

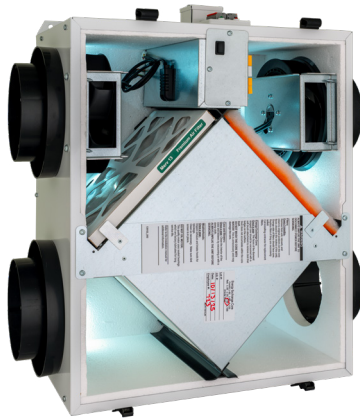


PREMIUM+ M

ENERGY RECOVERY VENTILATOR EC MOTORIZED IMPELLER



NEW! INDOOR UNIT



**EE-230MW-P555-XC0,
EE-230MW-H555-XC0**

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.

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 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 10 1/2" x 1"

Unit Weight: 36 lbs.

Max. Shipping Dimensions & Weight (in carton):

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

Units Per Pallet: 8

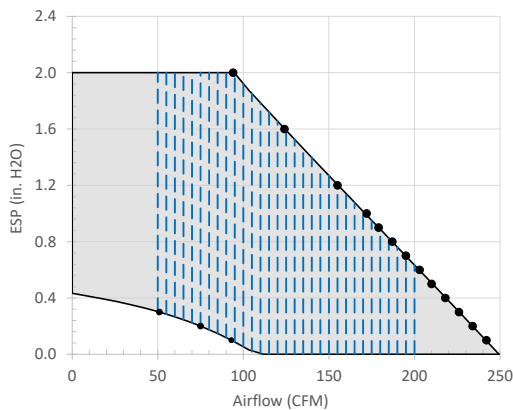
Motor(s):

Qty. 2, 120V EC motorized impellers

Accessories:

Backdraft damper: 6", 8"
Automatic balancing damper: 4", 5", 6"
Motorized Dampers: 6", 8"
Concentric Vent: 6" (CV6-110)
Louvered wall vent 6": white, brown
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 (1–6 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 50–200 CFM

Factory settings

1. High speed set to max constant airflow setpoint
2. Low speed set to 125 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				
242	0.10	191	57	47/28
233	0.20	190	58	48/29
227	0.30	189	59	49/31
218	0.40	189	60	50/32
210	0.50	191	61	52/34
203	0.60	192	62	53/35
195	0.70	189	63	54/37
186	0.80	191	64	56/38
180	0.90	189	65	57/40
172	1.00	190	66	58/42
155	1.20	191	68	61/45
124	1.60	190	72	66/51
92	2.00	190	77	71/57
Min. Speed				
93	0.10	32	76	71/57
75	0.20	28	79	74/60
51	0.30	22	82	78/65

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

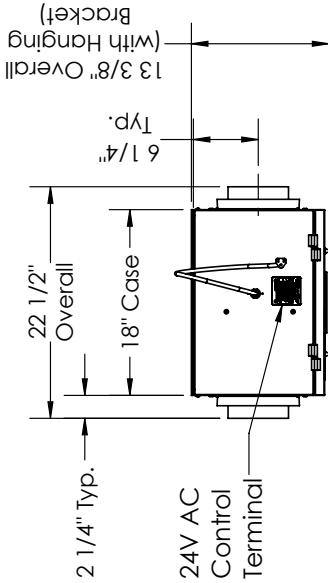
Watts	Volts	Hz	Phase	FLA per motor	Minimum Circuit Amps	Max Overcurrent Protection Device
85	120	60	1	1.22	15	15

* Refer to CORES for specific operating point electrical data.



Subject to change without notice: RENEWAIRE.COM | 1.800.627.4499

EV PREMIUM+ M ENERGY RECOVERY VENTILATOR EC MOTORIZED IMPELLER EE-230MW-P555-XC0

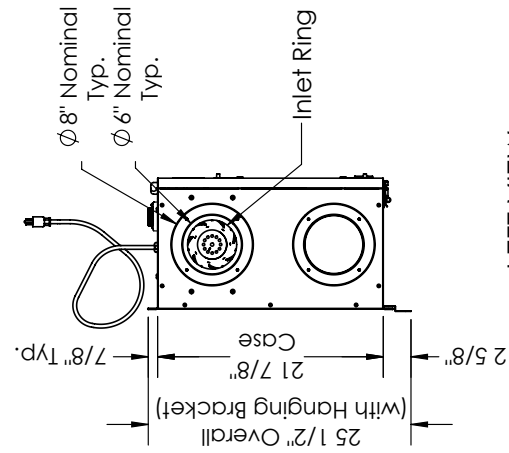


TOP VIEW

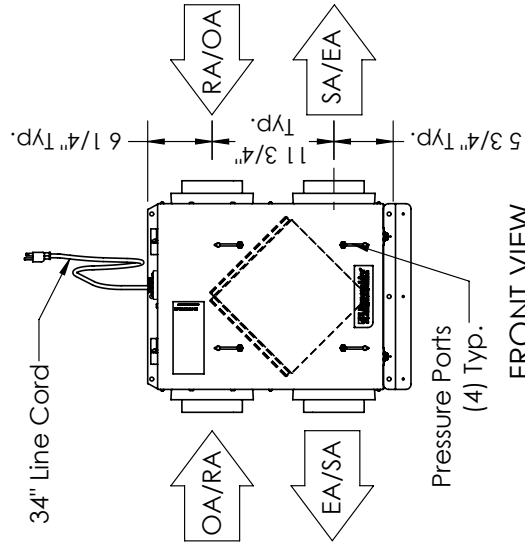
ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply Air to inside

INSTALLATION ORIENTATION
Unit may be installed in any orientation.

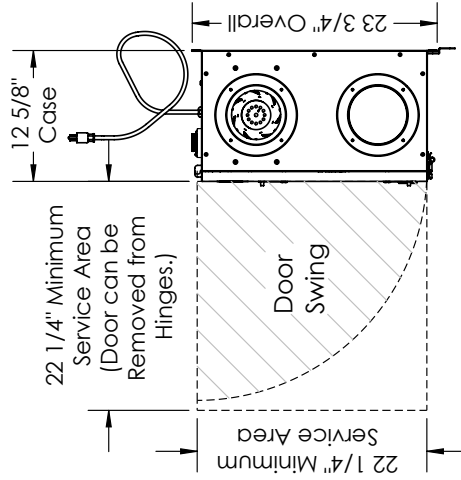
NOTE
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



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.