Specifications

- Low profile, galvanized, 26 ga., insulated housing
- 6" round duct connectors
- Test port for easy air flow measurement
- 2" wide filter slot for optional 8 x 8 x 2" filters
- Integral mounting tabs allow mounting in any orientation
- Backward inclined wheel
- Speed controllable, AC motor, 120V, 60 Hz
- 4 pole, permanently lubricated, thermally protected motor
- Internally mounted speed control to set required intake with high, medium, and low set points
- 6' power cord
- HVI Certified performance with and without optional MERV13 Filters
- cULus 507 Listed

Options and Accessories

- 8 x 8 x 2" MERV8 or MERV13 filters
- Steel backdraft dampers
- Motorized backdraft damper
- Duct heater

All specifications are subject to change without notice unless approved in submittal by S&P USA.
RF8-120AC_V.2 / 02-2019
## HVI Certified Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed Setting</th>
<th>Speed (RPM)</th>
<th>CFM @ Static Pressure (inches w.g.)</th>
<th>Amps @ .2'' SP</th>
<th>Watts @ .2'' Watts</th>
<th>Efficacy (CFM/Watts) @ .2'' SP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF8-120AC</td>
<td>LS</td>
<td>1480</td>
<td>79 57 48 40 34 29 21 -</td>
<td>0.48</td>
<td>37.3</td>
<td>1.2</td>
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<tr>
<td></td>
<td>MS</td>
<td>2040</td>
<td>126 107 99 90 83 75 63 53</td>
<td>0.57</td>
<td>55.9</td>
<td>1.6</td>
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<tr>
<td></td>
<td>HS</td>
<td>2500</td>
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<td>74.1</td>
<td>1.9</td>
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<td>LS</td>
<td>1510</td>
<td>52 39 34 30 26 22 16 -</td>
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<td>37.4</td>
<td>1.0</td>
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<tr>
<td></td>
<td>MS</td>
<td>2090</td>
<td>82 81 76 70 64 59 51 45</td>
<td>0.58</td>
<td>56.3</td>
<td>1.4</td>
</tr>
<tr>
<td></td>
<td>HS</td>
<td>2530</td>
<td>129 119 115 110 106 101 92 81</td>
<td>0.63</td>
<td>73.3</td>
<td>1.6</td>
</tr>
</tbody>
</table>

*Speed is Nominal.*

## Dimensions (in)

![Dimensions Diagram]

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RF8-120AC V.2 / 02-2019
ReFresh RF8-120AC-ES24V Submittal

RF8-120AC-ES24V

Specifications
• ES24V – Envirosense Ventilation Control mounted to outside of unit
• Low profile, galvanized, 26 ga., insulated housing
• 6" round duct connectors
• Test port for easy air flow measurement
• 2" wide filter slot for optional 8 x 8 x 2" filters
• Integral mounting tabs allow mounting in any orientation
• Backward inclined wheel
• Speed controllable, AC motor, 120V, 60 Hz
• 4 pole, permanently lubricated, thermally protected motor
• Internally mounted speed control to set required intake with high, medium, and low set points
• 6' power cord
• cULus 507 Listed

Options and Accessories
• 8 x 8 x 2" MERV8 or MERV13 filters
• Steel backdraft dampers
• Motorized backdraft damper
• Duct heater

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RF8-120AC-ES24V_V.2 / 02-2019
HVI Certified Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed Setting</th>
<th>Speed Setting</th>
<th>Speed (RPM)</th>
<th>CFM @ Static Pressure (inches w.g.)</th>
<th>Amps @ .2&quot; SP</th>
<th>Watts @ .2&quot; SP</th>
<th>Efficacy (CFM/Watts) @ .2&quot; SP</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF8-120AC</td>
<td>LS</td>
<td>1480</td>
<td>79</td>
<td>57  48  40  34  29  21  -</td>
<td>0.48</td>
<td>37.3</td>
<td>1.2</td>
</tr>
<tr>
<td></td>
<td>MS</td>
<td>2040</td>
<td>126</td>
<td>107  99  90  83  75  63  53</td>
<td>0.57</td>
<td>55.9</td>
<td>1.6</td>
</tr>
<tr>
<td></td>
<td>HS</td>
<td>2500</td>
<td>167</td>
<td>154  147 140 133 126 113 100</td>
<td>0.63</td>
<td>74.1</td>
<td>1.9</td>
</tr>
<tr>
<td>RF8-120AC (With MERV 13 Filter)</td>
<td>LS</td>
<td>1510</td>
<td>52</td>
<td>39  34  30  26  22  16  -</td>
<td>0.48</td>
<td>37.4</td>
<td>1.0</td>
</tr>
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<td></td>
<td>MS</td>
<td>2090</td>
<td>92</td>
<td>81  76  70  64  59  51  45</td>
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<td>56.3</td>
<td>1.4</td>
</tr>
<tr>
<td></td>
<td>HS</td>
<td>2530</td>
<td>129</td>
<td>119  115 110 106 101 92  81</td>
<td>0.63</td>
<td>73.3</td>
<td>1.6</td>
</tr>
</tbody>
</table>

*Speed is Nominal.*

Dimensions (in)

![Diagram of the dimensions](image)
The ES24V control can be used with our RF-reFresh, TD-MIXVENT, TD-SILENT, PV-POWERVENT, or TR-ERVs. When paired with S&P fans the ES24V provides fully controllable fresh air into a residence. With three modes (Off, On, and Eco-Mode) the ES24V ensures compliance with today’s outside air codes.

- “Off” allows for manual override as required by the code
- “On” allows for continuous operation
- “Eco-Mode” allows homeowner to set humidity and/or temperature minimum and maximums. When min and max are sensed the fan will not bring in outside air. When the outside air is within the min and max range the fan will operate at the set time limit or continuously to meet the code requirements, i.e. 15 minutes every 4-hours

Features
- Easy to read, back-lit LCD screen
- 24-volt control
- Simple setup with four-button interface
- Can be set to run supply fan continuously or intermittently or using Eco-Mode to turn fan off at set temperature/humidity
- Measures outdoor temperature to stop ventilation at adjustable high and low outdoor temperature lockouts
- Measures outdoor humidity to stop ventilation at adjustable high and low humidity lockouts
- Control programming maintains ASHRAE 62.2-2010 even during high and low temperature limit lockouts
- Installation flexibility – ability to override humidity and temperature control
- Inputs for optional duct heater and motorized damper

Dimensions
Specifications

- Low profile, galvanized, 26 ga., insulated housing
- 6” round duct connectors
- Test port for easy air flow measurement
- 2” wide filter slot for optional 8 x 8 x 2” filters
- Integral mounting tabs allow mounting in any orientation
- Backward inclined wheel
- Speed controllable, EC motor, 120V, 60 Hz
- 4 pole, permanently lubricated, thermally protected motor
- Internally mounted speed control to set required intake with high, medium, and low set points
- 6’ power cord
- ENERGY STAR® qualified
- HVI Certified performance with and without optional MERV13 Filters
- cULus 507 Listed

Options and Accessories

- 8 x 8 x 2” MERV8 or MERV13 filters
- ES24V – Envirosense Ventilation Control (loose)
- Steel backdraft dampers
- Motorized backdraft damper
- Duct heater

RF8-120EC, No Filter

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>Static Pressure (in wc)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>High Speed</td>
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<tr>
<td></td>
<td>Mid Speed</td>
</tr>
<tr>
<td></td>
<td>Low Speed</td>
</tr>
</tbody>
</table>

RF8-120EC, MERV 13 Filter

<table>
<thead>
<tr>
<th>Airflow (CFM)</th>
<th>Static Pressure (in wc)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>High Speed</td>
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<tr>
<td></td>
<td>Mid Speed</td>
</tr>
<tr>
<td></td>
<td>Low Speed</td>
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RF8-120EC_V.2 / 02-2019
ReFresh RF8-120EC
Submittal

HVI Certified Performance

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed Setting</th>
<th>Speed (RPM)</th>
<th>CFM @ Static Pressure (inches w.g.)</th>
<th>Amps @ .2&quot; SP</th>
<th>Watts @ .2&quot; SP</th>
<th>Efficacy (CFM/Watts) @ .2&quot; SP</th>
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<tbody>
<tr>
<td>RF8-120EC</td>
<td>LS</td>
<td>1300</td>
<td>85 63 51 40 28 - - - -</td>
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<tr>
<td></td>
<td>MS</td>
<td>1670</td>
<td>129 110 100 90 78 67 46 - -</td>
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<td>159 145 137 130 122 115 97 77</td>
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<td>27.6</td>
<td>4.9</td>
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<tr>
<td>RF8-120EC</td>
<td>(With MERV 13 Filter)</td>
<td>LS</td>
<td>1300</td>
<td>42 31 25 20 14 - - - -</td>
<td>0.12</td>
<td>6.9</td>
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<tr>
<td></td>
<td>(With MERV 13 Filter)</td>
<td>MS</td>
<td>1670</td>
<td>88 76 68 60 53 47 32 - -</td>
<td>0.23</td>
<td>13.9</td>
</tr>
<tr>
<td></td>
<td>(With MERV 13 Filter)</td>
<td>HS</td>
<td>2100</td>
<td>123 112 106 100 93 86 72 61</td>
<td>0.44</td>
<td>26.7</td>
</tr>
</tbody>
</table>

Speed is Nominal.

Dimensions (in)

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RF8-120EC_V.2 / 02-2019
RF8-120EC-ES24V

Specifications

- ES24V – Envirosense Ventilation Control mounted to outside of unit
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RF8-120EC-ES24V_V.2 / 02-2019
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<td>7.2</td>
<td>6.6</td>
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<tr>
<td></td>
<td>MS</td>
<td>1670</td>
<td>129 110 100 90 78 67 46  -  -</td>
<td>0.25</td>
<td>14.4</td>
<td>6.3</td>
</tr>
<tr>
<td></td>
<td>HS</td>
<td>2100</td>
<td>159 145 137 130 122 115 97 77</td>
<td>0.45</td>
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<td>5.3</td>
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<td></td>
<td>MS</td>
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<td>88 76 68 60 53 47 32  -  -</td>
<td>0.23</td>
<td>13.9</td>
<td>5.0</td>
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<tr>
<td></td>
<td>HS</td>
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<td>123 112 106 100 93 86 72 61</td>
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![Diagram of dimensions](image-url)
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**Dimensions**