

EV 240

INDOOR UNIT



Note: There are multiple control options designed to address individual climate conditions. Please consult your local installer for the best installation controls for your climate.

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.

Units Per Pallet: 4

Motor(s):

Qty. 1, Double-shaft standard motor

Accessories:

Backdraft damper: 6", 8"
Automatic balancing damper: 4", 5", 6"
Motorized Dampers: 6", 8"
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	Watts	FLA
0.2	120	60	Single	216 @ 236 CFM	3.3

UNIT PERFORMANCE

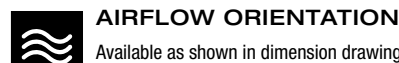
Airflow (CFM)	External Static Pressure (Inches Water Column)
170	0.80
195	0.70
214	0.60
229	0.50
242	0.40
250	0.30
256	0.20
265	0.10

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. 48 of Single/Multi-Family Catalog and at hvi.org.

UNIT DIMENSIONS



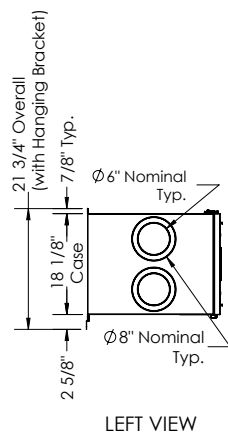
AIRFLOW ORIENTATION

Available as shown in dimension drawing.

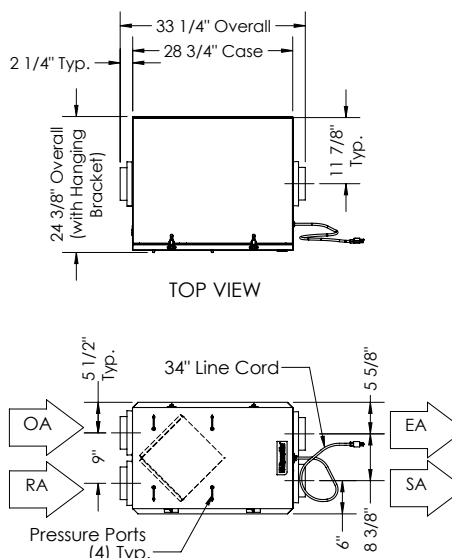


UNIT MOUNTING & APPLICATION

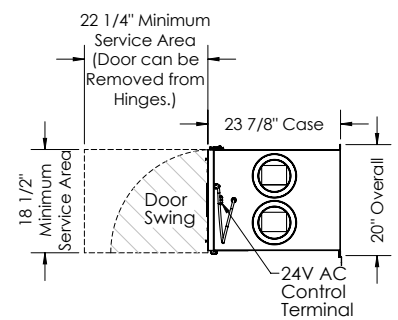
Can be mounted in any orientation. RA/EA airstream can be switched with OA/SA airstream.



LEFT VIEW



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
SA: Supply 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.