

ET-255MF-P340-XC0 INDOOR UNIT

SPECIFICATIONS

Patent Pending



**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.

**Ventilation Type:** Static plate, heat and humidity transfer  
**Typical Airflow Range:** 35–255 CFM  
**Unit is HVI Tested/Certified per CSA C439 Protocol:**  
 Using one L-50-G5 Core  
**Standard Features:**  
 EPP cabinet  
 Snap-N-Go™ duct collars  
 Top port connections  
 Line-cord power supply  
 Low-voltage circuit for controls  
 Cross-core differential pressure ports  
 Smart constant volume airflow setpoints (5)  
 Dial-A-Flow: balance and airflow adjustment  
 Variable speed  
 2 speeds: low (continuous) and high/boost-mode (intermittent)  
**Controls:** Onboard digital controller with independent variable speeds  
**Filters:**  
 Total qty. 2, MERV 8, spun-polyester media:  
 10 1/2" x 10 1/2" x 1"  
**Unit Weight:** 25 lbs.  
**Max. Shipping Dimensions & Weight (in carton):**  
 34" L x 14.5" W x 30" H  
 30 lbs.  
**Units Per Pallet:** 6

**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, galvanized, paintable galvalneal  
 Louvered wall vent with 8" round duct connection: 12" W x 8" H  
 Hooded wall vent 8": galvanized, paintable galvalneal  
 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)  
 Push-button boost timer (PBT)  
 Percentage timer control (PTL)  
 Percentage timer control with furnace interlock (FM)  
 Push-button point-of-use controls (PBL), PTL req'd.  
 BACnet fan control: wall mount (BACNETFC-W)  
 MERV 13 filter: OA airstream (shipped loose)  
 Electric duct heater: RH series (1–8 kW); designed for indoor ductwork installation only

CORE PERFORMANCE, CONSTANT VOLUME AIRFLOW SETPOINTS

Airflow (CFM)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)	Sensible EFF%	Total EFF% Winter/Summer
<b>Max. Speed</b>				
263	0.10	260	54	43/23
256	0.20	260	55	44/24
248	0.30	260	56	45/26
239	0.40	260	57	47/28
231	0.50	260	58	48/29
225	0.60	260	59	49/31
216	0.70	260	60	51/33
208	0.80	260	61	52/34
199	0.90	260	62	53/36
191	1.00	260	64	55/37
173	1.20	260	66	58/41
156	1.40	260	68	60/44
<b>Constant Volume Airflows</b>				
190	0.20	160	64	55/37
150	0.20	104	69	61/45
110	0.20	62	74	68/53
70	0.20	22	79	74/61
35	0.20	15	84	80/68

Constant Volume Airflow Setpoints				
Setpoint	External Static Pressure (Inches Water Column)			
	0.20 to 0.60		> 0.60 to 1.00	
	Nominal (CFM)	Tolerance (CFM)	Nominal (CFM)	Tolerance (CFM)
1	35	+/- 5	35	+/- 5
2	70	+/- 10	70	+/- 10
3	110	+/- 15	100	+/- 15
4	150	+/- 15	140	+/- 15
5	190	+/- 25	180	+/- 20

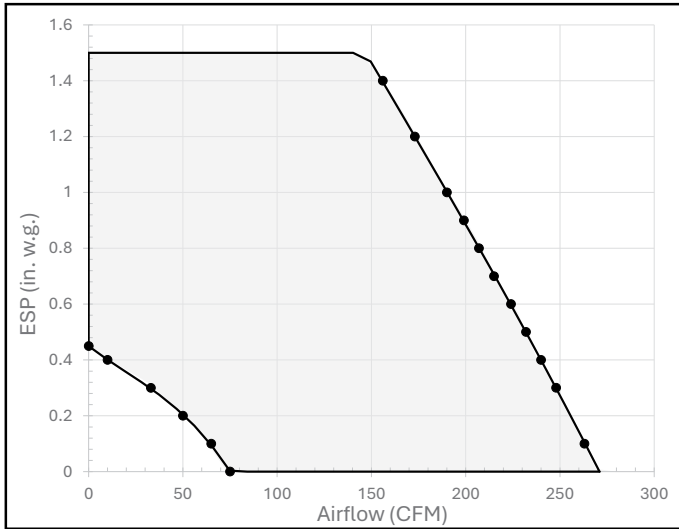
**Note:** For design static pressures beyond the provided for constant volume setpoints, please contact factory for application support.

Notes:

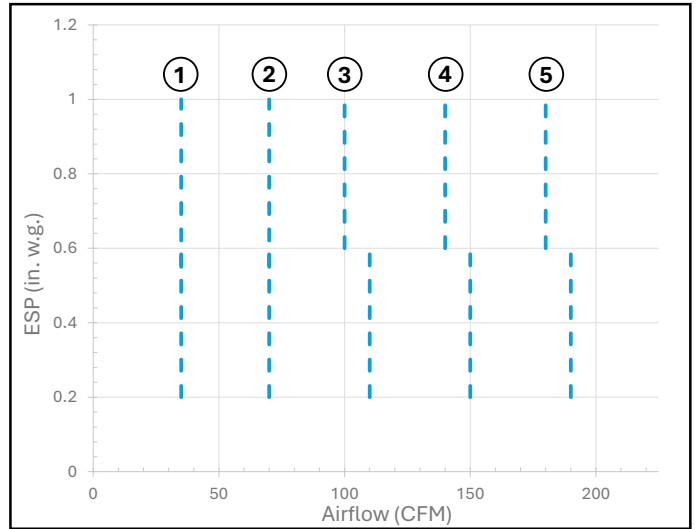
1. Watts is for the entire unit.
2. Airflow performance includes effect of clean, standard filter supplied with unit.
3. Refer to CORES for specific operating point electrical data.
4. These are core-only ratings and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 95/78wb OA and 75/63wb RA (summer). HVI ratings apply to complete units only. This unit is HVI certified. See HVI certified ratings.

**EC MOTOR OPERATING RANGE**

**Dial-A-Flow Operating Airflows**



**Constant Volume Airflows**

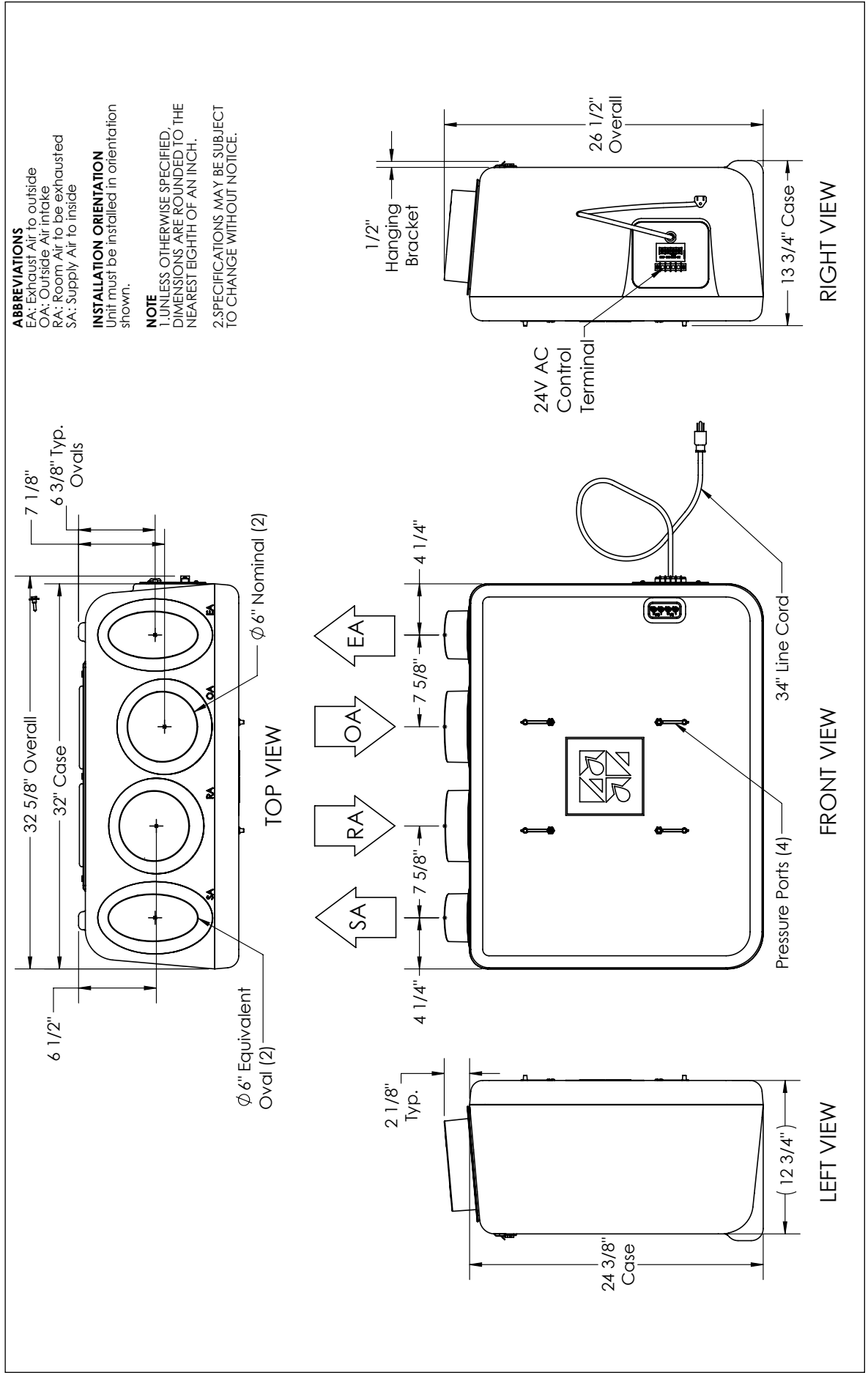


● = Actual tested sample points    | = Operating curves, airflow is held constant as static pressure varies    ⋮ = Nominal constant volume airflow setpoints

**ELECTRICAL DATA**

Watts	Volts	Hz	Phase	FLA per motor	Minimum Circuit Amps	Max Overcurrent Protection Device
130	120	60	1	1.8	15	15

**AERIT™ MT ET-255MF-P340-XC00 ENERGY RECOVERY VENTILATOR EC MOTOR**



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



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

