## TABLE OF CONTENTS

### LOW PROFILE MULTI-FAMILY RESIDENTIAL/LIGHT COMMERCIAL

<table>
<thead>
<tr>
<th>SL SERIES—UNITARY ERV</th>
<th>CFM RANGE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL75</td>
<td>30–130 CFM</td>
<td>7–9</td>
</tr>
</tbody>
</table>

### RETROFIT RESIDENTIAL (FORCED AIR SYSTEMS)

<table>
<thead>
<tr>
<th>BR SERIES—UNITARY (TWO DUCT) ERV</th>
<th>CFM RANGE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BR70</td>
<td>40–70 CFM</td>
<td>10</td>
</tr>
<tr>
<td>BR130</td>
<td>50–140 CFM</td>
<td>11</td>
</tr>
</tbody>
</table>

### RESIDENTIAL/LIGHT COMMERCIAL

#### EV SERIES—UNITARY ERV

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>CFM RANGE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV Premium S</td>
<td>Consumer/Contractor-Grade, Four-Duct Connection Line-Cord Power Supply or Hard Wired to Junction Box (H)</td>
<td>30–130 CFM</td>
<td>12–14</td>
</tr>
<tr>
<td>EV Premium M</td>
<td>Consumer/Contractor-Grade, Four-Duct Connection Line-Cord Power Supply or Hard Wired to Junction Box (H)</td>
<td>30–225 CFM</td>
<td>15–17</td>
</tr>
<tr>
<td>EV Premium L</td>
<td>Consumer/Contractor-Grade, Four-Duct Connection Line-Cord Power Supply or Hard Wired to Junction Box (H)</td>
<td>30–280 CFM</td>
<td>18–20</td>
</tr>
<tr>
<td>EV Premium X</td>
<td>Consumer/Contractor-Grade, Four-Duct Connection Line-Cord Power Supply or Hard Wired to Junction Box (H)</td>
<td>100–390 CFM</td>
<td>21–23</td>
</tr>
<tr>
<td>EV90</td>
<td>Consumer-Grade, Four-Duct Connection Line-Cord Power Supply</td>
<td>40–110 CFM</td>
<td>24</td>
</tr>
<tr>
<td>EV130</td>
<td>Consumer-Grade, Four-Duct Connection Line-Cord Power Supply</td>
<td>50–140 CFM</td>
<td>25</td>
</tr>
<tr>
<td>EV200</td>
<td>Consumer-Grade, Four-Duct Connection Line-Cord Power Supply</td>
<td>100–200 CFM</td>
<td>26</td>
</tr>
</tbody>
</table>

### CONTRACTOR GRADE RESIDENTIAL

#### GR SERIES—UNITARY ERV

<table>
<thead>
<tr>
<th>MODEL</th>
<th>TYPE</th>
<th>CFM RANGE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>GR90</td>
<td>Contractor-Grade, Four-Duct Connection Field Wired to Terminal Block</td>
<td>40–110 CFM</td>
<td>27</td>
</tr>
</tbody>
</table>
Deficient indoor air quality is a threat

As buildings get tighter to seal weather out, they seal in contaminants, causing deficient indoor air quality (IAQ). Typical contaminants include off-gassing from carpeting, furniture and building materials, excess humidity and mold, odors, cooking and cleaning fumes, CO2, hair and fibers, to name a few.

Deficient IAQ is a threat since it can harm occupant health and cognitive function, damage structures and hurt the bottom line. It’s especially concerning since people spend about 90% of their time indoors, and indoor air can be two to five times—and up to 100 times—more polluted than outdoor air. The EPA ranks indoor air pollution as a top-five health risk.

About RenewAire

For over 40 years, RenewAire has been a pioneer in enhancing IAQ in commercial and residential buildings of every size. This is achieved while maximizing sustainability through our fifth-generation, enthalpic-core, static-plate Energy Recovery Ventilators (ERVs) and Dedicated Outdoor Air Systems (DOAS) that optimize energy efficiency, lower capital costs and decrease operational expenses by reducing HVAC loads therefore minimizing equipment needs, resulting in significant energy savings. Our ERVs/DOAS are competitively priced, simple to install, easy to use and maintain, have a quick payback and enjoy the industry’s best warranty with the lowest claims due to long-term reliability. In 2010, RenewAire joined the Soler & Palau (S&P) Ventilation Group, providing direct access to the latest in energy-efficient air-moving technologies. For more information, visit: renewaire.com.

Adverse effects of deficient IAQ

Health Problems

Deficient IAQ can cause allergies, headaches, coughs, asthma, skin irritations and breathing difficulties, as well as cancer, liver disease, kidney damage and nervous-system failure.

Disease Transmission

Ventilation with outdoor air is vital to diluting airborne contaminants and decreasing disease transmission rates.

Cognitive Impairment

Harvard and Berkeley Lab found that CO2—a constituent of exhaled breath—negatively impacts thinking and decision-making at levels commonly found indoors.

Reduced Productivity

Berkeley Lab found that deficient IAQ can cost $200 billion in debilitated worker performance and $58 billion in lost sick time.


Ventilation can enhance IAQ and decrease the transmission of airborne infectious diseases, including COVID-19: https://bit.ly/COVID19WP_22
EVERY GEOGRAPHIC REGION
Our ERVs excel in every geographic region.

EVERY CLIMATE
Our ERVs operate in every climate—from Alaska to Florida, and everywhere in between.

EVERY PROJECT
From massive skyscrapers to cozy residential homes, our ERVs can be used in every size project and in every code jurisdiction.

RELEVANT EVERYWHERE

When indoor occupants breathe in unclean air, this harms their health and causes cognitive impairment. Our ERVs can provide cleaner and healthier indoor air for every type of building in the world, thus improving occupants’ wellbeing, while also reducing energy costs.

RESIDENTIAL
The increased airtightness of newer and remodeled homes is causing deficient IAQ, resulting in more health problems for indoor occupants.

COMMERCIAL
As commercial buildings become more airtight, deficient IAQ is increasing and causing sickness, absenteeism and decreased productivity.

HEALTHCARE
The high occupant density of hospitals, nursing homes and other healthcare facilities results in deficient IAQ and ensuing health problems for patients and staff alike.

RESTAURANTS/COFFEE SHOPS
The large volume of indoor occupants in restaurants and coffee shops causes deficient IAQ and subsequent health problems.

RETAIL
The high level of foot traffic in retail stores leads to deficient IAQ and the potential sickness of shoppers, which can negatively impact sales.

DAYCARE
Crowded daycare facilities breed deficient IAQ, thus causing health problems for everyone—especially children who are more vulnerable.

EDUCATION (K-12, COLLEGE/UNIVERSITY)
With students and teachers packed into tight classrooms, instances of deficient IAQ go up, resulting in academic performance and test scores going down.

GOVERNMENT
Aging and crowded government buildings result in deficient IAQ, which can impair worker performance and productivity.

EVERY TYPE OF BUILDING
Every type of building can benefit from the enhanced IAQ generated by RenewAire ERVs, including veterinary clinics, nail salons and manufacturing facilities, among others.
RENEWAIRE ERVs
ACHIEVE SUSTAINABLE IAQ

OPTIMIZING ENERGY EFFICIENCY IN EVERY GEOGRAPHIC REGION OR CLIMATE
RenewAire residential ERVs are a sustainable ventilation solution. Our static-plate, cross-flow core separates the outgoing, polluted indoor airstream from the incoming fresh airstream—while simultaneously transferring total energy (heat and water vapor) between the two. Airstreams do not mix and pollutants are not transferred across partition plates. In the winter, that means that the cold, dry outside air is preheated and humidified by the outgoing warm interior air. And in the summer, the warm, humid outside air is precooled and dehumidified by the outgoing air-conditioned interior air.

AIRSTREAMS DO NOT MIX & POLLUTANTS ARE NOT TRANSFERRED ACROSS PARTITION PLATES

GREEN BUILDING TRENDS
High-performance, green-building standards seek to reduce energy use and increase ventilation to improve health, wellness, IAQ and indoor environmental quality (IEQ). Sustainable design initiatives like ASHRAE Standard 189.1, LEED, 2030 Challenge, Living Building Challenge and WELL Building Standard have grown in popularity among architects, engineers, contractors and building owners alike.

RenewAire ventilation technologies create healthier and more comfortable indoor environments, while optimizing energy efficiency. This is done by reusing otherwise-wasted total energy from the exhaust air to condition incoming outdoor air. The results are exceptional IAQ, IEQ, energy reductions and cost savings.
WHY RENEWAIRE IS PREFERRED

BEST VALUE
• Priced competitively against other energy recovery ventilation technology
• Due to competitive pricing and decreased costs, payback is short and ROI is maximized
• Contractors and OEMs can pass these significant savings along to their customers
• End users can benefit from a significantly reduced operating cost

RELIABLE OPERATION
• Built-to-last ERVs have lifespans of 25+ years and operate consistently year-round in every extreme, including frost-free performance in all but the most severe winter climates
• High-efficiency core operates dry in all conditions, meaning no condensate pans
• An industry-leading ten-year warranty for the static-plate core, two-year warranty for commercial products

HIGHEST-QUALITY INDOOR AIR
• Stale indoor air is replaced with fresh, conditioned and filtered air from the outside, resulting in enhanced IAQ by removing harmful contaminants
• Airstreams do not mix and pollutants are not transferred across partition plates
• No biocide used; material does not promote biological growth
• Moderated temperatures and humidity maintain a comfortable indoor environment
• Superior product quality results in paramount reliability and longevity

OPTIMIZED ENERGY EFFICIENCY
• Efficient heat and humidity transfer recaptures up to 70–80% of the energy exhausted in the airstream
• Energy that’s otherwise wasted by conventional ventilation systems (such as bath fans) is reused, thus dramatically reducing monthly operation costs
• Energy-efficient operation decreases HVAC loads, which cuts down on energy use and costs
• The hotter or colder the climate, the more energy is recovered

HIGHLY CERTIFIED
• RenewAire products are highly certified. See individual catalog submittal for certification details:
  • UL
  • cUL
  • ETL
  • AHRI
  • HVI
ENERGY RECOVERY VENTILATOR
EC MOTOR

SPECIFICATIONS

Ventilation Type:
Static plate, heat and humidity transfer

Typical Airflow Range: 30–130 CFM

Unit is HVI Tested/Certified per CSA C439 Protocol:
Using one L-30-G5 Core

Standard Features:
White painted cabinet
Line-cord power supply or hard wired to junction box (H)
Low-voltage circuit for controls
Unit may be mounted in any orientation
Cross-core differential pressure ports
Dial-A-Flow: balance and airflow adjustment
Variable speed
Boost-mode

Controls:
Onboard digital controller with independent variable speeds

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

Unit Weight:
35 lbs.

Max. Shipping Dimensions & Weight (in carton):
31 1/4" L x 22 3/8" W x 14 3/8" H
41 lbs.

Units Per Pallet: 10

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 galvanneal
Louvered wall vent with 8" round duct connection: 12" W x 8" H
Digital time clock: wall mount (TC7D-W), in exterior enclosure (TC7D-E)
Carbon dioxide sensor/control: wall mount (CO2-W)
IAQ sensor: wall mount (IAQ-W)
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)
BACnet fan control: wall mount (BACNETFC-W)
Push-button point-of-use controls (PBL), PTL req’d.
MERV 13 filter: OA airstream (shipped loose)
Wall bracket kit
Electric duct heater: RH series (1–4 kW); designed for indoor ductwork installation only

ELECTRICAL DATA

<table>
<thead>
<tr>
<th>Watts</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>FLA per motor</th>
<th>Minimum Circuit Amps</th>
<th>Max Overcurrent Protection Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>0.85</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

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 on pg. 46 of Single/Multi-Family Catalog and at hvi.org.

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.

EC MOTOR OPERATING RANGE AND CORE PERFORMANCE

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
<th>Unit Power Consumption (Watts)</th>
<th>Sensible EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>138</td>
<td>0.10</td>
<td>135</td>
<td>62</td>
<td>54/36</td>
</tr>
<tr>
<td>131</td>
<td>0.20</td>
<td>134</td>
<td>64</td>
<td>55/38</td>
</tr>
<tr>
<td>125</td>
<td>0.30</td>
<td>133</td>
<td>65</td>
<td>57/40</td>
</tr>
<tr>
<td>117</td>
<td>0.40</td>
<td>132</td>
<td>66</td>
<td>59/42</td>
</tr>
<tr>
<td>110</td>
<td>0.50</td>
<td>131</td>
<td>68</td>
<td>60/44</td>
</tr>
<tr>
<td>102</td>
<td>0.60</td>
<td>129</td>
<td>69</td>
<td>62/46</td>
</tr>
<tr>
<td>95</td>
<td>0.70</td>
<td>126</td>
<td>71</td>
<td>64/48</td>
</tr>
<tr>
<td>87</td>
<td>0.80</td>
<td>123</td>
<td>72</td>
<td>66/51</td>
</tr>
<tr>
<td>78</td>
<td>0.90</td>
<td>119</td>
<td>74</td>
<td>68/53</td>
</tr>
<tr>
<td>68</td>
<td>1.00</td>
<td>114</td>
<td>76</td>
<td>70/56</td>
</tr>
<tr>
<td>49</td>
<td>1.20</td>
<td>102</td>
<td>79</td>
<td>75/61</td>
</tr>
<tr>
<td>21</td>
<td>1.40</td>
<td>64</td>
<td>85</td>
<td>81/69</td>
</tr>
</tbody>
</table>

Min. Speed
<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
<th>Unit Power Consumption (Watts)</th>
<th>Sensible EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>0.10</td>
<td>11</td>
<td>84</td>
<td>80/68</td>
</tr>
<tr>
<td>11</td>
<td>0.20</td>
<td>9</td>
<td>87</td>
<td>83/72</td>
</tr>
</tbody>
</table>

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 on pg. 46 of Single/Multi-Family Catalog and at hvi.org.

Factory settings
1. High speed set to top curve
2. Low speed set to ~90CFM at 0.4 in. w.g. ESP
SL75H
ENERGY RECOVERY VENTILATOR
EC MOTOR

ABBREVIATIONS
EA: Exhaust Air to outside
RA: Room Air to be exhausted
SA: Supply 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.

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

AVAILABLE AS SHOWN IN DIMENSION DRAWING.

SL75H ENERGY RECOVERY VENTILATOR
EC MOTOR
**ENERGY RECOVERY VENTILATOR**

**SPECIFICATIONS**

- **Ventilation Type:** Static plate, heat and humidity transfer
- **Typical Airflow Range:** 40–70 CFM
- **Unit Tested to CSA C439 Protocol:** Using one L-30-8S Core
- **Energy Recovery Ventilator**
  - **Typical Airflow Range:** 40–70 CFM
  - **Unit is Tested to CSA C439 Protocol:** Using one L-30-8S Core
  - **Standard Features:**
    - White painted cabinet
    - Line-cord power supply
    - Built-in control
    - Unit may be mounted in any orientation
    - Cross-core differential pressure ports
  - **Control:**
    - Built-in proportional runtime control and switched terminals for furnace/AC interconnect
  - **Filters:**
    - Total qty. 2, MERV 8, spun-polyester media: 7 1/2” x 10 1/2” x 1”
  - **Unit Weight:** 38 lbs.
- **Max. Shipping Dimensions & Weight (in carton):**
  - 30” L x 22” W x 15” H
  - 50 lbs.
- **Units Per Pallet:** 10
- **Motor(s):**
  - Qty. 1, Double-shaft standard motor
- **Accessories:**
  - Backdraft damper: 6”, 8”
  - Automatic balancing damper: 4”, 5”, 6”
  - Motorized Dampers: 6”
  - Concentric Vent: 6” (CV6-110)
  - Louvered wall vent 6”: white, brown
  - Exterior thru-the-wall installation kit
  - Duct collar kit (two collars)
  - MERV 13 filter: OA airstream (shipped loose)
  - Electric duct heater: RH series (1–3 kW); designed for indoor ductwork installation only

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>HP</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>Watts</th>
<th>FLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.08</td>
<td>120</td>
<td>60</td>
<td>Single</td>
<td>94 @ 69 CFM</td>
<td>1.0</td>
</tr>
</tbody>
</table>

**UNIT PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>0.40</td>
</tr>
<tr>
<td>59</td>
<td>0.30</td>
</tr>
<tr>
<td>73</td>
<td>0.20</td>
</tr>
<tr>
<td>86</td>
<td>0.10</td>
</tr>
</tbody>
</table>

**UNIT DIMENSIONS**

**Airflow Orientation**

Available as shown in dimension drawing.

**Unit Mounting & Application**

Can be mounted in any orientation. If duct-mounted, airstreams cannot be switched. If mounted with exterior Thru-the-wall installation kit, the RA/EA airstreams are switched with the OA/SA airstreams. If four ducts are connected using duct collar kit, airstreams may be switched.

**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.

**Note:** These are core-only ratings and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 98/78wb OA and 75/63wb RA (summer). See performance ratings per CSA C439 on pg. 48 of Single/Multi-Family Catalog.

**CORE PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>Temp EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>80</td>
<td>75/82</td>
</tr>
<tr>
<td>59</td>
<td>77</td>
<td>72/58</td>
</tr>
<tr>
<td>73</td>
<td>75</td>
<td>69/54</td>
</tr>
<tr>
<td>86</td>
<td>72</td>
<td>66/51</td>
</tr>
</tbody>
</table>

**Note:** UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
**ENERGY RECOVERY VENTILATOR**

**SPECIFICATIONS**

- **Unit Weight:** 48 lbs.
- **Max. Shipping Dimensions & Weight (in carton):** 32" L x 22" W x 18" H, 60 lbs.
- **Units Per Pallet:** 8
- **Motor(s):** Qty. 1, Double-shaft standard motor
- **Accessories:**
  - Backdraft damper: 6", 8"
  - Automatic balancing damper: 4", 5", 6"
  - Motorized Dampers: 6"
  - Concentric Vent: 6" (CV6-110)
  - Louvered wall vent 6": white, brown
  - Exterior thru-the-wall installation kit
  - Duct collar kit (two collars)
  - MERV 13 filter: OA airstream (shipped loose)
  - Electric duct heater: RH series (1–5 kW); designed for indoor ductwork installation only

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>HP</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>Watts</th>
<th>FLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>120</td>
<td>60</td>
<td>Single</td>
<td>121 @ 124 CFM</td>
<td>1.3</td>
</tr>
</tbody>
</table>

**UNIT PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>0.70</td>
</tr>
<tr>
<td>68</td>
<td>0.60</td>
</tr>
<tr>
<td>93</td>
<td>0.50</td>
</tr>
<tr>
<td>112</td>
<td>0.40</td>
</tr>
<tr>
<td>131</td>
<td>0.30</td>
</tr>
<tr>
<td>140</td>
<td>0.20</td>
</tr>
<tr>
<td>148</td>
<td>0.10</td>
</tr>
</tbody>
</table>

**CORE PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>Temp EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>82</td>
<td>78/65</td>
</tr>
<tr>
<td>68</td>
<td>80</td>
<td>75/61</td>
</tr>
<tr>
<td>93</td>
<td>76</td>
<td>71/56</td>
</tr>
<tr>
<td>112</td>
<td>74</td>
<td>68/53</td>
</tr>
<tr>
<td>131</td>
<td>71</td>
<td>65/49</td>
</tr>
<tr>
<td>140</td>
<td>70</td>
<td>63/47</td>
</tr>
<tr>
<td>148</td>
<td>69</td>
<td>62/46</td>
</tr>
</tbody>
</table>

**UNIT DIMENSIONS**

**AIRFLOW ORIENTATION**

Available as shown in dimension drawing.

**UNIT MOUNTING & APPLICATION**

Can be mounted in any orientation. If duct-mounted, airstreams cannot be switched. If mounted with exterior Thru-the-wall installation kit, the RA/EA airstreams are switched with the OA/SA airstreams. If four ducts are connected using duct collar kit, airstreams may be switched.

**ABBREVIATIONS**

- EA: Exhaust Air to outside
- OA: Outside Air intake
- RA: Room Air to be exhausted
- SA: Supply Air to inside
- DH: Duct Hung

**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. PRESSURE PORTS FOR EACH AIR STREAM ARE LOCATED ON DOOR OF UNIT.
3. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

**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.
EC MOTOR OPERATING RANGE AND CORE PERFORMANCE

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
<th>Unit Power Consumption (Watts)</th>
<th>Sensible EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Speed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>138</td>
<td>0.10</td>
<td>137</td>
<td>62</td>
<td>54/36</td>
</tr>
<tr>
<td>131</td>
<td>0.20</td>
<td>136</td>
<td>64</td>
<td>55/38</td>
</tr>
<tr>
<td>125</td>
<td>0.30</td>
<td>134</td>
<td>65</td>
<td>57/40</td>
</tr>
<tr>
<td>119</td>
<td>0.40</td>
<td>133</td>
<td>66</td>
<td>58/41</td>
</tr>
<tr>
<td>112</td>
<td>0.50</td>
<td>133</td>
<td>67</td>
<td>60/43</td>
</tr>
<tr>
<td>106</td>
<td>0.60</td>
<td>130</td>
<td>68</td>
<td>61/45</td>
</tr>
<tr>
<td>97</td>
<td>0.70</td>
<td>128</td>
<td>70</td>
<td>63/48</td>
</tr>
<tr>
<td>91</td>
<td>0.80</td>
<td>124</td>
<td>71</td>
<td>65/49</td>
</tr>
<tr>
<td>83</td>
<td>0.90</td>
<td>121</td>
<td>73</td>
<td>67/52</td>
</tr>
<tr>
<td>74</td>
<td>1.00</td>
<td>116</td>
<td>75</td>
<td>69/54</td>
</tr>
<tr>
<td>56</td>
<td>1.20</td>
<td>98</td>
<td>78</td>
<td>73/59</td>
</tr>
<tr>
<td>35</td>
<td>1.40</td>
<td>85</td>
<td>82</td>
<td>78/65</td>
</tr>
<tr>
<td>Min. Speed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>0.10</td>
<td>13</td>
<td>83</td>
<td>79/67</td>
</tr>
<tr>
<td>13</td>
<td>0.20</td>
<td>12</td>
<td>86</td>
<td>83/71</td>
</tr>
</tbody>
</table>

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 on pg. 46 of Single/Multi-Family Catalog and at hvi.org.

ELECTRICAL DATA

<table>
<thead>
<tr>
<th>Watts</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>FLA per motor</th>
<th>Minimum Circuit Amps</th>
<th>Max Overcurrent Protection Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>0.85</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>
**SPECIFICATIONS & DIMENSIONS**

**EV PREMIUM S**  
**ENERGY RECOVERY VENTILATOR**  
**EC MOTOR**

**AIRCirculation**  
EA: Exhaust Air to outside  
OA: Outside Air intake  
RA: Room Air to be exhausted  
SA: Supply Air to inside  

**INSTALLATION ORIENTATION**  
Unit may be installed in any orientation.

**NOTE**  
Dimensions are rounded to the nearest eight of an inch.

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

**UNIT MOUNTING & APPLICATION**

**TOP VIEW**
- 22 1/2" Overall
- 18" Case
- 2 1/4" Typical
- 24V AC Control Terminal
- 34" Line Cord
- (4) Typical Pressure Ports

**RIGHT VIEW**
- 22 1/4" Minimum Service Area
- Door Swing
- 2 1/4" Typical
- 11 3/4" Typical
- 5 3/4" Typical
- 5 3/4" Typical
- 6 1/4" Typical
- 2 5/8" Typical
- 7 11/16" Typical
- 2 7/8" Overall
- 21 7/8"
- 21 7/8" (with Hanging Bracket)
- 23 3/4" Overall

**LEFT VIEW**
- 25 1/2" Overall (with Hanging Bracket)
- 2 1/2"
- 3/8" Typical
- 7/8" Typical
- 7/8" Typical

**ABBRIVIATIONS**
- EA: Exhaust Air to outside
- OA: Outside Air intake
- RA: Room Air to be exhausted
- SA: Supply Air to inside

**INSTALLATION ORIENTATION**
Unit may be installed in any orientation.

**NOTE**
- Unless otherwise specified, dimensions are rounded to the nearest eight of an inch.
- Specifications may be subject to change without notice.

**RENEWAIRE.COM | 1.800.627.4499**
**EV PREMIUM SH**

**ENERGY RECOVERY VENTILATOR**

**EC MOTOR**

---

**SPECIFICATIONS & DIMENSIONS**

**RESIDENTIAL/LIGHT COMMERCIAL**

**AIRFLOW ORIENTATION**

Available as shown in dimension drawing.

**UNIT MOUNTING & APPLICATION**

Can be mounted in any orientation. RA/EA airstream can be switched with OA/SA airstream.

---

**ABBREVIATIONS**

EA: Exhaust Air to outside

OA: Outside Air intake

RA: Room Air to be exhausted

SA: Supply 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.

---

**MODEL: EV Premium SH**

**DRAWING TYPE:** Unit Dimension

**VERSION:** NOV23

---

**TOP VIEW**

---

**LEFT VIEW**

---

**RIGHT VIEW**

---

**FRONT VIEW**

---

**Pressure Ports**

(4) Typ.

**Power Outlet Box**

Ø 7/8" Knockouts

**Case**

22 1/4" Minimum

Service Area

Door can be Removed from Hinges.

21 3/4" Minimum

Service Area

Door Swing

22 1/4" Minimum

---

**SPECIFICATIONS & DIMENSIONS**

**RESIDENTIAL/LIGHT COMMERCIAL**

**AIRFLOW ORIENTATION**

Available as shown in dimension drawing.

**UNIT MOUNTING & APPLICATION**

Can be mounted in any orientation. RA/EA airstream can be switched with OA/SA airstream.

---

**ABBREVIATIONS**

EA: Exhaust Air to outside

OA: Outside Air intake

RA: Room Air to be exhausted

SA: Supply 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.
**ENERGY RECOVERY VENTILATOR**

**EC MOTOR**

**SPECIFICATIONS & DIMENSIONS**

**RESIDENTIAL/LIGHT COMMERCIAL**

**SPECIFICATIONS**

- **Ventilation Type:** Static plate, heat and humidity transfer
- **Typical Airflow Range:** 30–225 CFM
- **Unit is HVI Tested/Certified per CSA C439**
- **Protocol:** Using one L-50-G5 Core
- **Standard Features:**
  - White painted cabinet
  - Line-cord power supply or hard wired to junction box (H)
  - Low-voltage circuit for controls
  - Unit may be mounted in any orientation
  - Cross-core differential pressure ports
  - Dial-A-Flow: balance and airflow adjustment
  - Variable speed
  - Boost-mode
- **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:** 36 lbs.
- **Max. Shipping Dimensions & Weight (in carton):**
  - 32" L x 22" W x 18" H
  - 48 lbs.
- **Units Per Pallet:** 8

**EC MOTOR OPERATING RANGE AND CORE PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (inches Water Column)</th>
<th>Unit Power Consumption (Watts)</th>
<th>Sensible EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>242</td>
<td>0.10</td>
<td>191</td>
<td>57</td>
<td>47/28</td>
</tr>
<tr>
<td>233</td>
<td>0.20</td>
<td>190</td>
<td>58</td>
<td>48/29</td>
</tr>
<tr>
<td>227</td>
<td>0.30</td>
<td>189</td>
<td>59</td>
<td>49/31</td>
</tr>
<tr>
<td>218</td>
<td>0.40</td>
<td>189</td>
<td>60</td>
<td>50/32</td>
</tr>
<tr>
<td>210</td>
<td>0.50</td>
<td>190</td>
<td>61</td>
<td>52/34</td>
</tr>
<tr>
<td>203</td>
<td>0.60</td>
<td>192</td>
<td>62</td>
<td>53/35</td>
</tr>
<tr>
<td>195</td>
<td>0.70</td>
<td>189</td>
<td>63</td>
<td>54/37</td>
</tr>
<tr>
<td>186</td>
<td>0.80</td>
<td>191</td>
<td>64</td>
<td>56/38</td>
</tr>
<tr>
<td>180</td>
<td>0.90</td>
<td>189</td>
<td>65</td>
<td>57/40</td>
</tr>
<tr>
<td>172</td>
<td>1.00</td>
<td>190</td>
<td>66</td>
<td>58/42</td>
</tr>
<tr>
<td>155</td>
<td>1.20</td>
<td>191</td>
<td>68</td>
<td>61/45</td>
</tr>
<tr>
<td>124</td>
<td>1.60</td>
<td>190</td>
<td>72</td>
<td>66/51</td>
</tr>
<tr>
<td>92</td>
<td>2.00</td>
<td>190</td>
<td>77</td>
<td>71/57</td>
</tr>
</tbody>
</table>

**Min. Speed**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (inches Water Column)</th>
<th>Unit Power Consumption (Watts)</th>
<th>Sensible EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>93</td>
<td>0.10</td>
<td>74</td>
<td>76</td>
<td>71/57</td>
</tr>
<tr>
<td>75</td>
<td>0.20</td>
<td>68</td>
<td>79</td>
<td>74/60</td>
</tr>
<tr>
<td>51</td>
<td>0.30</td>
<td>58</td>
<td>82</td>
<td>78/65</td>
</tr>
</tbody>
</table>

**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 95/79wb OA and 75/63wb RA (summer). HVI ratings apply to complete units only. This unit is HVI certified. See HVI certified ratings on pg. 46 of Single/Multi-Family Catalog and at hvi.org.

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>Watts</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>FLA per motor</th>
<th>Minimum Circuit Amps</th>
<th>Max Overcurrent Protection Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>85</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>1.22</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

**AWARD WINNING**

**EV PREMIUM MH**

TechHome Builder’s 2023 Brilliance Award

**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.

**INDOOR UNIT**

**SPECIFICATIONS & DIMENSIONS**

- **Ventilation Type:** Static plate, heat and humidity transfer
- **Typical Airflow Range:** 30–225 CFM
- **Unit is HVI Tested/Certified per CSA C439**
- **Protocol:** Using one L-50-G5 Core
- **Standard Features:**
  - White painted cabinet
  - Line-cord power supply or hard wired to junction box (H)
  - Low-voltage circuit for controls
  - Unit may be mounted in any orientation
  - Cross-core differential pressure ports
  - Dial-A-Flow: balance and airflow adjustment
  - Variable speed
  - Boost-mode
- **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:** 36 lbs.
- **Max. Shipping Dimensions & Weight (in carton):**
  - 32" L x 22" W x 18" H
  - 48 lbs.
- **Units Per Pallet:** 8

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

**Accessories:**
- Backdraft damper: 6", 8"
- Automatic balancing damper: 4", 5", 6"
- Motorized Damper: 6", 8"
- Concentric Vent: 6" (CV6-110)
- Louvered wall vent 6": white, brown
- Louvered wall vent 8": taupe vinyl, galvanized, paintable galvanneal
- Louvered wall vent with 8" round duct connection:
  - 12" W x 8" H
- Hooded wall vent 8": galvanized, paintable galvanneal
- 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-buttonboost 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 (1–6 kW)
- Designed for indoor ductwork installation only
EV PREMIUM M ENERGY RECOVERY VENTILATOR EC MOTOR

SPECIFICATIONS & DIMENSIONS

AIRFLOW ORIENTATION
Available as shown in dimension drawing.

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

ABBREVIATIONS
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply 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 can be switched with OA/SA airstream.

SPECIFICATIONS & DIMENSIONS

RENEWAIRE.COM | 1.800.627.4499
Subject to change without notice: RENEWAIRE.COM | 1.800.627.4499

EV PREMIUM MH
ENERGY RECOVERY VENTILATOR EC MOTOR

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

INSTALLATION ORIENTATION
Unit may be installed in any orientation.

NOTE
Unless otherwise specified, dimensions are rounded to the nearest eighth of an inch. Specifications may be subject to change without notice.

RENEWAIRE.COM
| 1.800.627.4499
**EC MOTOR OPERATING RANGE AND CORE PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
<th>Unit Power Consumption (Watts)</th>
<th>Sensible EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Speed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>278</td>
<td>0.40</td>
<td>183</td>
<td>71</td>
<td>64/49</td>
</tr>
<tr>
<td>267</td>
<td>0.50</td>
<td>185</td>
<td>72</td>
<td>65/50</td>
</tr>
<tr>
<td>256</td>
<td>0.60</td>
<td>184</td>
<td>73</td>
<td>66/51</td>
</tr>
<tr>
<td>244</td>
<td>0.70</td>
<td>184</td>
<td>74</td>
<td>67/52</td>
</tr>
<tr>
<td>233</td>
<td>0.80</td>
<td>184</td>
<td>75</td>
<td>68/53</td>
</tr>
<tr>
<td>222</td>
<td>0.90</td>
<td>184</td>
<td>76</td>
<td>69/54</td>
</tr>
<tr>
<td>210</td>
<td>1.00</td>
<td>184</td>
<td>77</td>
<td>70/56</td>
</tr>
<tr>
<td>187</td>
<td>1.20</td>
<td>185</td>
<td>78</td>
<td>71/58</td>
</tr>
<tr>
<td>141</td>
<td>1.60</td>
<td>183</td>
<td>80</td>
<td>72/58</td>
</tr>
<tr>
<td>100</td>
<td>2.00</td>
<td>185</td>
<td>82</td>
<td>73/60</td>
</tr>
</tbody>
</table>

| Min. Speed    |                                               |                                |               |                          |
|---------------|-----------------------------------------------|                                |               |                          |
| 122           | 0.10                                          | 80                             | 81            | 74/64                    |
| 98            | 0.20                                          | 79                             | 83            | 75/66                    |
| 67            | 0.30                                          | 70                             | 85            | 76/69                    |

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 70/55wb 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 on pg. 47 of Single/Multi-Family Catalog and at hvi.org.

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>Watts</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>FLA per motor</th>
<th>Minimum Circuit Amps</th>
<th>Max Overcurrent Protection Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>85</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>1.22</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

AWARD WINNING
**EV PREMIUM LH**

TecHome Builder’s 2023 Brilliance Award

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.
SPECIFICATIONS & DIMENSIONS

RESIDENTIAL/LIGHT COMMERCIAL

ENERGY RECOVERY VENTILATOR EC MOTOR

EV PREMIUM L

ABBREVIATIONS

EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply Air to inside

INSTALLATION ORIENTATION

NOTE: UNLESS OTHERWISE SPECIFIED, THE NEW casings ARE SUBJECT TO CHANGE WITHOUT NOTICE.

SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

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.

MODEL: EV Premium L

D R I V I N G T Y P E : U n i t D i m e n s i o n

V E R S I O N : N O V 2 3

A B B R E V I A T I O N S

E A : E x h a u s t A i r t o o u t s i d e
O A : O u t s i d e A i r i n t a k e
R A : R o o m A i r t o b e e x h a u s t e d
S A : S u p p l y A i r t o i n t e r n a l

I N S T A L L A T I O N O R I E N T A T I O N

U n i t m a y b e i n s t a l l e d i n a n y o r i e n t a t i o n.

N O T E


T O P V I E W

F R O N T V I E W

L E F T V I E W

D O O R S W I N G

S E R V I C E A R E A

D O O R ( C a n b e R e m o v e d f r o m H i n g e s . )

S E R V I C E A R E A

2 2 1 / 4 " M i n i m u m

O v e r a l l

C a s e

2 2 1 / 4 " M i n i m u m

O v e r a l l

C a s e

2 2 1 / 4 " M i n i m u m

O v e r a l l

C a s e

3 3 / 8 " T y p .

C a s e


C a s e

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " O v e r a l l

2 5 / 1 6 " Ov
**SPECIFICATIONS & DIMENSIONS**

### RESIDENTIAL/LIGHT COMMERCIAL

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

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

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

**TOP VIEW**
- 22 1/2" Overall
- 2 1/4" Typ. (Hanging Bracket)

**LEFT VIEW**
- 26 1/4" Overall (with Hanging Bracket)
- 2 5/8" Case
- 7/8" Typ.
- 21 7/8" Case

**FRONT VIEW**
- 24 VAC Control Terminal
- Power Outlet Box
- Pressure Ports (4) Typ.
- Inlet Ring

**RIGHT VIEW**
- 22 1/4" Minimum Service Area (Door can be Removed from Hinges.)
- 23 5/8" Case

**Ev PREMIUM LH**
ENERGY RECOVERY VENTILATOR EC MOTOR

Model: Ev Premium LH
Drawing Type: Unit Dimension
Version: NOV23

Subject to change without notice: RENEWAIRe.COM | 1.800.627.4499
**ENERGY RECOVERY VENTILATOR**

**EC MOTOR**

**SPECIFICATIONS**

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

**Typical Airflow Range:** 100–390 CFM

**Unit is HVI Tested/Certified per CSA C439**

**Protocol:** Using one L-100-G5 Core

**Standard Features:**
- White painted cabinet
- Line-cord power supply or hard wired to junction box (H)
- Unit may be mounted in any orientation
- Cross-core differential pressure ports
- Dial-A-Flow: balance and airflow adjustment
- Variable speed
- Boost-mode

**Controls:**
- Onboard digital controller with independent variable speeds

**Filters:**
- Total qty. 2, MERV 8, spun-polyester media:
  - 10 1/2” x 21 3/4” x 1”

**Unit Weight:** 65 lbs.

**Max. Shipping Dimensions & Weight (in carton):**
- 33” L x 24” W x 29” H
- 72 lbs.

**Units Per Pallet:** 4

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

**Accessories:**
- Backdraft damper: 8”
- Automatic balancing damper: 4”, 5”, 6”
- Motorized Dampers: 8”
- Louvered wall vent 8”: taupe vinyl, galvanized, paintable galvanneal
- Louvered wall vent with 6” round duct connection: 12” W x 8” H
- Hooded wall vent 8”: galvanized, paintable galvanneal
- 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 (1–11.5 kW); designed for indoor ductwork installation only

**EC MOTOR OPERATING RANGE AND CORE PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
<th>Unit Power Consumption (Watts)</th>
<th>Sensible EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Speed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>400</td>
<td>0.10</td>
<td>339</td>
<td>64</td>
<td>55/38</td>
</tr>
<tr>
<td>390</td>
<td>0.20</td>
<td>338</td>
<td>64</td>
<td>56/39</td>
</tr>
<tr>
<td>381</td>
<td>0.30</td>
<td>340</td>
<td>65</td>
<td>57/40</td>
</tr>
<tr>
<td>373</td>
<td>0.40</td>
<td>337</td>
<td>65</td>
<td>57/40</td>
</tr>
<tr>
<td>362</td>
<td>0.50</td>
<td>337</td>
<td>66</td>
<td>58/41</td>
</tr>
<tr>
<td>354</td>
<td>0.60</td>
<td>337</td>
<td>66</td>
<td>59/42</td>
</tr>
<tr>
<td>345</td>
<td>0.70</td>
<td>337</td>
<td>67</td>
<td>59/43</td>
</tr>
<tr>
<td>337</td>
<td>0.80</td>
<td>336</td>
<td>68</td>
<td>60/44</td>
</tr>
<tr>
<td>318</td>
<td>1.00</td>
<td>337</td>
<td>69</td>
<td>61/46</td>
</tr>
<tr>
<td>299</td>
<td>1.20</td>
<td>336</td>
<td>70</td>
<td>63/47</td>
</tr>
<tr>
<td>282</td>
<td>1.40</td>
<td>336</td>
<td>71</td>
<td>64/49</td>
</tr>
<tr>
<td>263</td>
<td>1.60</td>
<td>344</td>
<td>72</td>
<td>65/51</td>
</tr>
<tr>
<td>227</td>
<td>2.00</td>
<td>349</td>
<td>74</td>
<td>68/54</td>
</tr>
<tr>
<td>191</td>
<td>2.40</td>
<td>359</td>
<td>77</td>
<td>71/57</td>
</tr>
<tr>
<td>Min. Speed</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>146</td>
<td>0.10</td>
<td>41</td>
<td>80</td>
<td>75/62</td>
</tr>
<tr>
<td>122</td>
<td>0.20</td>
<td>37</td>
<td>81</td>
<td>77/64</td>
</tr>
<tr>
<td>93</td>
<td>0.30</td>
<td>32</td>
<td>83</td>
<td>79/66</td>
</tr>
</tbody>
</table>

**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 on pg. 47 of Single/Multi-Family Catalog and at hvi.org.

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>Watts</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>FLA per motor</th>
<th>Minimum Circuit Amps</th>
<th>Max Overcurrent Protection Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>220</td>
<td>120</td>
<td>60</td>
<td>1</td>
<td>2.7</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

**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.
**SPECIFICATIONS & DIMENSIONS**

**RESIDENTIAL/LIGHT COMMERCIAL**

**EV PREMIUM X**

**ENERGY RECOVERY VENTILATOR**

**EC MOTOR**

**ABBRIVATIONS**

EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply 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.

**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.

**MODEL**

EV Premium X

**DRAWING TYPE**

Unit Dimension

**VERSION**

NOV23

**SPECIFICATIONS & DIMENSIONS**

- **Typ. 5 7/8"**
- **7 1/4"**
- **34" Line Cord**
- **Pressure Ports** (4) Typ.
- **2 1/4" Typ.**
- **24 3/8" Overall**
- **Case 2 5/8" 7/8"**
- **27 1/4" Overall**
- **29 5/8" (With hanging bracket)**
- **24" Overall**
- **23 5/8" Case**
- **26" Minimum Service Area**
- **(Door can be removed from hinges)**
- **29" Overall**
- **(With Hanging Bracket)**
- **25 3/8" Case 2 5/8" 7/8"**
- **To Fit 8" Duct**
- **Typ.**
- **7/8"**
- **25 3/8" Case**
- **2 1/4" Overall**
**SPECIFICATIONS & DIMENSIONS**

**RESIDENTIAL/LIGHT COMMERCIAL**

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

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

**ABBREVIATIONS**
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
SA: Supply 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.
ENERGY RECOVERY VENTILATOR

SPECIFICATIONS

Ventilation Type:
Static plate, heat and humidity transfer

Typical Airflow Range: 40–110 CFM

Unit is HVI Tested/Certified per CSA C439 Protocol:
Using one L-35-G5 Core

Standard Features:
White painted cabinet
Line-cord power supply
Low-voltage circuit for controls
Unit may be mounted in any orientation
Cross-core differential pressure ports

Control:
Onboard 24VAC transformer/relay package

Filters:
Total qty. 2, MERV 8, spun-polyester media:
9 5/8" x 10 1/2" x 1"

Unit Weight:
36 lbs.

Max. Shipping Dimensions & Weight (in carton):
29" L x 22" W x 15" H
40 lbs.

Units Per Pallet:
10

Motors(s):
Qty. 2, Standard motorized impeller blowers

Accessories:
Backdraft damper: 6", 8"
Automatic balancing damper: 4", 5", 6"
Motorized Dampers: 6", 8"
Concentric Vent: 6" (CVB-110)
Louvered wall vent 6", white, brown
Digital time clock: wall mount (TC7D-W),
in exterior enclosure (TC7D-E)
Carbon dioxide sensor/control: wall mount (CO2-W),
duct mount (CO2-D)
Motion occupancy sensor/control:
ceiling mount (MC-C), wall mount (MC-W)
Push-button point-of-use controls (PBL), PTL req’d.
Percentage timer control with furnace interlock (FM)
MERV 13 filter: OA airstream (shipped loose)
Electric duct heater: RH series (1–3 kW);
designed for indoor ductwork installation only

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.

UNIT PERFORMANCE

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>0.60</td>
</tr>
<tr>
<td>53</td>
<td>0.50</td>
</tr>
<tr>
<td>68</td>
<td>0.40</td>
</tr>
<tr>
<td>81</td>
<td>0.30</td>
</tr>
<tr>
<td>93</td>
<td>0.20</td>
</tr>
<tr>
<td>108</td>
<td>0.10</td>
</tr>
</tbody>
</table>

UNIT Dimensions

AIRFLOW ORIENTATION
Available as shown in dimension drawing.

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

ELECTRICAL DATA

<table>
<thead>
<tr>
<th>HP</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>Watts</th>
<th>FLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.03</td>
<td>120</td>
<td>60</td>
<td>Single</td>
<td>46 @ 90 CFM</td>
<td>0.35</td>
</tr>
</tbody>
</table>

CORE PERFORMANCE

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>Temp EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>78</td>
<td>75/65</td>
</tr>
<tr>
<td>53</td>
<td>74</td>
<td>69/58</td>
</tr>
<tr>
<td>68</td>
<td>67</td>
<td>61/49</td>
</tr>
<tr>
<td>81</td>
<td>64</td>
<td>58/45</td>
</tr>
<tr>
<td>93</td>
<td>61</td>
<td>55/42</td>
</tr>
</tbody>
</table>

Note: These are core-only ratings and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 98/78wb OA and 75/63wb RA (summer). HVI ratings apply to complete units only. This unit is HVI certified. See HVI certified ratings on pg. 47 of Single/Multi-Family Catalog and at hvi.org.
**EV 130**

**INDOOR UNIT**

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>HP</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>Watts</th>
<th>FLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>120</td>
<td>60</td>
<td>Single</td>
<td>102 @ 130 CFM</td>
<td>1.3</td>
</tr>
</tbody>
</table>

**UNIT PERFORMANCE**

- **Airflow (CFM)**
  - 78: 0.60
  - 104: 0.50
  - 125: 0.40
  - 136: 0.30
  - 153: 0.20
  - 163: 0.10

- **External Static Pressure (Inches Water Column)**
  - 78
  - 104
  - 125
  - 136
  - 153
  - 163

**UNITS PER PALLET:** 8

**MOTOR(S):**

- Qty. 1: Double-shaft standard motor

**ACCESSORIES:**

- Backdraft damper: 6", 8"
- Automatic balancing damper: 4", 5", 6"
- Motorized Dampers: 6", 8"
- Concentric Vent: 6" (CV-110)
- Louvered wall vent: 6" white, brown
- 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)
- Percentage timer control (PTL)
- Push-button point-of-use controls (PBL), PTL req'd.
- Percentage timer control (PTL)

**FILTERS:**

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

**UNIT WEIGH:** 48 lbs.

**MAX. SHIPPING DIMENSIONS & WEIGHT (in carton):**

- **Unit Weight:** 48 lbs.
- **Filters:** 12 lbs.
- **Motor(s):** 18 lbs.
- **Wiring:** 3 lbs.
- **Total Weight:** 82 lbs.

**TOTAL QTY. 2, MERV 8, SPUN-POLYESTER MEDIA:**

- **Type:** E (Electrical); 120V, 60Hz, 1 phase, 10A
- **Power Supply:** 120V, 60Hz, 1 phase, 10A
- **Frequency:** 60Hz
- **Phase:** 1

**SPECIFICATIONS & DIMENSIONS**

**ENERGY RECOVERY VENTILATOR**

**CORE PERFORMANCE**

- **Airflow (CFM):**
  - 78: 0.60
  - 104: 0.50
  - 125: 0.40
  - 136: 0.30
  - 153: 0.20
  - 163: 0.10

- **Temp EFF%:**
  - 78: 78
  - 104: 75
  - 125: 72
  - 136: 71
  - 153: 68
  - 163: 67

- **Total EFF% Winter/Summer:**
  - 78: 73/59
  - 104: 69/54
  - 125: 66/50
  - 136: 64/48
  - 153: 61/45
  - 163: 59/42

**NOTE:** These are core-only ratings and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/59wb RA (winter) and 98/78wb OA and 75/63wb RA (summer). HVI ratings apply to complete units only. This unit is HVI certified. See HVI certified ratings on pg. 47 of Single/Multi-Family Catalog and at hvi.org.

**SERVICE AREA**

- **Min. Airflow:** 32" L x 22" W x 18" H
- **Max. Airflow:** 32" L x 22" W x 18" H
- **Min. Ship Weight:** 48 lbs.
- **Max. Ship Weight:** 82 lbs.

**Hinges:**

- 2. Swinging Door
- 3. Swing-Out Door

**ABBRIVIATIONS**

- OA: Outside Air to outside
- RA: Room Air to be exhausted
- SA: Supply Air to inside
- IAQ: IAQ sensor
- TC: Thermostat Control
- MC: Motion Control

**INSTALLATION ORIENTATION**

- Unit may be installed in any orientation.
- Service Area
  - 11 1/4" Minimum Service Area
  - Door can be removed from hinges
  - 24V AC Control Terminal

- Airflow Orientation
  - Available as shown in dimension drawing.

**UNIT MOUNTING & APPLICATION**

- Can be mounted in any orientation.
- RA/EA airstream can be switched with OA/SA airstream.

**PRESSURE PORTS**

- 4 Typ.

**TOP VIEW**

**RIGHT VIEW**

**BACK TO TOC**

Subject to change without notice: RENEWAIRE.COM | 1.800.627.4499
**EV 200**

**INDOOR UNIT**

**SPECIFICATIONS**

Ventilation Type:
Static plate, heat and humidity transfer

Typical Airflow Range: 100–200 CFM

Unit is HVI Tested/Certified per CSA C439 Protocol:
Using one L-100-6S Core

Standard Features:
White painted cabinet
Line-card power supply
Low-voltage circuit for controls
Unit may be mounted in any orientation
Cross-core differential pressure ports

Controls: Onboard 24VAC transformer/relay package

Filters:
Total qty. 2, MERV 8, spun-polyester media:
10 1/2” x 21 3/4” x 1”

Unit Weight: 68 lbs.

Max. Shipping Dimensions & Weight (on pallet):
34” L x 44” W x 34” H
110 lbs.

Units Per Pallet: 4

**CORE PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>Temp EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>95</td>
<td>83</td>
</tr>
<tr>
<td>131</td>
<td>80</td>
</tr>
<tr>
<td>157</td>
<td>79</td>
</tr>
<tr>
<td>172</td>
<td>78</td>
</tr>
<tr>
<td>182</td>
<td>77</td>
</tr>
<tr>
<td>189</td>
<td>77</td>
</tr>
<tr>
<td>195</td>
<td>76</td>
</tr>
<tr>
<td>206</td>
<td>76</td>
</tr>
</tbody>
</table>

**Note:** These are core-only ratings and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 98/78wb OA and 75/63wb RA (summer). HVI ratings apply to complete units only. This unit is HVI certified. See HVI certified ratings on pg. 48 of Single/Multi-Family Catalog and at hvi.org.

**ELECTRICAL DATA**

<table>
<thead>
<tr>
<th>HP</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>Watts</th>
<th>FLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>120</td>
<td>60</td>
<td>Single</td>
<td>157 @ 181 CFM</td>
<td>1.5</td>
</tr>
</tbody>
</table>

**UNIT DIMENSIONS**

**AIRFLOW ORIENTATION**

Available as shown in dimension drawing.

**UNIT MOUNTING & APPLICATION**

Can be mounted in any orientation. RA/EA airstream can be switched with OA/SA airstream.

**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.
**ENERGY RECOVERY VENTILATOR**

### SPECIFICATIONS

**Ventilation Type:**
Static plate, heat and humidity transfer  
**Typical Airflow Range:** 40–110 CFM  
**Unit is HVI Tested/Certified per CSA C439 Protocol:**
Using one L-35-G5 Core  
**Standard Features:**
Unpainted galvanized cabinet  
Field wiring to terminal block  
Unit may be mounted in any orientation  
Cross-core differential pressure ports  
**Control:**
Can use any switched line-voltage power supply  
(no low-voltage controls)  
**Filters:**
Total qty. 2, MERV 8, spun-polyester media:  
9 5/8” x 10 1/2” x 1”

**Unit Weight:** 36 lbs.  
**Max. Shipping Dimensions & Weight (in carton):**
29” L x 22” W x 15” H  
40 lbs.  
**Units Per Pallet:** 10  
**Motor(s):**
Qty. 2, Standard motorized impeller blowers  
**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  
120V line voltage Honeywell control  
MERV 13 filter: OA airstream (shipped loose)  
Electric duct heater: RH series (1–3 kW); designed for indoor ductwork installation only

### ELECTRICAL DATA

<table>
<thead>
<tr>
<th>HP</th>
<th>Volts</th>
<th>Hz</th>
<th>Phase</th>
<th>Watts</th>
<th>FLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.03</td>
<td>120</td>
<td>60</td>
<td>Single</td>
<td>46 @ 90 CFM</td>
<td>0.35</td>
</tr>
</tbody>
</table>

**UNIT PERFORMANCE**

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>External Static Pressure (Inches Water Column)</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>0.60</td>
</tr>
<tr>
<td>53</td>
<td>0.50</td>
</tr>
<tr>
<td>68</td>
<td>0.40</td>
</tr>
<tr>
<td>81</td>
<td>0.30</td>
</tr>
<tr>
<td>93</td>
<td>0.20</td>
</tr>
<tr>
<td>108</td>
<td>0.10</td>
</tr>
</tbody>
</table>

### CORE PERFORMANCE

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>Temp EFF%</th>
<th>Total EFF% Winter/Summer</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>78</td>
<td>75/65</td>
</tr>
<tr>
<td>53</td>
<td>74</td>
<td>69/58</td>
</tr>
<tr>
<td>68</td>
<td>70</td>
<td>65/53</td>
</tr>
<tr>
<td>81</td>
<td>67</td>
<td>61/49</td>
</tr>
<tr>
<td>93</td>
<td>64</td>
<td>58/45</td>
</tr>
<tr>
<td>108</td>
<td>61</td>
<td>55/42</td>
</tr>
</tbody>
</table>

**Note:**
These are core-only ratings and are not HVI certified. Total EFF% calculated at 35/33wb OA and 70/58wb RA (winter) and 98/78wb OA and 75/63wb RA (summer). HVI ratings apply to complete units only. This unit is HVI certified. See HVI certified ratings on pg. 47 of Single/Multi-Family Catalog and at hvi.org.

### UNIT DIMENSIONS

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

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

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

**Back to TOC**
BR SERIES

BOTTOM HUNG LENGTHWISE*

Note: Furnace blower must be operating any time ERV is operating. The unit is easily interlocked with the furnace to provide this function.
Conditioned Air (CA); Exhaust Air (EA); Outside Air (OA); Room Air (RA); Supply Air (SA)

*Installation orientation may result in logo being displayed upside down. This does not affect performance and is an acceptable installation orientation.
APPLICATIONS
COMMON INSTALLATION APPROACHES

SL AND EV PREMIUM SERIES

SEPARATE RETURN AIR PICK-UP
SUPPLY AIR TO FURNACE RETURN AIR TRUNK*

Note: ERV blower may be operated separate from furnace blower.

FURNACE RETURN AIR BACK INTO RETURN AIR*

Note: 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.
Conditioned Air (CA); Exhaust Air (EA); Outside Air (OA); Room Air (RA); Supply Air (SA)

*Installation orientation may result in logo being displayed upside down. This does not affect performance and is an acceptable installation orientation.

SEPARATE RETURN AIR AND SUPPLY AIR*

Note: ERV blower may be operated separate from furnace blower.

FURNACE RETURN AIR BACK INTO SUPPLY AIR*

Note: ERV blower may be operated separate from furnace blower.
APPLICATIONS
COMMON INSTALLATION APPROACHES

EV SERIES
SEPARATE ROOM AIR PICK-UP—
SUPPLY AIR TO FURNACE RETURN TRUNK*

Note: ERV blower may be operated separate from furnace blower.

FURNACE RETURN AIR BACK INTO RETURN AIR*

Note: 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.

Conditioned Air (CA); Exhaust Air (EA); Outside Air (OA); Room Air (RA); Supply Air (SA)

*Installation orientation may result in logo being displayed upside down. This does not affect performance and is an acceptable installation orientation.
CONTROL STRATEGIES

See individual submittal pages for compatibility by model.

CONTINUOUS VENTILATION

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.

ONE-SPEED

Standalone

- No additional controls required
- Models run at the set low-speed when powered

TWO-SPEED

Low Speed with a Single On Demand Boost Mode Activation Location (e.g. bathroom)

- Models run at the set low-speed when powered and operate at set high-speed only when activated by signal

TWO-SPEED

Low Speed with Multiple On Demand Boost Mode Activation Locations (e.g. bathrooms, kitchen, etc.)

- Models run at the set low-speed when powered and operate at set high-speed when activated by signal

TWO-SPEED

Low Speed with Set % of Hour Boost Mode Activation

- Models run at the set low-speed when powered and operate at high-speed only when activated by PTL for set % of each hour

TWO-SPEED

Low Speed with Set % of Hour Boost Mode Activation and Additional On Demand Boost Mode Activation Locations (e.g. bathrooms, kitchen, etc.)

- Models run at the set low-speed when powered and operate at high-speed only when activated by PTL for set % of each hour or PBL timer-based override

Subject to change without notice: RENEWAIRE.COM | 1.800.627.4499
CONTROL STRATEGIES

See individual submittal pages for compatibility by model.

INTERMITTENT VENTILATION

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.

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal, which also turns furnace blower on

Models are off when powered and operate at high-speed only when activated by signal, which also turns furnace blower on

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal

Models are off when powered and operate at high-speed only when activated by signal

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal

Models are off when powered and operate at high-speed only when activated by signal

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal

Models are off when powered and operate at high-speed only when activated by signal

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal

Models are off when powered and operate at high-speed only when activated by signal

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal

Models are off when powered and operate at high-speed only when activated by signal

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal

Models are off when powered and operate at high-speed only when activated by signal

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation

ONE-SPEED

Furnace Interlock
- Low-Speed set to 0, and High-Speed set for desired CFM
- Models are off when powered and operate at High-Speed only when activated by signal

Models are off when powered and operate at high-speed only when activated by signal

Low-speed set to 0, and high-speed set for desired CFM

Continuous Ventilation
OPTIONS & ACCESSORIES

See controls accessory table on next page or individual submittal pages for compatibility by model.

CONTROLS

PERCENTAGE TIMER (PTL)

Primary control
• Units can run an adjustable amount of time each hour
• Two-wire, low-voltage connection

PERCENTAGE TIMER WITH FURNACE INTERLOCK (FM)

Primary control
• Low-voltage wire connects to EV unit and either thermostat or furnace control to turn on furnace blower
• Six-wire, low-voltage connection

PUSH-BUTTON BOOST TIMER (PBT)

Primary control
• Push-button control sends unit to boost mode from bathrooms or other intermittent exhaust locations
• Push once for 20 minutes, twice for 40 minutes, and 3 times for 60 minutes of run-time.
• Two-wire, low-voltage connection

PUSH-BUTTON POINT OF USE TIMER (PBL)

Secondary control used in combination with PTL or PBT control
• Push-button control turns on unit from bathrooms or other intermittent exhaust locations
• Push once for 20 minutes, twice for 40 minutes, and 3 times for 60 minutes of run-time.
• Two-wire, low-voltage connection to PTL or PBT control

DIGITAL TIME CLOCK (TC7D-W, TC7D-E)

• Up to 8 on/off cycles per day or 56 per week
• Battery back-up
• Wall mount or outdoor enclosure options
• Wall mount fits any 4” x 4” electrical box

CO2 SENSORS (CO2-W, CO2-D)

• Adjustable control from 400–2000 PPM
• Digital display
• Computer/BAS interface for information and control
• Self calibrates during periods of low occupancy
• Wall mount or add duct mount accessory

MOTION OCCUPANCY SENSORS (MC-C, MC-W)

• Passive infrared sensor
• Adjustable time-off delay to 30 minutes
• Ceiling mount or directable wall mount
• Coverage floor space
  - Ceiling mount: 1500 sq. ft.
  - Wall mount: 2500 sq. ft.
• Major motion area
  - Ceiling mount: 50 ft. diameter
  - Wall mount: 68 x 50 ft.

IAQ SENSORS (IAQ-W, IAQ-D)

• Measures TVOC
• Direct correlation to CO2 levels
• 0–2000 ppm CO2 equivalent output signal
• Digital display on wall mount
• Selectable 0–5 or 0–10V dc signal
• Internal menu for easy set-up

IAQ-W Wall Mount

BACNET FAN CONTROL**

• Adds remote fan control functionally
• Set unit on/off status or turn on high speed—functionally model dependent
• Local control without opening unit and/or BMS override via BACnet MS/TP
• 24VAC power requirement
• Wired connection to unit and BMS
• LCD display
• Wall mount

BACNETFC-W Wall Mount

---

Subject to change without notice: RENEAIRE.COM | 1.800.627.4499

Back to TOC
OPTIONS & ACCESSORIES

See controls accessory table below or individual submittal pages for compatibility by model.

CONTROLS

Standard controls are intended to turn RenewAire single/multi-family energy recovery ventilation systems on and off at appropriate times. Installation and set-up is an easy process.

CONTROLS AVAILABLE BY MODEL

<table>
<thead>
<tr>
<th></th>
<th>SL75</th>
<th>BR70, BR130</th>
<th>EV Premium S, M, L, X</th>
<th>EV90</th>
<th>EV130</th>
<th>EV200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage Timer (PTL)</td>
<td>• 3</td>
<td>• 3</td>
<td>• 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentage Timer with Furnace Interlock (FM)</td>
<td>• 3</td>
<td>Built-in • 4</td>
<td>• 3</td>
<td>• 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Push-Button Point of Use Timer (PBL)</td>
<td>• 3</td>
<td>• 3</td>
<td>• 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Push-Button Boost Timer (PBT)</td>
<td>• 3</td>
<td>• 3</td>
<td>• 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital Time Clock (TC7D-W, TC7D-E)</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CO2 Sensors (CO2-W, CO2-D)</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IAQ Sensors (IAQ-W, IAQ-D)</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motion Occupancy Sensors (MC-C, MC-W)</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td>• 2, 3</td>
<td>• 1, 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BACnet Fan Control (BACNETFC-W)</td>
<td>• 2, 3</td>
<td>• 2, 3</td>
<td>• 2, 3</td>
<td>• 2, 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes
1. 24VAC power requirement, external power supply must be provided.
2. 24VAC power requirement, ERV internal transformer supplied.
3. Turns on high speed either with ERV operating continuously at low speed or intermittently with low speed at 0. Speeds set on ERV.
4. Turns on ERV intermittently at single speed. Speed set with dampers.

MOUNTING

WALL BRACKET KIT (SL ONLY)

- For vertical installation on stud walls or field-supplied support/backing panels

FILTERS

MERV 13 FILTERS

- Electrostatically charged filter fibers
- Single die-cut construction frame
- Moisture-resistant construction
- High holding capacity design
- Expanded metal reinforcement
- Shipped loose
ACCESSORIES

See individual submittal pages for compatibility by model.

6" & 8" BACKDRAFT DAMPERS (BD6 & BD8)
- Mechanical “butterfly” design
- Male/female ends

PRESSURE DROP PERFORMANCE

6" & 8" MOTORIZED DAMPERS
- 24VAC powered to open
- Prevent unwanted airflow through ERV when adverse outdoor air conditions, such as wildfire smoke are present or to meet local codes
- Range of kits to accommodate different installation applications. Use the table below to identify the correct kit for a particular installation

<table>
<thead>
<tr>
<th>Damper Kits</th>
<th>MD6-FM</th>
<th>MD6-PT</th>
<th>MD6</th>
<th>MD8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diameter</td>
<td>6&quot;</td>
<td>6&quot;</td>
<td>8&quot;</td>
<td>8&quot;</td>
</tr>
<tr>
<td>ERV has a “DAMP” terminal</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Furnace interlock required</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No*</td>
</tr>
</tbody>
</table>

*Furnace interlock may still be used, but must be purchased separately.

CONCENTRIC VENT (CV6-110)
- Maximum airflow 110 CFM
- Simplifies installation with only one 6” diameter hole through exterior walls
- Fits both 5" or 6" diameter insulated flexible ducts
- Compliance with ASHRAE 62.2-2019

PRESSURE DROP PERFORMANCE

AUTOMATIC BALANCING DAMPER (ABV-4, ABV-5 & ABV-6)
- 4", 5" and 6"
- Maintains a constant airflow volume with calibrated set points
- Set point range ABV-4 and ABV-5: 30–125 CFM, ABV-6: 60–240 CFM
- Recommended use with static pressures under 1.0 in. w.g.
ACCESSORIES

See individual submittal pages for compatibility by model.

6" VINYL LOUVERED WALL VENTS (VB106 & VW106)
- Brown (VB) or white (VW)
- Low pressure drop design
- Cleanable metal screen

8" VINYL LOUVERED WALL VENTS (VT8)
- Taupe
- 1 1/2" channel for siding
- 4 removeable flaps
- 1/4" plastic screen

PRESSURE DROP PERFORMANCE

VW/VB106 Used in Supply Mode

VW/VB106 Used in Exhaust Mode

VT8 Used in Supply Mode

VT8 Used in Exhaust Mode

RD200402 Collected Test Data for Chart Generation.1.xlsx
ACCESSORIES

See individual submittal pages for compatibility by model.

12" x 8" GALVANIZED LOUVERED WALL VENTS (VW12 x 8)
- Round duct connect
- Flush mount
- 1/2" metal screen

8" GALVANIZED HOODED WALL VENTS (FA8-G) & W8" GALVANEAL HOODED WALL VENTS (FA8-P)
- Paintable (galvanneal only)
- 1/4" metal screen

PRESSURE DROP PERFORMANCE

VW12X8 Used in Supply Mode

Airflow (SCFM)
Pressure Drop (in.w.g.)

VW12X8 Used in Exhaust Mode

Airflow (SCFM)
Pressure Drop (in.w.g.)

FA8 Used in Supply Mode

Airflow (SCFM)
Pressure Drop (in.w.g.)

FA8 Used in Exhaust Mode

Airflow (SCFM)
Pressure Drop (in.w.g.)
Options & Accessories

See individual submittal pages for compatibility by model.

Electric Duct Heaters

RH Series

RenewAire offers the highest-efficiency energy recovery ventilators (ERVs) on the market. However, during winter conditions, supply air from the ERV may be less than optimal for space conditions. By adding RenewAire’s round electric duct heater as an option to our single/multi-family and light commercial ERVs or configurable electric duct heaters as an accessory to our commercial ERVs, RenewAire can now heat supply air during cooler months to enhance indoor comfort, all via one package for ERVs and heaters from a single source.

Available on single/multi-family and light commercial units (some exceptions apply).

Key Benefits

- **A single source reduces time and costs:** A single information source, a single purchase point and a single approval package for ERVs and heaters reduces design time and costs, and streamlines logistics for design engineers and contractors.

- **More flexibility:** RenewAire offers design engineers the capacity to specify ERVs with a matching heater to boost flexibility and provide heated air to a single space or multiple spaces.

- **Easy installation:** A ZERO clearance rating to combustibles allows designers and contractors to apply RenewAire heaters with less restrictions onsite.

- **Ultimate reliability:** RenewAire heaters come with our two-year warranty and unmatched reliability. Single-source responsibility offers contractors and end users peace of mind and a single call location for technical, start-up and commissioning questions.

- **Highly certified:** CSA certified and evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada.
ELECTRIC DUCT HEATER (1–11.5 kW)

ACCESSORY

SPECIFICATIONS

Heater Type:
Electric Duct Heater

Typical kW Range:
1–11.5 kW (1, 2, 3, 4, 5, 6, 8, 10, 11.5 kW)

Voltages & Phase:
Single phase: 120, 208 and 240V

Control Voltage:
24VAC

Controllable Output Temperature Range:
RH-D: 5 to 131˚F
RH-W: -3 to 130˚F

Standard Features:
Open-coil element
High-grade, nickel-chrome element wire
Thermostat: Integral (RH-D), Wall mount (RH-W)
Modulating heat output (SCR control)
Vertical or horizontal operation
Automatic limit switch for primary
over-temperature protection
Manual reset limit switch for secondary
over-temperature protection
Airflow sensor
Standard control transformer: 24VAC
Corrosion-resistant galvanized steel
Round duct collars
High-voltage terminal block connections
Grounding lug
Mounting flanges

Accessories:
Temperature sensor: Duct mount (DS-600)
Digital time clock: wall mount (TC7D-W),
in exterior enclosure (TC7D-E)
Motion occupancy sensor/control:
ceiling mount (MC-C), wall mount (MC-W)

Note: Electric duct heater designed for indoor ductwork installation only.

<table>
<thead>
<tr>
<th>Duct Collar Sizes (in.)</th>
<th>kW</th>
<th>Volts</th>
<th>Size</th>
<th>Width (X) (in.)</th>
<th>Height (Y) (in.)</th>
<th>Depth (Z) (in.)</th>
<th>Max. Wt. (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>1.2</td>
<td>120, 208, 240</td>
<td>A 11 1/2</td>
<td>8</td>
<td>11 1/2</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>3,4,5</td>
<td>208</td>
<td>B 11 1/2</td>
<td>10</td>
<td>13 1/2</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>3,4,5,6</td>
<td>240</td>
<td>B 11 1/2</td>
<td>10</td>
<td>13 1/2</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>3,4,5</td>
<td>208</td>
<td>C 15 1/2</td>
<td>12</td>
<td>15 1/2</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>3,4,5,6,8,10,11.5</td>
<td>240</td>
<td>C 15 1/2</td>
<td>12</td>
<td>15 1/2</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>6,8,10,11.5</td>
<td>240</td>
<td>C 15 1/2</td>
<td>12</td>
<td>15 1/2</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

RH SERIES HEATER CAPACITY

<table>
<thead>
<tr>
<th>Minimum Airflow (CFM)</th>
<th>Heater Capacity (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>1.00</td>
</tr>
<tr>
<td>60</td>
<td>2.00</td>
</tr>
<tr>
<td>90</td>
<td>3.00</td>
</tr>
<tr>
<td>120</td>
<td>4.00</td>
</tr>
<tr>
<td>150</td>
<td>5.00</td>
</tr>
<tr>
<td>180</td>
<td>6.00</td>
</tr>
<tr>
<td>240</td>
<td>8.00</td>
</tr>
<tr>
<td>300</td>
<td>10.00</td>
</tr>
<tr>
<td>345</td>
<td>11.50</td>
</tr>
</tbody>
</table>

SAFE OPERATING RANGE

Airflow (CFM) vs. Heater Capacity - kW

Subject to change without notice: RENEAIRE.COM | 1.800.627.4499
## RH SERIES CONFIGURATIONS

<table>
<thead>
<tr>
<th>Duct Collar Size (in)</th>
<th>Voltage (1P, 60 Hz)</th>
<th>Heater Capacity (kW)</th>
<th>Line Amps</th>
<th>Wire Gauge</th>
<th>Fuse Amps</th>
<th>Thermostat</th>
<th>Part Number</th>
<th>Configuration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131320</td>
<td>RHD1120-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131324</td>
<td>RHW1120-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131321</td>
<td>RHD2120-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131325</td>
<td>RHW2120-6</td>
</tr>
<tr>
<td></td>
<td>208</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131352</td>
<td>RHD1208-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131363</td>
<td>RHW1208-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131354</td>
<td>RHD2208-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131365</td>
<td>RHW2208-6</td>
</tr>
<tr>
<td></td>
<td>240</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131353</td>
<td>RHD1240-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131364</td>
<td>RHW1240-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131355</td>
<td>RHD2240-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131366</td>
<td>RHW2240-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 4.16</td>
<td>12</td>
<td>15</td>
<td></td>
<td>Integral</td>
<td>131356</td>
<td>RHD3208-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 8.33</td>
<td>12</td>
<td>15</td>
<td></td>
<td>Integral</td>
<td>131357</td>
<td>RHD4208-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131362</td>
<td>RHW3208-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131358</td>
<td>RHD5208-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131364</td>
<td>RHW5208-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 14.42</td>
<td>12</td>
<td>20</td>
<td></td>
<td>Integral</td>
<td>131359</td>
<td>RHD3240-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 19.23</td>
<td>10</td>
<td>30</td>
<td></td>
<td>Integral</td>
<td>131360</td>
<td>RHD4240-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 24.03</td>
<td>10</td>
<td>30</td>
<td></td>
<td>Integral</td>
<td>131361</td>
<td>RHD5240-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131362</td>
<td>RHW6240-8</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131363</td>
<td>RHD3208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131364</td>
<td>RHW3208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131365</td>
<td>RHD4208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131367</td>
<td>RHW4208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131368</td>
<td>RHD5208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131369</td>
<td>RHW5208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131360</td>
<td>RHD6240-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131371</td>
<td>RHW6240-8</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131361</td>
<td>RHD10240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131372</td>
<td>RHW10240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131362</td>
<td>RHD11-1/2240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131373</td>
<td>RHW11-1/2240-10</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131363</td>
<td>RHD208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131364</td>
<td>RHW208-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131365</td>
<td>RHD3240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131366</td>
<td>RHW3240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131367</td>
<td>RHD4240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131368</td>
<td>RHW4240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131369</td>
<td>RHD5240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131370</td>
<td>RHW5240-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131371</td>
<td>RHW6240-10</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131364</td>
<td>RHD3208-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131365</td>
<td>RHW3208-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131366</td>
<td>RHD4208-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131367</td>
<td>RHW4208-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131368</td>
<td>RHD5240-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Wall Mount</td>
<td>131369</td>
<td>RHW5240-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131370</td>
<td>RHW6240-12</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Integral</td>
<td>131371</td>
<td>RHW6240-12</td>
</tr>
</tbody>
</table>
### SOUND DATA

#### SL75/H

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>62.5 Hz</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>8000 Hz</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case Radiated</td>
<td>51</td>
<td>57</td>
<td>54</td>
<td>46</td>
<td>37</td>
<td>31</td>
<td>27</td>
<td>18</td>
<td>18</td>
<td>59</td>
<td>43</td>
<td>0.2</td>
</tr>
<tr>
<td></td>
<td>118</td>
<td>59</td>
<td>58</td>
<td>57</td>
<td>52</td>
<td>40</td>
<td>35</td>
<td>25</td>
<td>29</td>
<td>63</td>
<td>52</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td>155</td>
<td>60</td>
<td>60</td>
<td>59</td>
<td>54</td>
<td>44</td>
<td>40</td>
<td>28</td>
<td>32</td>
<td>65</td>
<td>55</td>
<td>2.1</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>37</td>
<td>73</td>
<td>62</td>
<td>52</td>
<td>46</td>
<td>38</td>
<td>29</td>
<td>27</td>
<td>28</td>
<td>73</td>
<td>51</td>
<td>1.7</td>
</tr>
<tr>
<td></td>
<td>108</td>
<td>76</td>
<td>65</td>
<td>55</td>
<td>48</td>
<td>39</td>
<td>31</td>
<td>28</td>
<td>29</td>
<td>77</td>
<td>54</td>
<td>2.5</td>
</tr>
<tr>
<td></td>
<td>145</td>
<td>78</td>
<td>67</td>
<td>56</td>
<td>49</td>
<td>40</td>
<td>31</td>
<td>29</td>
<td>30</td>
<td>78</td>
<td>56</td>
<td>2.9</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>36</td>
<td>60</td>
<td>57</td>
<td>53</td>
<td>49</td>
<td>36</td>
<td>30</td>
<td>27</td>
<td>21</td>
<td>63</td>
<td>49</td>
<td>0.8</td>
</tr>
<tr>
<td></td>
<td>105</td>
<td>64</td>
<td>56</td>
<td>51</td>
<td>48</td>
<td>34</td>
<td>27</td>
<td>24</td>
<td>19</td>
<td>65</td>
<td>48</td>
<td>0.9</td>
</tr>
<tr>
<td></td>
<td>147</td>
<td>68</td>
<td>63</td>
<td>54</td>
<td>47</td>
<td>39</td>
<td>29</td>
<td>28</td>
<td>34</td>
<td>69</td>
<td>51</td>
<td>1.6</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>37</td>
<td>57</td>
<td>47</td>
<td>42</td>
<td>35</td>
<td>31</td>
<td>25</td>
<td>18</td>
<td>20</td>
<td>57</td>
<td>39</td>
<td>0.0</td>
</tr>
<tr>
<td></td>
<td>110</td>
<td>60</td>
<td>56</td>
<td>49</td>
<td>44</td>
<td>33</td>
<td>25</td>
<td>23</td>
<td>16</td>
<td>61</td>
<td>46</td>
<td>0.4</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>65</td>
<td>59</td>
<td>56</td>
<td>45</td>
<td>40</td>
<td>29</td>
<td>22</td>
<td>18</td>
<td>67</td>
<td>55</td>
<td>1.9</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>39</td>
<td>58</td>
<td>50</td>
<td>46</td>
<td>31</td>
<td>31</td>
<td>23</td>
<td>19</td>
<td>19</td>
<td>59</td>
<td>41</td>
<td>0.1</td>
</tr>
<tr>
<td></td>
<td>108</td>
<td>60</td>
<td>53</td>
<td>51</td>
<td>43</td>
<td>31</td>
<td>27</td>
<td>23</td>
<td>15</td>
<td>61</td>
<td>45</td>
<td>0.4</td>
</tr>
<tr>
<td></td>
<td>146</td>
<td>61</td>
<td>58</td>
<td>53</td>
<td>45</td>
<td>34</td>
<td>29</td>
<td>25</td>
<td>18</td>
<td>63</td>
<td>48</td>
<td>0.7</td>
</tr>
</tbody>
</table>

**Note:** *Hard ducted 1m to measurement area.*

**Note:** *Insulated flex duct 5’ to measurement area.*

#### BR130

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>62.5 Hz</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>8000 Hz</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case Radiated</td>
<td>147</td>
<td>57</td>
<td>43</td>
<td>40</td>
<td>36</td>
<td>32</td>
<td>25</td>
<td>22</td>
<td>22</td>
<td>57</td>
<td>39</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Note:** Room Inlet (SA) and Room Outlet (RA) connections are made through furnace ducting.

#### EV PREMIUM S/SH

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>62.5 Hz</th>
<th>125 Hz</th>
<th>250 Hz</th>
<th>500 Hz</th>
<th>1000 Hz</th>
<th>2000 Hz</th>
<th>4000 Hz</th>
<th>8000 Hz</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td>Case Radiated</td>
<td>39</td>
<td>62</td>
<td>49</td>
<td>38</td>
<td>47</td>
<td>37</td>
<td>27</td>
<td>20</td>
<td>18</td>
<td>63</td>
<td>46</td>
<td>0.6</td>
</tr>
<tr>
<td></td>
<td>125</td>
<td>72</td>
<td>58</td>
<td>55</td>
<td>46</td>
<td>44</td>
<td>36</td>
<td>26</td>
<td>20</td>
<td>72</td>
<td>55</td>
<td>2.2</td>
</tr>
<tr>
<td></td>
<td>172</td>
<td>75</td>
<td>63</td>
<td>60</td>
<td>53</td>
<td>45</td>
<td>30</td>
<td>28</td>
<td>28</td>
<td>76</td>
<td>56</td>
<td>2.6</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>38</td>
<td>69</td>
<td>67</td>
<td>68</td>
<td>68</td>
<td>68</td>
<td>62</td>
<td>58</td>
<td>76</td>
<td>76</td>
<td>73</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>132</td>
<td>78</td>
<td>76</td>
<td>76</td>
<td>70</td>
<td>69</td>
<td>64</td>
<td>64</td>
<td>65</td>
<td>82</td>
<td>75</td>
<td>4.0</td>
</tr>
<tr>
<td></td>
<td>180</td>
<td>80</td>
<td>78</td>
<td>77</td>
<td>71</td>
<td>71</td>
<td>68</td>
<td>67</td>
<td>65</td>
<td>84</td>
<td>76</td>
<td>4.8</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>38</td>
<td>56</td>
<td>49</td>
<td>49</td>
<td>50</td>
<td>51</td>
<td>49</td>
<td>44</td>
<td>38</td>
<td>59</td>
<td>55</td>
<td>0.1</td>
</tr>
<tr>
<td></td>
<td>126</td>
<td>59</td>
<td>57</td>
<td>55</td>
<td>55</td>
<td>55</td>
<td>54</td>
<td>54</td>
<td>55</td>
<td>65</td>
<td>62</td>
<td>1.2</td>
</tr>
<tr>
<td></td>
<td>181</td>
<td>57</td>
<td>57</td>
<td>59</td>
<td>60</td>
<td>60</td>
<td>58</td>
<td>56</td>
<td>56</td>
<td>67</td>
<td>65</td>
<td>1.9</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>40</td>
<td>51</td>
<td>48</td>
<td>40</td>
<td>35</td>
<td>36</td>
<td>37</td>
<td>35</td>
<td>33</td>
<td>53</td>
<td>43</td>
<td>0.0</td>
</tr>
<tr>
<td></td>
<td>127</td>
<td>55</td>
<td>54</td>
<td>51</td>
<td>50</td>
<td>47</td>
<td>47</td>
<td>46</td>
<td>46</td>
<td>60</td>
<td>54</td>
<td>0.1</td>
</tr>
<tr>
<td></td>
<td>173</td>
<td>57</td>
<td>56</td>
<td>55</td>
<td>54</td>
<td>53</td>
<td>52</td>
<td>50</td>
<td>48</td>
<td>63</td>
<td>59</td>
<td>0.4</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>40</td>
<td>51</td>
<td>49</td>
<td>46</td>
<td>45</td>
<td>46</td>
<td>44</td>
<td>38</td>
<td>36</td>
<td>56</td>
<td>50</td>
<td>0.0</td>
</tr>
<tr>
<td></td>
<td>127</td>
<td>54</td>
<td>53</td>
<td>52</td>
<td>52</td>
<td>53</td>
<td>53</td>
<td>51</td>
<td>51</td>
<td>62</td>
<td>59</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>172</td>
<td>56</td>
<td>56</td>
<td>57</td>
<td>57</td>
<td>56</td>
<td>54</td>
<td>52</td>
<td>48</td>
<td>65</td>
<td>62</td>
<td>0.7</td>
</tr>
</tbody>
</table>

**Note:** *Hard ducted 1m to measurement area.*

**Note:** *Insulated flex duct 5’ to measurement area.*

---

**Sound Data:** Actual sound levels in living spaces will vary and be dependent on installation conditions including unit location, duct type, duct size, and duct run length. Sones calculated using HVI 915 method from Lw values.

**Testing Method:** Testing conducted per the following standards: AHRI 230 and 260, ISO 9614-1 and 9614-2. Testing conducted internally at RenewAire.
# Sound Data

## EV Premium M/MH

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>Sound Power Level (dB)</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>62.5 Hz</td>
<td>125 Hz</td>
<td>250 Hz</td>
<td>500 Hz</td>
</tr>
<tr>
<td>Case Radiated</td>
<td>85</td>
<td>63</td>
<td>54</td>
<td>52</td>
<td>44</td>
</tr>
<tr>
<td></td>
<td>175</td>
<td>61</td>
<td>57</td>
<td>63</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>224</td>
<td>65</td>
<td>57</td>
<td>60</td>
<td>58</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>91</td>
<td>62</td>
<td>61</td>
<td>58</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>181</td>
<td>68</td>
<td>67</td>
<td>65</td>
<td>63</td>
</tr>
<tr>
<td></td>
<td>232</td>
<td>72</td>
<td>68</td>
<td>67</td>
<td>66</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>86</td>
<td>70</td>
<td>66</td>
<td>63</td>
<td>63</td>
</tr>
<tr>
<td></td>
<td>177</td>
<td>68</td>
<td>66</td>
<td>65</td>
<td>63</td>
</tr>
<tr>
<td></td>
<td>229</td>
<td>67</td>
<td>64</td>
<td>62</td>
<td>63</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>83</td>
<td>53</td>
<td>52</td>
<td>51</td>
<td>48</td>
</tr>
<tr>
<td></td>
<td>168</td>
<td>54</td>
<td>53</td>
<td>52</td>
<td>51</td>
</tr>
<tr>
<td></td>
<td>204</td>
<td>58</td>
<td>56</td>
<td>56</td>
<td>54</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>81</td>
<td>53</td>
<td>47</td>
<td>49</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>156</td>
<td>60</td>
<td>57</td>
<td>57</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>195</td>
<td>64</td>
<td>61</td>
<td>60</td>
<td>59</td>
</tr>
</tbody>
</table>

**Note:** *Hard ducted 1m to measurement area.  
**Insulated flex duct 5’ to measurement area.*

## EV Premium L/LH

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>Sound Power Level (dB)</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>62.5 Hz</td>
<td>125 Hz</td>
<td>250 Hz</td>
<td>500 Hz</td>
</tr>
<tr>
<td>Case Radiated</td>
<td>104</td>
<td>63</td>
<td>56</td>
<td>57</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>190</td>
<td>64</td>
<td>60</td>
<td>63</td>
<td>58</td>
</tr>
<tr>
<td></td>
<td>246</td>
<td>70</td>
<td>64</td>
<td>60</td>
<td>56</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>113</td>
<td>63</td>
<td>61</td>
<td>59</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>211</td>
<td>68</td>
<td>64</td>
<td>64</td>
<td>62</td>
</tr>
<tr>
<td></td>
<td>258</td>
<td>72</td>
<td>70</td>
<td>67</td>
<td>65</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>110</td>
<td>62</td>
<td>60</td>
<td>59</td>
<td>57</td>
</tr>
<tr>
<td></td>
<td>211</td>
<td>63</td>
<td>61</td>
<td>61</td>
<td>61</td>
</tr>
<tr>
<td></td>
<td>249</td>
<td>63</td>
<td>62</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>116</td>
<td>52</td>
<td>50</td>
<td>48</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>56</td>
<td>54</td>
<td>54</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>258</td>
<td>58</td>
<td>55</td>
<td>55</td>
<td>55</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>125</td>
<td>55</td>
<td>52</td>
<td>48</td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>202</td>
<td>64</td>
<td>63</td>
<td>61</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>261</td>
<td>66</td>
<td>65</td>
<td>63</td>
<td>61</td>
</tr>
</tbody>
</table>

**Note:** *Hard ducted 1m to measurement area.  
**Insulated flex duct 5’ to measurement area.*

**Sound Data:** Actual sound levels in living spaces will vary and be dependent on installation conditions including unit location, duct type, duct size, and duct run length.  
Sones calculated using HVI 915 method from Lw values.

**Testing Method:** Testing conducted per the following standards: AHRI 230 and 260, ISO 9614-1 and 9614-2.  
Testing conducted internally at RenewAire.
# SOUND DATA

## EV PREMIUM X/XH

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>Sound Power Level (dB)</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>62.5 Hz</td>
<td>125 Hz</td>
<td>250 Hz</td>
<td>500 Hz</td>
</tr>
<tr>
<td>Case Radiated</td>
<td>112</td>
<td>52</td>
<td>45</td>
<td>52</td>
<td>41</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>112</td>
<td>55</td>
<td>52</td>
<td>54</td>
<td>43</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>112</td>
<td>53</td>
<td>46</td>
<td>47</td>
<td>33</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>112</td>
<td>54</td>
<td>49</td>
<td>50</td>
<td>36</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>112</td>
<td>48</td>
<td>45</td>
<td>46</td>
<td>34</td>
</tr>
</tbody>
</table>

Note: *Hard ducted 1m to measurement area.  
**Insulated flex duct 5’ to measurement area.

## EV90/GR90

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>Sound Power Level (dB)</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>62.5 Hz</td>
<td>125 Hz</td>
<td>250 Hz</td>
<td>500 Hz</td>
</tr>
<tr>
<td>Case Radiated</td>
<td>112</td>
<td>52</td>
<td>45</td>
<td>52</td>
<td>41</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>112</td>
<td>55</td>
<td>52</td>
<td>54</td>
<td>43</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>112</td>
<td>53</td>
<td>46</td>
<td>47</td>
<td>33</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>112</td>
<td>54</td>
<td>49</td>
<td>50</td>
<td>36</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>112</td>
<td>48</td>
<td>45</td>
<td>46</td>
<td>34</td>
</tr>
</tbody>
</table>

Note: *Hard ducted 1m to measurement area.  
**Insulated flex duct 5’ to measurement area.

## EV130

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>Sound Power Level (dB)</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>62.5 Hz</td>
<td>125 Hz</td>
<td>250 Hz</td>
<td>500 Hz</td>
</tr>
<tr>
<td>Case Radiated</td>
<td>147</td>
<td>57</td>
<td>43</td>
<td>40</td>
<td>36</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>147</td>
<td>53</td>
<td>50</td>
<td>39</td>
<td>36</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>147</td>
<td>56</td>
<td>51</td>
<td>50</td>
<td>45</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>147</td>
<td>52</td>
<td>49</td>
<td>39</td>
<td>33</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>147</td>
<td>52</td>
<td>48</td>
<td>42</td>
<td>33</td>
</tr>
</tbody>
</table>

Note: *Hard ducted 1m to measurement area.  
**Insulated flex duct 5’ to measurement area.

## EV200

<table>
<thead>
<tr>
<th>Source</th>
<th>CFM</th>
<th>Sound Power Level (dB)</th>
<th>Lw (dB)</th>
<th>LwA (dBA)</th>
<th>Sones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>62.5 Hz</td>
<td>125 Hz</td>
<td>250 Hz</td>
<td>500 Hz</td>
</tr>
<tr>
<td>Case Radiated</td>
<td>178</td>
<td>59</td>
<td>55</td>
<td>52</td>
<td>42</td>
</tr>
<tr>
<td>Room Inlet (SA)*</td>
<td>178</td>
<td>54</td>
<td>56</td>
<td>50</td>
<td>39</td>
</tr>
<tr>
<td>Room Outlet (RA)*</td>
<td>178</td>
<td>60</td>
<td>58</td>
<td>49</td>
<td>39</td>
</tr>
<tr>
<td>Room Inlet (SA)**</td>
<td>178</td>
<td>52</td>
<td>53</td>
<td>48</td>
<td>37</td>
</tr>
<tr>
<td>Room Outlet (RA)**</td>
<td>178</td>
<td>57</td>
<td>51</td>
<td>48</td>
<td>31</td>
</tr>
</tbody>
</table>

Note: *Hard ducted 1m to measurement area.  
**Insulated flex duct 5’ to measurement area.

Sound Data: Actual sound levels in living spaces will vary and be dependent on installation conditions including unit location, duct type, duct size, and duct run length.  
Sones calculated using HVI 915 method from Lw values.

Testing conducted internally at RenewAire.
## HVI TESTED/CERTIFIED

PER CSA C439

### CERTIFICATIONS & PERFORMANCE

#### EV Premium SH/EV Premium S – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Supply</td>
<td>Exhaust</td>
</tr>
<tr>
<td></td>
<td>L/s CFM</td>
<td>L/s CFM</td>
</tr>
<tr>
<td>25</td>
<td>65 138</td>
<td>68 144</td>
</tr>
<tr>
<td>50</td>
<td>62 131</td>
<td>65 138</td>
</tr>
<tr>
<td>75</td>
<td>59 125</td>
<td>62 131</td>
</tr>
<tr>
<td>100</td>
<td>55 117</td>
<td>58 123</td>
</tr>
<tr>
<td>125</td>
<td>52 110</td>
<td>55 117</td>
</tr>
<tr>
<td>150</td>
<td>48 102</td>
<td>51 108</td>
</tr>
<tr>
<td>175</td>
<td>45 95</td>
<td>47 100</td>
</tr>
<tr>
<td>200</td>
<td>41 87</td>
<td>43 91</td>
</tr>
<tr>
<td>225</td>
<td>37 78</td>
<td>39 83</td>
</tr>
<tr>
<td>250</td>
<td>32 68</td>
<td>34 72</td>
</tr>
<tr>
<td>275</td>
<td>28 59</td>
<td>29 61</td>
</tr>
<tr>
<td>300</td>
<td>23 49</td>
<td>24 51</td>
</tr>
</tbody>
</table>

#### EV Premium MH/EV Premium M – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Supply</td>
<td>Exhaust</td>
</tr>
<tr>
<td></td>
<td>L/s CFM</td>
<td>L/s CFM</td>
</tr>
<tr>
<td>25</td>
<td>70 148</td>
<td>71 150</td>
</tr>
<tr>
<td>50</td>
<td>66 140</td>
<td>67 142</td>
</tr>
<tr>
<td>75</td>
<td>62 131</td>
<td>63 133</td>
</tr>
<tr>
<td>100</td>
<td>53 112</td>
<td>54 114</td>
</tr>
<tr>
<td>125</td>
<td>44 93</td>
<td>45 95</td>
</tr>
<tr>
<td>150</td>
<td>32 68</td>
<td>33 70</td>
</tr>
</tbody>
</table>

#### EV Premium SH/EV Premium S – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>C° F°</td>
<td>L/s CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>24 51</td>
<td>50</td>
<td>74</td>
<td>70</td>
<td>56</td>
</tr>
</tbody>
</table>

#### EV Premium MH/EV Premium M – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>C° F°</td>
<td>L/s CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>24 51</td>
<td>50</td>
<td>74</td>
<td>70</td>
<td>56</td>
</tr>
</tbody>
</table>

### BR130 – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Supply</td>
<td>Exhaust</td>
</tr>
<tr>
<td></td>
<td>L/s CFM</td>
<td>L/s CFM</td>
</tr>
<tr>
<td>25</td>
<td>70 148</td>
<td>71 150</td>
</tr>
<tr>
<td>50</td>
<td>66 140</td>
<td>67 142</td>
</tr>
<tr>
<td>75</td>
<td>62 131</td>
<td>63 133</td>
</tr>
<tr>
<td>100</td>
<td>53 112</td>
<td>54 114</td>
</tr>
<tr>
<td>125</td>
<td>44 93</td>
<td>45 95</td>
</tr>
<tr>
<td>150</td>
<td>32 68</td>
<td>33 70</td>
</tr>
</tbody>
</table>

### BR130 – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>C° F°</td>
<td>L/s CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>47 100</td>
<td>99</td>
<td>72</td>
<td>78</td>
<td>64</td>
</tr>
</tbody>
</table>

### EV Premium SH/EV Premium S – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>C° F°</td>
<td>L/s CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>47 100</td>
<td>99</td>
<td>72</td>
<td>78</td>
<td>64</td>
</tr>
</tbody>
</table>

### EV Premium MH/EV Premium M – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>C° F°</td>
<td>L/s CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>47 100</td>
<td>99</td>
<td>72</td>
<td>78</td>
<td>64</td>
</tr>
</tbody>
</table>

---

Subject to change without notice: RENEAIRE.COM 1 800.627.4499

Back to TOC
### HVI TESTED/CERTIFIED

**PER CSA C439**

Subject to change without notice: RENEWAIRE.COM | 1.800.627.4499

---

#### EV Premium LH/EV Premium L – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
<th>Supply</th>
<th>Exhaust</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/s</td>
<td>CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td>Pa</td>
<td>in. wg</td>
<td>L/s, CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td>100</td>
<td>0.4</td>
<td>131, 278</td>
<td>132</td>
<td>280</td>
</tr>
<tr>
<td>125</td>
<td>0.5</td>
<td>126, 267</td>
<td>127</td>
<td>266</td>
</tr>
<tr>
<td>150</td>
<td>0.6</td>
<td>121, 256</td>
<td>122</td>
<td>259</td>
</tr>
<tr>
<td>175</td>
<td>0.7</td>
<td>115, 244</td>
<td>116</td>
<td>246</td>
</tr>
<tr>
<td>200</td>
<td>0.8</td>
<td>110, 233</td>
<td>111</td>
<td>235</td>
</tr>
<tr>
<td>225</td>
<td>0.9</td>
<td>105, 222</td>
<td>105</td>
<td>220</td>
</tr>
<tr>
<td>250</td>
<td>1.0</td>
<td>99, 210</td>
<td>100</td>
<td>212</td>
</tr>
</tbody>
</table>

#### EV Premium LH/EV Premium L – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C° F° L/s</td>
<td>CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>59</td>
<td>21</td>
<td>88</td>
<td>90</td>
<td>77</td>
</tr>
<tr>
<td>0° 32°</td>
<td>121</td>
<td>37</td>
<td>81</td>
<td>83</td>
<td>69</td>
</tr>
<tr>
<td>0° 32°</td>
<td>201</td>
<td>114</td>
<td>74</td>
<td>77</td>
<td>60</td>
</tr>
<tr>
<td>0° 32°</td>
<td>227</td>
<td>71</td>
<td>76</td>
<td>76</td>
<td>56</td>
</tr>
</tbody>
</table>

#### EV Premium XH/EV Premium X – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
<th>Supply</th>
<th>Exhaust</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/s</td>
<td>CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td></td>
<td>in. wg</td>
<td>L/s, CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td>25</td>
<td>0.1</td>
<td>189, 400</td>
<td>192</td>
<td>407</td>
</tr>
<tr>
<td>35</td>
<td>0.2</td>
<td>184, 398</td>
<td>188</td>
<td>398</td>
</tr>
<tr>
<td>75</td>
<td>0.3</td>
<td>180, 381</td>
<td>184</td>
<td>390</td>
</tr>
<tr>
<td>100</td>
<td>0.4</td>
<td>176, 373</td>
<td>179</td>
<td>379</td>
</tr>
<tr>
<td>125</td>
<td>0.5</td>
<td>171, 362</td>
<td>175</td>
<td>371</td>
</tr>
<tr>
<td>150</td>
<td>0.6</td>
<td>167, 354</td>
<td>170</td>
<td>360</td>
</tr>
<tr>
<td>175</td>
<td>0.7</td>
<td>163, 345</td>
<td>166</td>
<td>352</td>
</tr>
<tr>
<td>200</td>
<td>0.8</td>
<td>159, 337</td>
<td>162</td>
<td>343</td>
</tr>
<tr>
<td>250</td>
<td>1</td>
<td>150, 318</td>
<td>153</td>
<td>324</td>
</tr>
<tr>
<td>300</td>
<td>1.2</td>
<td>141, 299</td>
<td>144</td>
<td>305</td>
</tr>
<tr>
<td>350</td>
<td>1.4</td>
<td>133, 282</td>
<td>135</td>
<td>286</td>
</tr>
<tr>
<td>400</td>
<td>1.6</td>
<td>124, 263</td>
<td>127</td>
<td>269</td>
</tr>
<tr>
<td>500</td>
<td>2</td>
<td>107, 227</td>
<td>109</td>
<td>231</td>
</tr>
<tr>
<td>600</td>
<td>2.4</td>
<td>90, 191</td>
<td>91</td>
<td>193</td>
</tr>
</tbody>
</table>

#### EV Premium XH/EV Premium X – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Total Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C° F° L/s</td>
<td>CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>102</td>
<td>127</td>
<td>80</td>
<td>90 (91 %)</td>
<td>65</td>
</tr>
<tr>
<td>0° 32°</td>
<td>197</td>
<td>171</td>
<td>71</td>
<td>75 (76 %)</td>
<td>53</td>
</tr>
<tr>
<td>0° 32°</td>
<td>244</td>
<td>176</td>
<td>67</td>
<td>73 (74 %)</td>
<td>45</td>
</tr>
</tbody>
</table>

#### EV90/GR90 – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
<th>Supply</th>
<th>Exhaust</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/s</td>
<td>CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td></td>
<td>in. wg</td>
<td>L/s, CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td>25</td>
<td>0.1</td>
<td>47, 100</td>
<td>47</td>
<td>100</td>
</tr>
<tr>
<td>50</td>
<td>0.2</td>
<td>40, 85</td>
<td>40</td>
<td>85</td>
</tr>
<tr>
<td>75</td>
<td>0.3</td>
<td>33, 70</td>
<td>33</td>
<td>70</td>
</tr>
<tr>
<td>100</td>
<td>0.4</td>
<td>26, 55</td>
<td>26</td>
<td>55</td>
</tr>
<tr>
<td>125</td>
<td>0.5</td>
<td>19, 40</td>
<td>19</td>
<td>40</td>
</tr>
</tbody>
</table>

#### EV90/GR90 – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Total Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C° F° L/s</td>
<td>CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>83</td>
<td>127</td>
<td>64</td>
<td>67 (69 %)</td>
<td>49</td>
</tr>
<tr>
<td>0° 32°</td>
<td>83</td>
<td>127</td>
<td>64</td>
<td>67 (69 %)</td>
<td>49</td>
</tr>
<tr>
<td>0° 32°</td>
<td>83</td>
<td>127</td>
<td>64</td>
<td>67 (69 %)</td>
<td>49</td>
</tr>
</tbody>
</table>

#### EV130 – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
<th>Supply</th>
<th>Exhaust</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L/s</td>
<td>CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td></td>
<td>in. wg</td>
<td>L/s, CFM</td>
<td>L/s</td>
<td>CFM</td>
</tr>
<tr>
<td>25</td>
<td>0.1</td>
<td>77, 163</td>
<td>80</td>
<td>170</td>
</tr>
<tr>
<td>50</td>
<td>0.2</td>
<td>71, 150</td>
<td>73</td>
<td>155</td>
</tr>
<tr>
<td>75</td>
<td>0.3</td>
<td>66, 140</td>
<td>68</td>
<td>144</td>
</tr>
<tr>
<td>100</td>
<td>0.4</td>
<td>59, 125</td>
<td>61</td>
<td>129</td>
</tr>
<tr>
<td>125</td>
<td>0.5</td>
<td>48, 102</td>
<td>50</td>
<td>106</td>
</tr>
<tr>
<td>150</td>
<td>0.6</td>
<td>32, 88</td>
<td>33</td>
<td>70</td>
</tr>
</tbody>
</table>

#### EV130 – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Total Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C° F° L/s</td>
<td>CFM</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0° 32°</td>
<td>98</td>
<td>106</td>
<td>72</td>
<td>78 (81 %)</td>
<td>59</td>
</tr>
<tr>
<td>0° 32°</td>
<td>98</td>
<td>106</td>
<td>72</td>
<td>78 (81 %)</td>
<td>59</td>
</tr>
<tr>
<td>0° 32°</td>
<td>98</td>
<td>106</td>
<td>72</td>
<td>78 (81 %)</td>
<td>59</td>
</tr>
</tbody>
</table>
### EV200 – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pa</td>
<td>in. wg</td>
</tr>
<tr>
<td>25</td>
<td>0.1</td>
<td>97</td>
</tr>
<tr>
<td>50</td>
<td>0.2</td>
<td>92</td>
</tr>
<tr>
<td>75</td>
<td>0.3</td>
<td>89</td>
</tr>
<tr>
<td>100</td>
<td>0.4</td>
<td>86</td>
</tr>
<tr>
<td>125</td>
<td>0.5</td>
<td>81</td>
</tr>
<tr>
<td>150</td>
<td>0.6</td>
<td>74</td>
</tr>
<tr>
<td>175</td>
<td>0.7</td>
<td>62</td>
</tr>
<tr>
<td>200</td>
<td>0.8</td>
<td>45</td>
</tr>
</tbody>
</table>

### EV200 – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C°</td>
<td>F°</td>
<td>L/s</td>
<td>CFM</td>
<td>Watts</td>
</tr>
<tr>
<td><strong>Heating</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0°</td>
<td>32</td>
<td>85</td>
<td>180</td>
<td>146</td>
<td>74</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35°</td>
<td>95</td>
<td>79</td>
<td>167</td>
<td>137</td>
<td>57</td>
</tr>
</tbody>
</table>

### BR70 – Ventilation Performance

<table>
<thead>
<tr>
<th>External Static Pressure</th>
<th>Net Supply Airflow</th>
<th>Gross Airflow</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pa</td>
<td>in. wg</td>
</tr>
<tr>
<td>25</td>
<td>0.1</td>
<td>41</td>
</tr>
<tr>
<td>50</td>
<td>0.2</td>
<td>34</td>
</tr>
<tr>
<td>75</td>
<td>0.3</td>
<td>28</td>
</tr>
<tr>
<td>100</td>
<td>0.4</td>
<td>21</td>
</tr>
</tbody>
</table>

### BR70 – Energy Performance

<table>
<thead>
<tr>
<th>Supply Temperature</th>
<th>Net Airflow</th>
<th>Average Power Watts</th>
<th>Sensible Recovery Efficiency %</th>
<th>Adjusted Sensible Recovery Efficiency %</th>
<th>Net Moisture Transfer %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C°</td>
<td>F°</td>
<td>L/s</td>
<td>CFM</td>
<td>Watts</td>
</tr>
<tr>
<td><strong>Heating</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0°</td>
<td>32</td>
<td>32</td>
<td>69</td>
<td>94</td>
<td>66</td>
</tr>
<tr>
<td><strong>Cooling</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35°</td>
<td>95</td>
<td>30</td>
<td>64</td>
<td>94</td>
<td>42</td>
</tr>
</tbody>
</table>

Electrical Requirements Volts 120 Amps 1.0
Deficient IAQ is an EPA top-five health risk
People spend 90% of their time indoors
Indoor air can be 2–5 times and up to 100 times more polluted than outdoor air
ERVs improve IAQ and reduce costs

**INCREASED VENTILATION BENEFITS**

- **Better Health**
- **Reduced Viral Spread**
- **Improved Cognitive Function**
- **Increased Productivity**

**TECHNICAL SALES SUPPORT**
The goal of our technical-support team is to provide the **BEST CUSTOMER SERVICE** in the HVAC industry. You can count on our knowledgeable and seasoned staff for all your technical, application and service needs, and we’ll respond quickly and effectively to answer any of your questions.

TECHNICAL SUPPORT: RenewAireSupport@RenewAire.com
PHONE: 1.800.627.4499
TO PLACE AN ORDER: CORES.RenewAire.com or RenewAireOrders@RenewAire.com
RenewAire ERVs can be applied everywhere across all commercial, educational, institutional, light industrial and residential buildings. Our technology excels in every geographic region, every climate and every size project.