

## NEW! INDOOR UNIT



**EG-110SB-H020-XEO**

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

## SPECIFICATIONS

**Ventilation Type:** Static plate, heat and humidity transfer

**Typical Airflow Range:** 25–130 CFM

**Unit is HVI Tested/Certified per CSA C439 Protocol:**  
Using one L-07-G5 Core

**Standard Features:**  
Unpainted galvanized and ABS cabinet  
Hard wired to junction box  
Airflow setpoint: select minimum exhaust airflow (30, 40, or 50 CFM) or constant speed (25-130 CFM)  
Single speed operation  
Unit is on with power, control via any line-voltage switch or accessory

**Controls:**  
Can use any switched line-voltage power supply (no low-voltage controls)

**Filters:**  
Total qty. 2, MERV 7, spun-polyester media:  
7 3/8" x 10 1/8" x 3/8"

**Unit Weight:** 17 lbs.

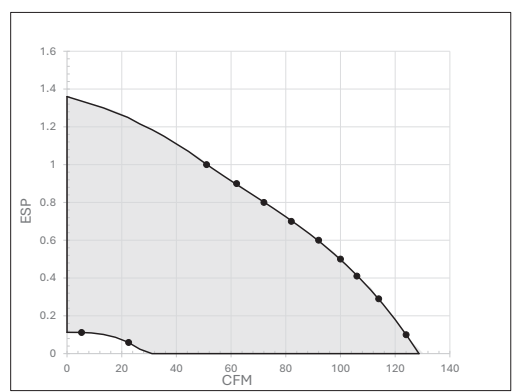
**Max. Shipping Dimensions & Weight (in carton):**  
24.5" L x 18" W x 16.5" H  
25 lbs.

**Units Per Pallet:** 16

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

**Accessories:**  
Duct collar with backdraft damper (SA and/or EA)  
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  
MERV 13 filter: OA airstream (shipped loose)  
Electric duct heater: RH series (1–4 kW); designed for indoor ductwork installation only  
Countdown timer control (SVCT): 120V AC  
Percent timer control (SVPT): 120V AC

## EC MOTORIZED IMPELLER OPERATING RANGE AND CORE PERFORMANCE



● = Actual tested sample points  
| = Operating curves, airflow (CFM) held constant as static pressure varies

**Factory settings**  
1. High speed set to top curve

Airflow (CFM) <sup>1</sup>	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts) <sup>2</sup>	Sensible EFF% <sup>3</sup>	Total EFF% Winter/Summer <sup>3</sup>
<b>Max Speed</b>				
124	0.1	94	39	32/20
119	0.2	94	41	34/22
114	0.3	95	42	36/23
106	0.4	95	45	38/26
100	0.5	94	47	40/28
92	0.6	93	49	43/30
82	0.7	94	52	46/33
72	0.8	93	55	49/36
62	0.9	92	58	53/40
51	1	89	62	56/43
<b>Min Speed</b>				
23	0	16	70	66/51
5	0	6	76	71/57

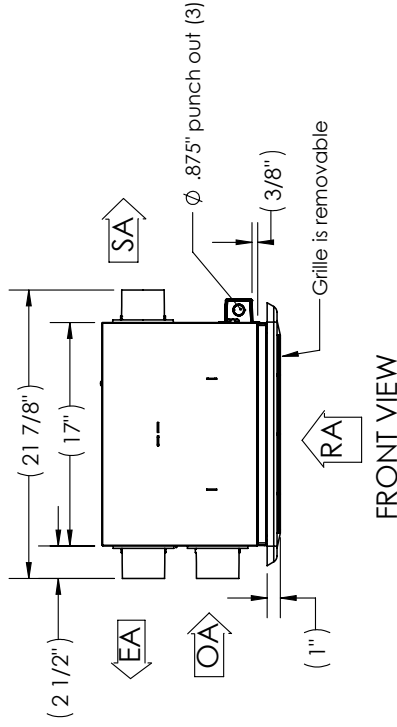
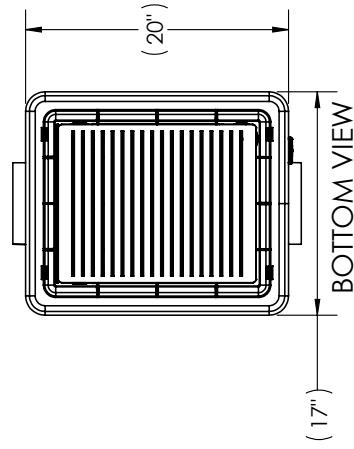
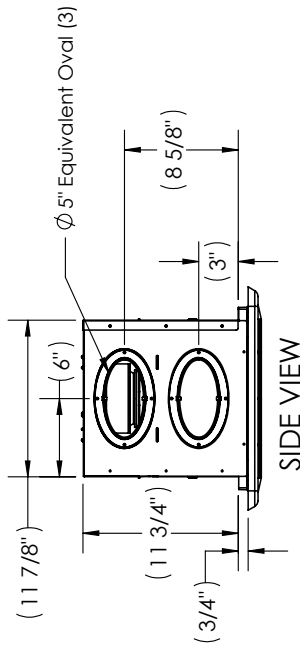
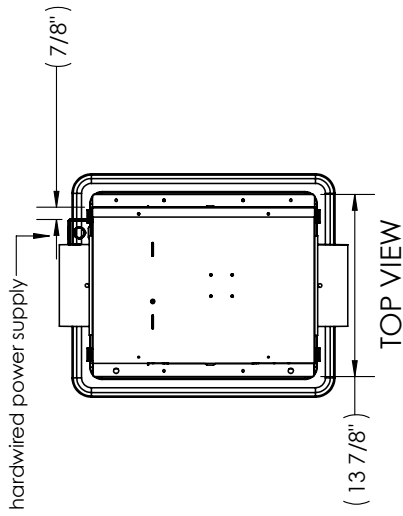
**Notes:**  
1. Airflow performance includes effect of clean, standard filter supplied with unit.  
2. Unit power consumption (watts) is for the entire unit.  
3. Ratings shown are core-only. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 95/78wb OA and 75/63wb RA (summer). **This unit 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
65	120	60	1	0.9	15	15

\* Refer to CORES for specific operating point electrical data.

# EVERGREEN™ SH ENERGY RECOVERY VENTILATOR EC MOTORIZED IMPELLERS



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

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



**UNIT MOUNTING & APPLICATION**  
 Can be mounted in any orientation. RA/EA airstream cannot be switched with OA/SA airstream.