



EV Premium+ S/SH

EV Premium+ M/MH

PRODUCT OVERVIEW

RenewAire® introduces the EV Premium+ S, SH, M, and MH, a new generation of energy recovery ventilators (ERVs).



As an extension of the popular and award-winning residential EV Premium Series*, these models have a combined CFM range of 30–230 and features a new Touchscreen Control+ (TC1+) accessory.

These residential ERVs stand out with their user-friendly wall mounted interactive 4-inch touchscreen control. The TC1+ allows for easy setup and additional on-demand ventilation options. Further, EV Premium+ units with a TC1+ installed in the living space are compliant with 2025 California Energy Commission’s (CEC) Title 24, Part 6 ERV Fault Indicator Display (FID) requirements.

The EV Premium+ S, SH, M, and MH are available to specify at [CORES.RenewAire.com](https://cores.renewaire.com).

EV PREMIUM+ S/SH

EV PREMIUM+ M/MH

	EV PREMIUM+ S/SH	EV PREMIUM+ M/MH
POWER SUPPLY	Line-cord or Hard-wired	
AIRFLOW RANGE	30–130 CFM	30–230 CFM
FANS	EC Motorized Impellers	
AIRFLOW SETPOINTS	Constant Volume (5 CFM Increments) and Manual (% of Max Speed)	
SPEEDS**	Two Independent Variable Speeds: Low & High/Boost-mode	
TERMINAL CONNECTIONS	Furnace/AC Interconnect, Power 2x Motorized Dampers, Independent Low & High Speed Activation	
FAULT	Monitoring & Indication	
FILTER	MERV 8 (Exhaust/Supply) or MERV 13 (Supply Only) with Monitoring & Replacement Indication	
MOUNT	Ceiling Bracket/Wall Bracket	
DIMENSIONS	22 1/2" L x 9 5/8" W x 23 3/4" H	22 1/2" L x 12 5/8" W x 23 3/4" H
WEIGHT	32 lbs.	36 lbs.
WARRANTY	Core: 10-year, Unit: 5-year	
FAN EFFICIENCY	1.82 CFM/watt at 51 CFM (0.2" ESP)	2.55 CFM/watt at 102 CFM (0.2" ESP)
EXAMPLE RATINGS***	74% SRE at 51 CFM	81% SRE at 51 CFM
CERTIFICATIONS	 	

*Existing EV Premium models cannot be retrofitted.

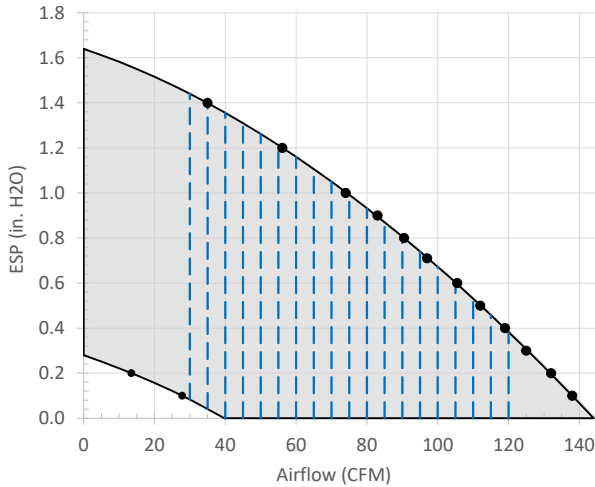
**Boost-mode: Maximum airflow achievable in boost-mode when continuous airflow set point is below max rating.

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

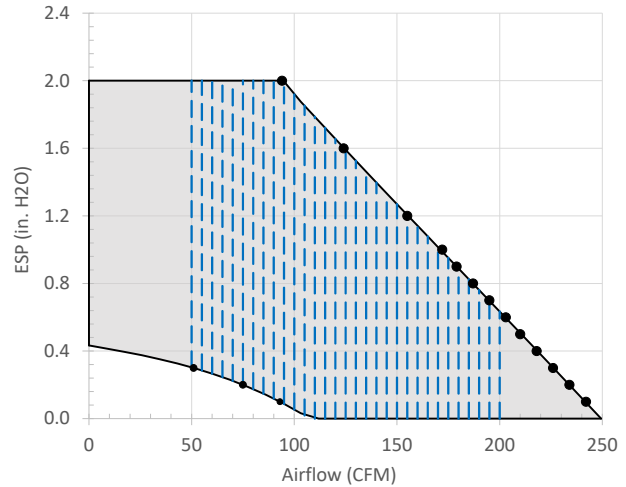
AIRFLOW PERFORMANCE CURVES

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

EV PREMIUM+ S/SH



EV PREMIUM+ M/MH



BUILDER AND CONTRACTOR BENEFITS

Designed to create a more economical, easier, and faster installation process, our EV Premium+ ERVs were designed with contractors and builders in mind:

Cost-savings: When not required by local standards or requested by homeowners, an EV Premium+ can operate without the Touchscreen Control+ accessory. For multifamily applications or developments, builders may opt to **use just one TC1+ to setup every EV Premium+ ERV in the building/neighborhood**—saving on overall project costs.

Quicker ERV installation: The Touchscreen Control+ accessory facilitates quicker ERV installation via a **step-by-step guide**. The onscreen guide will prompt the selection of constant volume setpoints in increments of 5 CFM for low and high speed airflows. Setup includes the ability to select continuous or intermittent ventilation and operating runtime. It also accommodates mirrored installations.

IECC Requirements: The EV Premium+ Series with TC1+ also **exempts it from costly certified third-party start-up commissioning** mandated by the International Energy Conservation Code's (IECC) 2024 edition. The control platform qualifies as an "integrated diagnostic tool used for airflow measurement and user interface that communicates the installed airflow rate," according to IECC requirements.

Smart Logic and Diagnostic Capabilities: The platform ensures that an EV Premium+ unit functions exactly as originally set up, years after installation. For example, the system will adjust fans **automatically to maintain constant volume airflow**. And, if the system is unable to hold airflows at its setpoints it will indicate a corresponding fault, reducing costly overall service time.



HOMEOWNER BENEFITS

The EV Premium+ line has many options for homeowners to take charge and improve their indoor air quality (IAQ):

Touchscreen Control+ (TC1+): A wall-mounted 4-inch color touchscreen control accessory, single and multi-family home occupants can **easily adjust ventilation modes** based on internal or external air quality needs as well as their personal preferences.

Flexible Ventilation Options: Occupants can use the touchscreen to activate an **on-demand boost-mode timer** for a range of timed options at the high speed setpoint during substandard IAQ events. When outside air conditions deteriorate, for example with high levels of 2.5 PM from wildfires, the homeowner can temporarily activate standby mode shutting down both supply and exhaust ventilation. While in standby mode, when ventilation is activated by any control (e.g. countdown timer in the bathroom), only the exhaust fan will be activated. Once outside conditions become favorable, the homeowner can disengage standby mode and revert back to standard operation.