

EV 240

INDOOR UNIT

Energy Recovery Ventilator Standard



Download specification at: renewaire.com/specifications

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 24 VAC transformer/relay package with switched dry contacts

Filters:

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

Unit Dimensions & Weight:

33 1/2" L x 24" W x 20" H
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 galvanneal
- Louvered wall vent with 8" round duct connection - 12" W x 8" H
- 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)
- Dehumidistat control (DH24)
- MERV 13 filter - OA airstream (shipped loose)
- Electric duct heater - RH series (1-8 kW); designed for indoor ductwork installation only

Note: Indirect Gas-Fired Duct Furnace is not available on the EV240.

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 ₂ 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.

HVI ratings apply to complete units only.

See HVI certification ratings on pg. 31 of Single/Multi-Family Catalog.

UNIT DIMENSIONS



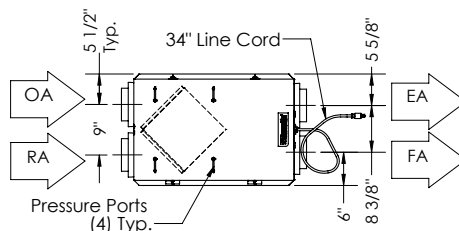
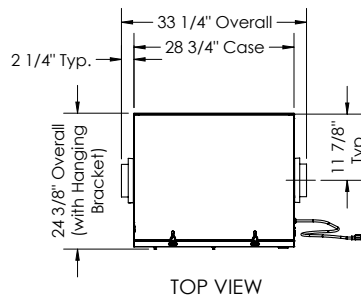
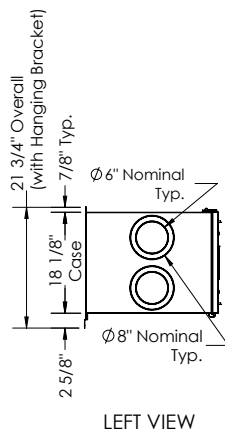
AIRFLOW ORIENTATION

Available as shown in dimension drawing.

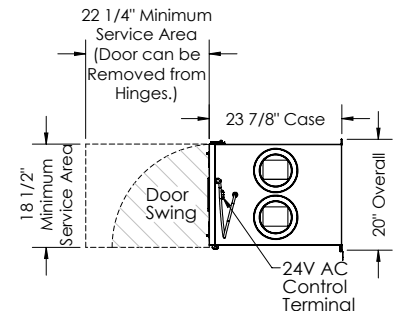


UNIT MOUNTING & APPLICATION

Can be mounted in any orientation. RA/EA airstream can be switched with OA/FA airstream.



FRONT VIEW (HANGING BRACKET REMOVED FOR CLARITY)



RIGHT VIEW

ABBREVIATIONS

- EA: Exhaust Air to outside
- OA: Outside Air intake
- RA: Room Air to be exhausted
- FA: Fresh Air to inside

INSTALLATION ORIENTATION

Unit may be installed in any orientation.

NOTE

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

Specifications may be subject to change without notice.