

## ENGINEERING DATA

### TOTAL RECOVERY CORE

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

### MOTORS AND BLOWERS

Each air stream has an independent motorized impeller with multiple fan speed operation.

### FILTERS

Washable pre-filters in exhaust and supply air streams.

### 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 pre-painted 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 in set up. See table 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 (Recommended)

(INCLUDED with unit unless otherwise specified)

#### 99-DX01 Lifestyle Digital Control

- 2 speed operation on each of the 4 user selectable modes:
  - Continuous Ventilation
  - 20 ON/40 OFF, 20 ON/40
  - Recirculation
  - Continuous Recirculation

- Adjustable dehumidistat functions at outdoor temperatures below 59F
- 3 wire connection

### OPTIONAL TIMERS

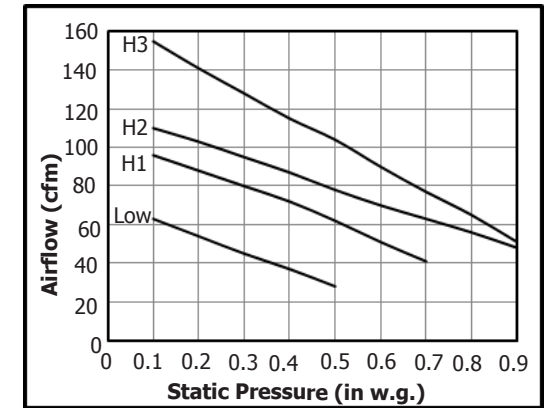
- 99-DET01 **Lifestyle 20/40/60 Minute Timer** - Initiates high speed ventilation for 20, 40, or 60 minutes, 3 wire connection.
- 99-20M01 **Lifestyle 20 Minute Timer** - Initiates high speed ventilation for 20 minutes, 3 wire connection.

### OPTIONAL ACCESSORIES

- 99-163 **Duct Heater w/Electronic SCR Thermostat** - 1 kW, 6 in (152 mm)
- 99-185 **Weatherhoods** - Two 5 in (152 mm)
- 99-190 **Dual Hood** - One 6 in (152 mm) opening for supply and exhaust.

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

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

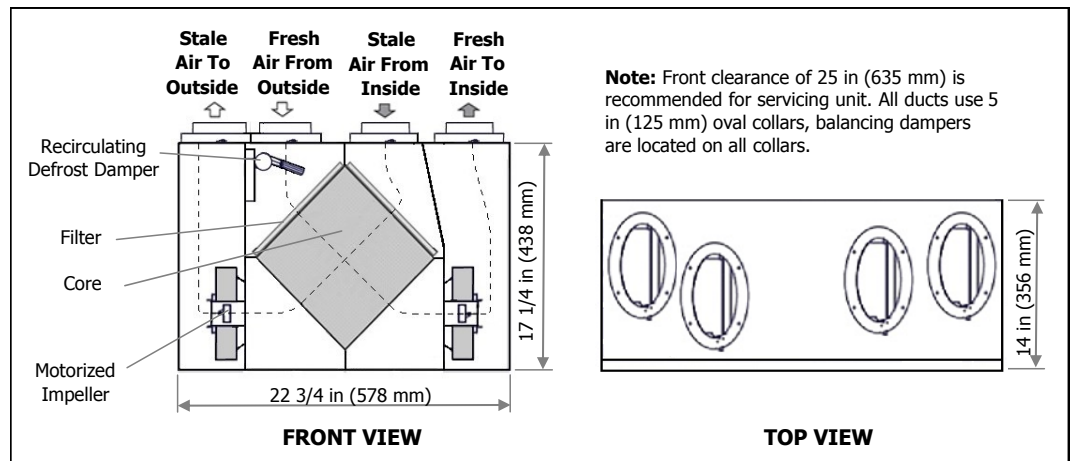
**Total Efficiency:** Moisture and Thermal @95F

**Effectiveness:** Based on temperature differential between the 2 airstreams

**Efficiency:** Takes into account all power inputs and leakage



## DIMENSIONS 130ERV-R



## WARRANTY

Units carry a 10 year warranty on the ERV 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.

Date: \_\_\_\_\_

Tag: \_\_\_\_\_ Qty: \_\_\_\_\_

Project: \_\_\_\_\_

Engineer: \_\_\_\_\_

Contractor: \_\_\_\_\_

Supplier: \_\_\_\_\_

Quote #: \_\_\_\_\_

Submitted By: \_\_\_\_\_