractor: _____

Supplier: _____

Quote #: _____

Submitted By_____