NEW!

EV SERIES PREMIUM

SINGLE/MULTI-FAMILY, LIGHT COMMERCIAL

- 30–280 CFM
- Residential ERV certified for commercial-grade applications
- Features: EC motors (standard), boost-mode capability, dial-a-flow controls, plug-in power
- MERV 13 filter accessory

RenewAire®
Energy Recovery Ventilation
Buildings get tighter to seal weather out, they seal out outdoor air which is often two to five times—and up to 100 times—more polluted than indoor air but spend, on average, 90% of their time indoors.1, and indoor air quality has very real impacts on health and cognitive function.2

New construction standards, known as ASHRAE 62.2, require homes to have a minimum ventilation airflow to maintain indoor air quality that is balanced and appropriate for each home.3

See the chart below to calculate the minimum ventilation required for your home: .03 x sq. ft. + 7.5(bedroom +1). For example, a 2,200 sq. ft. home with 4 bedrooms requires a minimum of 104 CFM.

* Infiltration credit not considered, please contact RenewAire to assist in selecting a unit that is best suited for your home.

RENEWAIRE PREMIUM

Our ERVs moderate the extremes of outdoor supply-air temperature and humidity year-round, providing a sustainable ventilation solution for every climate.

In summer, the warm, humid outside air is precooled and dehumidified by the outgoing cool interior air and replaces it with fresh, conditioned and filtered outdoor air.

In winter, the cold, dry outside air is preheated and humidified by the outgoing warm interior air.

Our EV Series Premium ERVs incorporate high-efficiency EC motors to reduce California energy code. The EV Series Premium ERVs also include a new Dial-A-Flow controller that allows users to set airflow for maximum comfort. In addition, these ERVs have boost mode capabilities with MERV 13 filters as an accessory to further enhance IAQ.

ASHRAE 62.2

The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) ASHRAE 62.2 committee has established a residential ventilation standard. The goal of this standard and its continuous revisions are to set ventilation rates that are suitable for indoor air quality and energy efficiency.

Evolutionary Maintenance: A Sustainable Approach to Ventilation

Ventilation airflow helps prevent indoor air pollutants from accumulating by providing fresh, conditioned outdoor air.

Find a unit that is best suited for your home.

Innovative Construction

Cleanable foil media

Non-conductive dual metal composite media

MERV 8 filters as an accessory

MERV 13 filters as an accessory

MERV 8, MERV 13 filters

MERV 8, MERV 13

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

The EV Series Premium ERVs are indoor units for single-family, multi-family and light-commercial applications. With two units available, a wide airflow range and boost mode, these ERVs are the perfect choice for a variety of applications.

<table>
<thead>
<tr>
<th></th>
<th>EV PREMIUM M</th>
<th>EV PREMIUM L</th>
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</thead>
<tbody>
<tr>
<td>POWER SUPPLY</td>
<td>Line cord</td>
<td>Line cord</td>
</tr>
<tr>
<td>AIRFLOW RANGE</td>
<td>30–225 CFM</td>
<td>30–280 CFM</td>
</tr>
<tr>
<td>BOOST-MODE COMPATIBLE</td>
<td>Yes*</td>
<td>Yes*</td>
</tr>
<tr>
<td>LENGTH</td>
<td>22 1/2&quot;</td>
<td>22 1/2&quot;</td>
</tr>
<tr>
<td>WIDTH</td>
<td>12 5/8&quot;</td>
<td>23 5/8&quot;</td>
</tr>
<tr>
<td>HEIGHT</td>
<td>23 3/4&quot;</td>
<td>23 3/4&quot;</td>
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<tr>
<td>ESTIMATED WEIGHT</td>
<td>36 lbs.</td>
<td>52 lbs.</td>
</tr>
<tr>
<td>MOUNT</td>
<td>Ceiling Bracket/Wall Bracket</td>
<td>Ceiling Bracket/Wall Bracket</td>
</tr>
<tr>
<td>EC MOTOR</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>FILTER</td>
<td>MERV 8, MERV 13</td>
<td>MERV 8, MERV 13</td>
</tr>
<tr>
<td></td>
<td>(supply outside air only for MERV 13)</td>
<td>(supply outside air only for MERV 13)</td>
</tr>
<tr>
<td>CORE WARRANTY</td>
<td>10-year</td>
<td>10-year</td>
</tr>
<tr>
<td>UNIT WARRANTY</td>
<td>5-year</td>
<td>5-year</td>
</tr>
<tr>
<td>FAN EFFICIENCY</td>
<td>2.10 CFM/watt at 101 CFM (0.2&quot; ESP)</td>
<td>2.7 CFM/Watt at 121 CFM (0.2&quot; ESP)</td>
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<tr>
<td>CERTIFICATIONS</td>
<td>[HVI CERTIFIED]</td>
<td>[HVI CERTIFIED]</td>
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</tbody>
</table>

*Boost mode: Maxed airflow achievable in boost mode when continuous airflow set point is below max rating.
INSTALLATION & MAINTENANCE

INSTALLATION
Installation of the EV Series Premium ERVs is simple and straightforward. Similar to the EV130, the EV Series Premium can be mounted in any orientation. Further, the RA/EA airstream can be switched with the OA/FA airstream.

The furnace blower must be operated any time the ERV is operated. Use furnace fan “on” continuous low speed or optional FM control to cycle furnace fan on ERV.

CONTROL STRATEGIES

Interlock with Air Handler

Single Control

Multiple Controls

PBT or PTL with PBL

MAINTENANCE
Disposable filters should be checked and replaced as needed. Additionally, once a year, vacuum the four core faces using a soft brush. The RenewAire core does not need to be washed, as particulates do not accumulate in the core.