



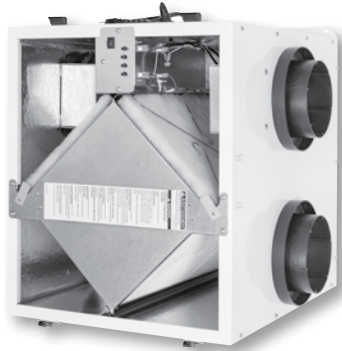
Energy Recovery Ventilator  
EC Motor Standard



INDOOR UNIT

NEW

SPECIFICATIONS



EV Premium L shown

Download specification at:  
renewaire.com/specifications

**Ventilation Type:**

Static plate, heat and humidity transfer

**Typical Airflow Range:** 30-225 CFM

**Unit is HVI Tested/Certified per CSA C439**

**Protocol:** Using one L-50 G5 Core

**Standard Features:**

- White painted cabinet
- Line-cord power supply
- Low-voltage circuit for controls
- Unit may be mounted in any orientation
- Cross-core differential pressure ports
- Dial-A-Flow - balance and airflow adjustment
- Variable speed
- Boost mode

**Controls:**

Onboard digital controller with independent variable speeds

**Filters:**

Total qty. 2, MERV 8, spun-polyester media:  
10 1/2" x 10 1/2" x 1"

**Unit Dimensions & Weight:**

22 1/2" L x 12 5/8" W x 23 3/4" H  
36 lbs.

**Max. Shipping Dimensions & Weight (in carton):**

32" L x 22" W x 18" H  
48 lbs.

**Motor(s):**

Qty. 2, 115V EC motorized impeller packages

**Accessories:**

- Backdraft damper 6", 8"
- Automatic balancing damper 4", 5", 6"
- Louvered wall vent 6" - white, brown
- Digital time clock - wall mount (TC7D-W), in exterior enclosure (TC7D-E)
- Carbon dioxide sensor/control - wall mount (CO2-W)
- IAQ sensor - wall mount (IAQ-W)
- Motion occupancy sensor/control - ceiling mount (MC-C), wall mount (MC-W)
- Push-button boost timer (PBT)
- Percentage timer control (PTL)
- Percentage timer control with furnace interlock (FM)
- Push-button point-of-use controls (PBL), PTL req'd.
- MERV 13 filter - OA airstream (shipped loose)
- Electric duct heater - RH series (1-4 kW); designed for indoor ductwork installation only

**Note:** Indirect Gas-Fired Duct Furnace is not available on the EV Premium.

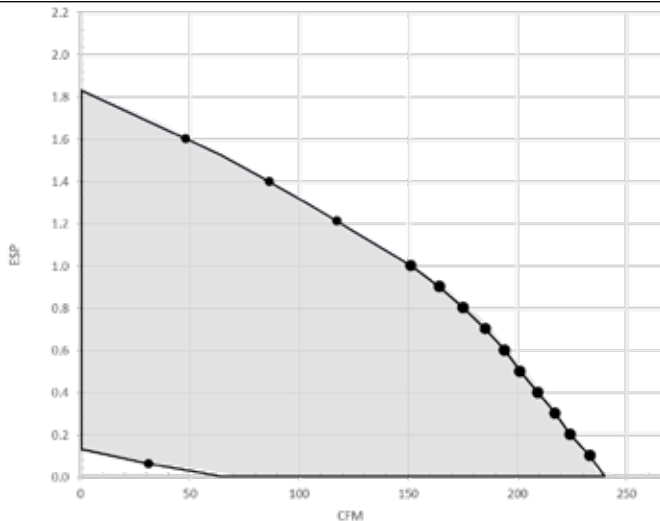
EC MOTOR OPERATING RANGE

Sample Points Depicted in Larger Dots		
Airflow (CFM)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
<b>Max. Speed</b>		
233	0.1	179
225	0.2	176
216	0.3	177
210	0.4	174
201	0.5	173
193	0.6	172
184	0.7	170
176	0.8	168
163	0.9	166
150	1.0	162
117	1.2	148
86	1.4	134
48	1.6	112
<b>Min. Speed</b>		
18	0.1	16

**Note:** Watts is for the entire unit.

**Note:** Airflow performance includes effect of clean, standard filter supplied with unit.

**Note:** Refer to CORES for specific operating point electrical data.



CORE PERFORMANCE

Airflow (CFM)	Sensible EFF%	Total EFF% Winter/Summer*
<b>Max. Speed</b>		
233	58	49/26
225	59	50/27
216	60	51/28
210	61	52/30
201	62	53/32
193	63	54/34
184	64	56/36
176	66	57/38
163	67	59/40
150	69	61/42
117	73	67/49
86	77	72/56
48	82	78/63
<b>Min. Speed</b>		
18	86	84/71

**Note:** These are core-only ratings and are not HVI certified.

HVI ratings apply to complete units only.

See HVI certification ratings on pg. 30 of Single/Multi-Family Catalog.

ELECTRICAL DATA

Watts	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
85	120	60	1	1.22	10	10

Specifications may be subject to change without notice.



