



# EVERGREEN™ SERIES ERVs



Three-duct ERV with Single-point Exhaust



## EVERGREEN™ SERIES OVERVIEW

In response to growing demand for space-saving ventilation units, RenewAire developed the ceiling-mounted Evergreen Series. This energy recovery ventilator (ERV) is **low-profile, fits between most ceiling joists or ceiling cavity, and incorporates high-efficiency EC motorized impellers**. The Evergreen ERV allows selection of a preprogrammed quick-select or a variable airflow setpoint for easy installation and setup. Accessories include a MERV 13 filter for incoming outside air and control timers to further enhance indoor air quality (IAQ).

### EVERGREEN™ SH

MODEL NUMBER	EG-110SB-H020-XE0	
ELECTRICAL SUPPLY	120V/60Hz Hard-wired*	
VARIABLE AIRFLOW SETPOINT RANGE	25–130 CFM	
QUICK-SELECT AIRFLOW SETPOINT	Minimum Exhaust of 30, 40, or 50 CFM	
SPEEDS	Single	
EC MOTORIZED IMPELLERS	Yes	
CONNECTIONS	Three 5" Oval Collars	
SWAPPABLE AIRSTREAMS	No	
UNIT DIMENSIONS	17" L x 11 7/8" W x 11 3/4" H	
GRILLE DIMENSIONS	20" L x 17" W x 1" H	
WEIGHT	17 lbs.	
MOUNT	Built-in Mounting Flanges	
FILTER	MERV 7, MERV 13 (Outside Air MERV 13 Available)	
WARRANTY	Core: 10-year, Unit: 5-year	
FAN EFFICIENCY	2.4 CFM/watt at 57 CFM	
EXAMPLE RATING**	61% SRE at 34 CFM	
CERTIFICATIONS		

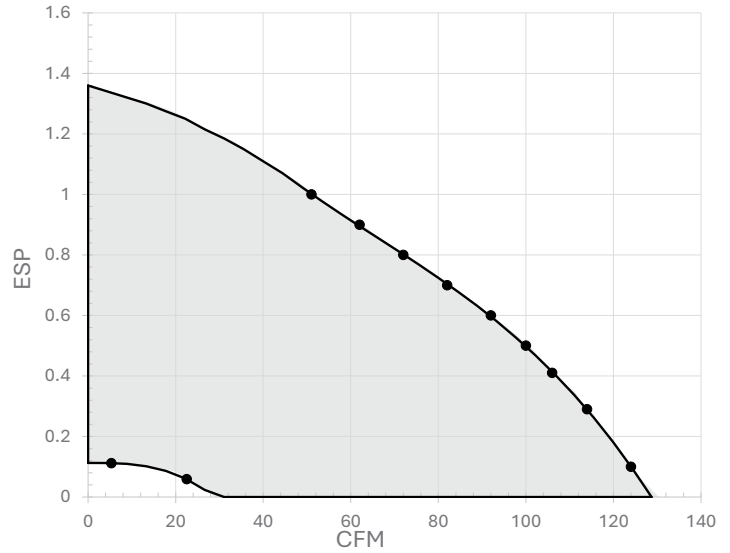
\* Electrical power to be hard-wired in field by a licensed contractor.

\*\* For all rating points, please refer to the HVI website certified products directory. HVI rating point 32°F.

## EC MOTORIZED IMPELLER OPERATING RANGE AND CORE PERFORMANCE

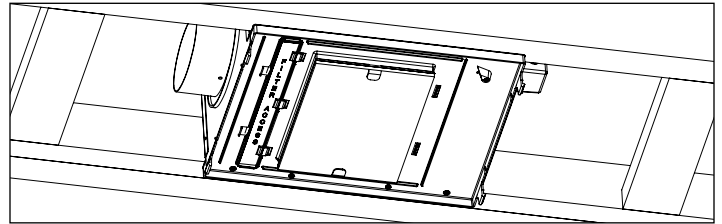
● = Actual tested sample points

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

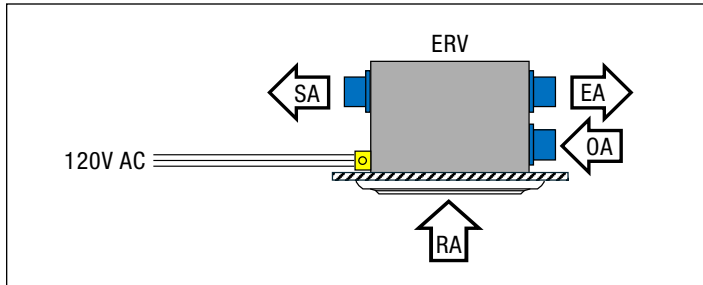


## INSTALLATION

- ◆ Integrated mounting flanges for ceiling/floor joist installation
- ◆ Three 5" oval duct collars for easy duct connections
- ◆ Easy installation for stand-alone applications or supply air can be ducted into HVAC system ducts

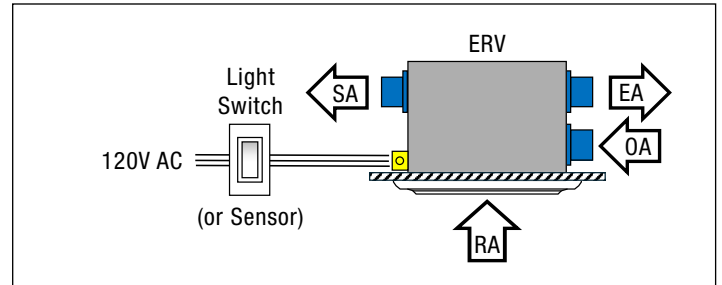


## CONTROL STRATEGIES

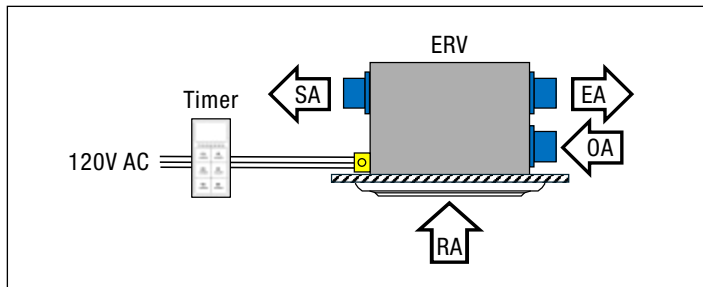


**CONTINUOUS AIRFLOW (NO CONTROLS)\***

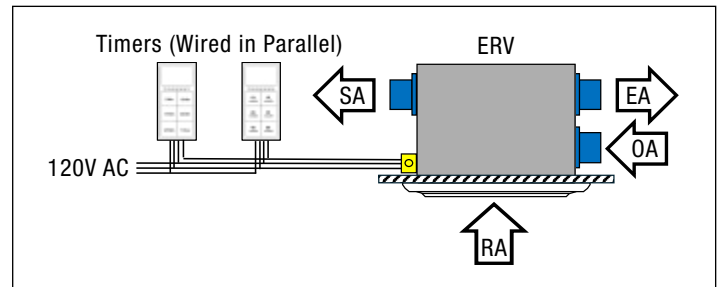
\*CODE MAY REQUIRE SWITCH/DISCONNECT TO CUT POWER TO UNIT



**INTERMITTENT AIRFLOW VIA MANUAL SWITCH OR SENSOR**



**ADJUSTABLE CONTINUOUS/INTERMITTENT VIA PERCENT OF HOUR TIMER OR COUNTDOWN TIMER**



**ADJUSTABLE CONTINUOUS/INTERMITTENT VIA PERCENT OF HOUR TIMER AND COUNTDOWN TIMERS**