

NEW! INDOOR UNIT



(EV Premium+ MH shown)

**EE-390LW-P555-XDO,
EE-390LW-H555-XDO**

Note: There are multiple control options designed to address individual climate conditions.

SPECIFICATIONS

Ventilation Type: Static plate, heat and humidity transfer

Typical Airflow Range: 100–390 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 or hard wired to junction box (H)
Low-voltage circuit for controls
Unit may be mounted in any orientation
Constant volume airflow setpoints (5 CFM increments)
Manual balance and airflow adjustments
Cross-core differential pressure ports
Variable speed
2 speeds: low and high/boost-mode
Switched terminals for: furnace/AC interconnect or auxiliary NO (x1) or NC (x1) outputs, independent low and high-speed activation, damper controls (x2)
ERV status/fault LEDs:
Filter monitoring, replacement, indication, and reset

Controls:

Onboard digital controller with independent variable speeds
Easy connect terminal strip
Touchscreen Control+ (TC1+) accessory is required for unit setup, optional for operation

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

Unit Weight: 65 lbs.

Max. Shipping Dimensions & Weight (in carton):

33" L x 24" W x 29" H
72 lbs.

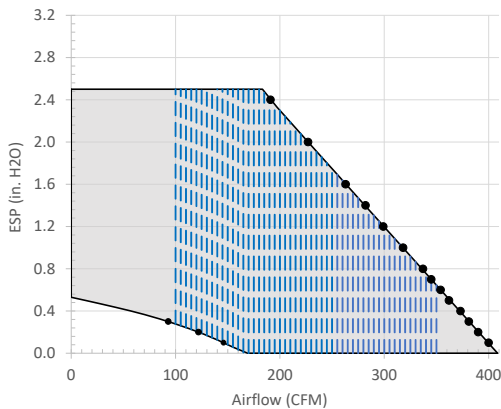
Units Per Pallet: 4

Motor(s): Qty. 2, 120V EC motorized impellers

Accessories:

Backdraft damper: 8"
Automatic balancing damper: 4", 5", 6"
Motorized Dampers: 8"
Louvered wall vent 8": taupe vinyl
Louvered wall vent with 8" round duct connection:
12" W x 8" H
Hooded wall vent 8": galvanized, paintable galvanneal
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)
BACnet fan control: wall mount (BACNETFC-W)
MERV 13 filter: OA airstream (shipped loose)
Electric duct heater: RH series (1–11.5 kW);
designed for indoor ductwork installation only
Touchscreen Control+ (TC1+), required for unit setup
and 2025 CEC Title 24, Part 6 FID compliance and
IECC-2024
Countdown timer control (LVCT)
Percentage timer control (LVPT)

EC MOTORIZED IMPELLER OPERATING RANGE AND CORE PERFORMANCE



● = Actual tested sample points

| = Manual operating curves, airflow is held constant as static pressure varies

| = Constant airflow setpoints in 5 CFM increments can be achieved between 100–350 CFM

Factory settings

1. High speed set to max constant airflow setpoint
2. Low speed set to 200 CFM constant airflow setpoint

Airflow (CFM) ¹	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts) ²	Sensible EFF% ³	Total EFF% Winter/Summer ³
Max. Speed				
400	0.10	339	64	55/38
390	0.20	338	64	56/39
381	0.30	340	65	57/40
373	0.40	337	65	57/40
362	0.50	337	66	58/41
354	0.60	337	66	59/42
345	0.70	337	67	59/43
337	0.80	336	68	60/44
318	1.00	337	69	61/46
299	1.20	336	70	63/47
282	1.40	336	71	64/49
263	1.60	344	72	66/51
227	2.00	349	74	68/54
191	2.40	359	77	71/57
Min. Speed				
146	0.10	41	80	75/62
122	0.20	37	81	77/64
93	0.30	32	83	79/66

Notes:

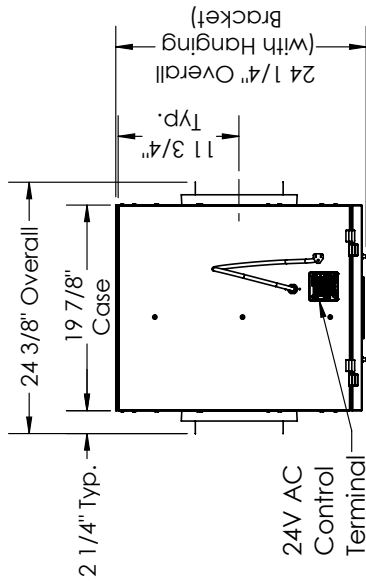
1. Airflow performance includes effect of clean, standard filter supplied with unit.
2. Unit power consumption (watts) is for the entire unit. Watts for airflow performance are not HVI certified.
3. Ratings shown are core-only and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 95/78wb OA and 75/63wb RA (summer). **This unit is HVI certified; for complete unit HVI ratings refer to HVI's certified product directory.**

ELECTRICAL DATA*

Watts	Volts	Hz	Phase	FLA per motor	Minimum Circuit Amps	Max Overcurrent Protection Device
220	120	60	1	2.70	15	15

* Refer to CORES for specific operating point electrical data.

EV PREMIUM+ X ENERGY RECOVERY VENTILATOR EC MOTORIZED IMPELLER EE-390LW-P555-XD0

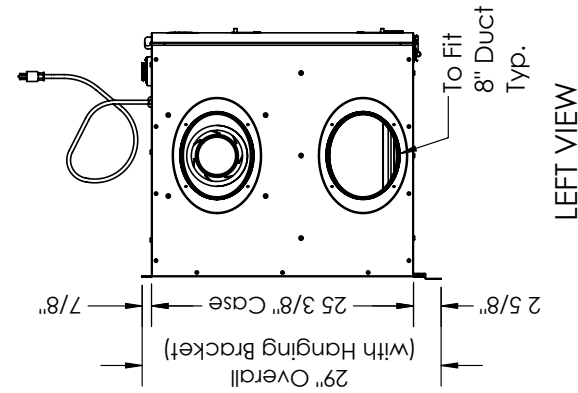


TOP VIEW

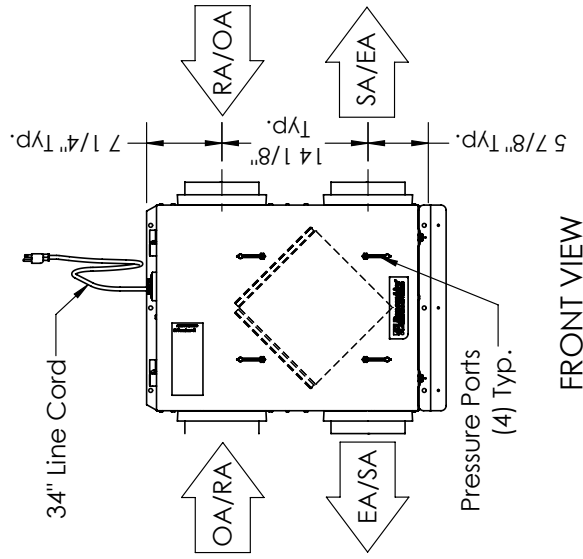
ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air Intake
RA: Room Air to be exhausted
SA: Supply Air to inside

INSTALLATION ORIENTATION
Unit may be installed in any orientation.

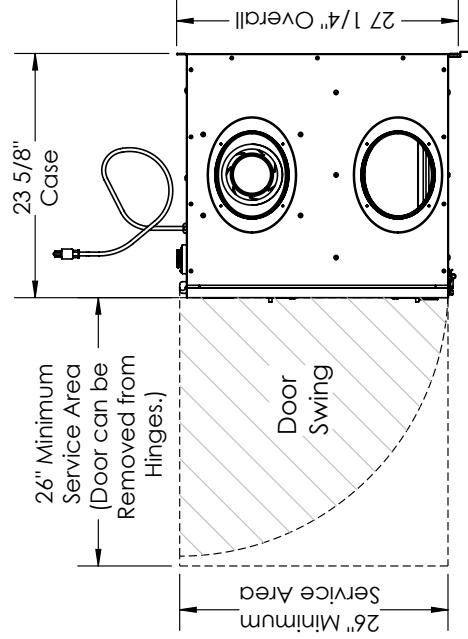
NOTE
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



LEFT VIEW



FRONT VIEW



RIGHT VIEW

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.