

# EV 240

INDOOR UNIT

## Energy Recovery Ventilator



### SPECIFICATIONS

**Ventilation Type:**  
Static plate, heat and humidity transfer

**Typical Airflow Range:** 100–240 CFM

**Unit is HVI Tested/Certified per CSA C439 Protocol:** Using one L-100-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

**Controls:**  
Onboard 24VAC transformer/relay package

**Filters:**  
Total qty. 2, MERV 8, spun-polyester media:  
10 1/2" x 21 3/4" x 1"

**Unit Weight:** 70 lbs.

**Max. Shipping Dimensions & Weight (on pallet):**  
34" L x 44" W x 34" H  
112 lbs.

**Motor(s):**  
Qty. 1, Double-shaft standard motor

**Accessories:**  
Backdraft damper: 6", 8"  
Automatic balancing damper: 4", 5", 6"  
Louvered wall vent 6": white, brown  
Louvered wall vent 8": taupe vinyl, galvanized, paintable galvanized  
Louvered wall vent with 8" round duct connection: 12" W x 8" H  
Hooded wall vent 8": galvanized, paintable galvanized  
Digital time clock: wall mount (TC7D-W), in exterior enclosure (TC7D-E)  
Carbon dioxide sensor/control: wall mount (CO2-W), duct mount (CO2-D)  
IAQ sensor: wall mount (IAQ-W), duct mount (IAQ-D)  
Motion occupancy sensor/control: ceiling mount (MC-C), wall mount (MC-W)  
Percentage timer control (PTL)  
Push-button point-of-use controls (PBL), PTL req'd.  
Percentage timer control with furnace interlock (FM)  
MERV 13 filter: OA airstream (shipped loose)  
Electric duct heater: RH series (1–8 kW); designed for indoor ductwork installation only

### ELECTRICAL DATA

HP	Volts	Hz	Phase	Input Watts	FLA
0.2	120	60	Single	216 @ 236 CFM	3.3

### UNIT PERFORMANCE

Airflow CFM	ESP in H <sub>2</sub> O
170	0.80
195	0.70
214	0.60
229	0.50
242	0.40
250	0.30
256	0.20
265	0.10

### CORE PERFORMANCE

Airflow CFM	Temp EFF%	Total EFF% Winter/Summer
170	78	73/59
195	76	71/57
214	75	69/55
229	74	68/54
242	73	67/52
250	73	67/52
256	73	66/51
265	72	66/50

**Note:** These are core-only ratings and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 98/78wb OA and 75/63wb RA (summer). HVI ratings apply to complete units only. This unit is HVI certified. See HVI certified ratings on pg. 47 of Single/Multi-Family Catalog and at hvi.org.

### UNIT DIMENSIONS



**AIRFLOW ORIENTATION**  
Available as shown in dimension drawing.



**UNIT MOUNTING & APPLICATION**  
Can be mounted in any orientation. RA/EA airstream can be switched with OA/SA airstream.

