Dedicated Outdoor Air Systems
for high percentage and 100% outside air
Models RV and RVE
• Institutional • Commercial • Industrial

• Up to 18,000 cfm
• 3.0 in. wg External Static Pressure
• Packaged DX (5-70 tons), Chilled Water, Split DX Cooling with or without Remote Condenser
• Indirect Gas, Hot Water, Electric Heating
• Optional Energy Recovery
• Optional Return Air
Greenheck is 100% Dedicated to Outdoor Air Systems!

Models RV and RVE

- 2-inch double-wall with R13 foam insulation construction
- 800 to 18,000 cfm and up to 3 in. wg
- Ideal for 100% outdoor air, variable air volume, and single zone applications
- Direct drive, VFD driven, backward-inclined supply/exhaust fans
- Optional recirculation damper for 20-100% outside air and night setback operation
- Optional total energy wheel
- Optional horizontal duct configurations for side return and supply

Cooling

- 5 to 70 nominal tons of cooling
- Chilled water, packaged direct expansion, or split direct expansion with or without remote condenser
- Low sound condenser fans
- Optional inverter, digital or standard scroll compressor
- Optional modulating hot gas reheat for humidly control
- Optional electronically commutated (EC) motor on lead condenser fan

Heating

- Indirect gas-fired, electric, or hot water
- Up to 1,200 mbh heating capacity
- Optional 16:1 high turndown furnace

Remote Condenser

(Paired with Models RV-25, 45 and RVE-40, 85)

- 5 to 30 tons cooling capacity
- 800 to 8,500 cfm
- Hot gas reheat and compressors internally mounted and piped within the RV/RVE unit
- Low sound condenser fans
- Lead EC condenser fan

Product Certifications

Greenheck takes pride in offering a high quality, reliable product. We invest our resources into designing, testing and manufacturing products to ensure customer satisfaction.

- ETL Listed for electrical and overall unit safety. Every unit is tested at the factory before it is shipped to the jobsite.
- AHRI Certified coils and energy wheels. To guarantee your coil is going to perform as required, check for AHRI Certification.
- Energy recovery wheels are certified by the AHRI Air-to-Air Energy Recovery Ventilation Equipment Certification Program in accordance with AHRI Standard 1060. Actual performance in packaged equipment may vary. Certified ratings are available in the Certified Product Directory at www.ahridirectory.org.
Models RV and RVE

Energy Efficiency

Inverter Compressor

An inverter compressor option is available from 5 to 70 tons with packaged DX cooling. The inverter compressor provides many benefits.

- Improved part load efficiency
- Integrated Energy Efficiency Ratio (IEER) up to 22.1, with an average improvement over a digital scroll compressor by 15 to 20%
- Reduced sound levels
- Precise temperature and humidity control

High Turndown Furnace

A high turndown furnace option is available on models RV and RVE. This high turndown is industry-leading technology for the tubular-style heat exchanger market.

- Up to 16:1 turndown per furnace
- Precise temperature control
- Fully modulating control
- Less cycling during part-load conditions
- Commissioning sequence for easy start-up

Flexible and Cost Effective Configurations

Horizontal Duct Connections

An optional side or end return air intake and side discharge is available for installation flexibility. Common applications include indoor mounted, pad mounted, or rooftop mounted reducing ductwork, system effect, and eliminating the need for a tall, costly plenum curb.
Controls

Simple, Easy Start-Up

Microprocessor

The models RV and RVE include a microprocessor controller that is factory programmed, wired and tested prior to shipment. The controller can operate stand-alone or integrate with a Building Management System (BMS) using BACnet® MS/TP or IP, LonWorks® or Modbus® RTU protocols. This controller is responsible for operating the unit in a safe and energy efficient manner while controlling temperature and humidity.

Built-in Furnace Commissioning Guide

Controller commissioning menus make for simple and easy start-up, saving time and money. See below for example of furnace start-up menus.

<table>
<thead>
<tr>
<th>IG Furnace Setup</th>
<th>Mod Furnace Startup 2</th>
<th>Mod Furnace Startup 3</th>
<th>Mod Furnace Startup 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press ENTER to access IG Furnace Commission</td>
<td>Please hook-up manometer to combo vlv outlet on mod furnace. Check alarms during commissioning sequence</td>
<td>Furnace at High Fire</td>
<td>Modulating Furnace Low Fire Verification</td>
</tr>
<tr>
<td>Unit must be running</td>
<td>Complete: No</td>
<td>Set pressure at combination valve outlet to: 5.0&quot; WC</td>
<td>Is small and large Manifold Pressure = 0.33&quot;WC and Combustion Fan at Low Speed?</td>
</tr>
</tbody>
</table>

Web User Interface (UI)

Greenheck’s microprocessor controller comes standard with a web user interface allowing the unit to be viewed and controlled from a web browser. With an Ethernet connection from the RV/RVE unit to the facilities network, a full graphic, specific to the unit selected, will allow for monitoring and control of the unit without a Building Management System (BMS). Other features include full control display access, customizable data trending, and service contact information.
Application Flexibility

Remote Condenser

Greenheck’s optional remote condenser is available from 5 to 30 tons with models RV and RVE. Common remote condenser applications include standing seam (sloped) roofs, retrofits, restricted roof space, and restricted structural (load) limitations.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-source manufacturer</td>
<td>Simplifies line sizing and controls</td>
</tr>
<tr>
<td>Complete system is factory tested prior to shipping</td>
<td>Provides confidence in overall system reliability</td>
</tr>
<tr>
<td>Hot gas reheat and compressors mounted within DOAS unit</td>
<td>Ensures proper installation of refrigeration components</td>
</tr>
<tr>
<td>Low sound condenser fans</td>
<td>Significantly reduces sound levels by up to 8 decibels</td>
</tr>
<tr>
<td>Electronically commutated (EC) motor on lead condenser fan</td>
<td>Increases part load reheat capacity and system efficiency</td>
</tr>
<tr>
<td>Indoor or outdoor mounting options</td>
<td>Allows for greater design flexibility of the DOAS unit</td>
</tr>
</tbody>
</table>

Maximum Piping Distance Between Outdoor Air Unit and Remote Condenser

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Limitation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equivalent Piping Length</td>
<td>Maximum 100 ft.</td>
</tr>
<tr>
<td>Piping Rise</td>
<td>Maximum ± 25 ft.</td>
</tr>
</tbody>
</table>

Greenheck does not require external hot gas reheat piping.
**Standard and Optional Features**

1. **Plenum Supply/Exhaust Fan**
   - Direct drive backward-curved plenum fan
   - Neoprene isolation
   - Factory provided variable frequency drive

2. **Construction**
   - 2-inch double-wall construction unit housing and base
   - R13 foam insulation thermally broken
   - Available finishes include:
     - Permatector™ (2,500 hr/salt spray rating under ASTM B117 testing conditions)
     - Hi-Pro Polyester (5,000 hr/salt spray rating under ASTM B117 testing conditions)

3. **Filters**
   - Outdoor air and exhaust filters (pre-wheel)
     - 2-inch MERV 8
     - 2-inch aluminum
   - Supply filters (pre-coil)
     - 2-inch MERV 8 or MERV 13
     - 4-inch MERV 8 or MERV 14
     - Combination of MERV 8 and MERV 11, 13 or 14

4. **Control Center**
   - 24 VAC control voltage
   - Control transformer
   - Non-fused disconnect switch
   - UL Listed, Recognized, or Classified electrical components
   - Factory prewired for single point power connection
   - Phase and brownout protection (PDX)
   - Optional exhaust fan only power

5. **Weatherhood**
   - Aluminum mesh filters
   - Wind-driven rain prevention

6. **Total Energy Wheel (RVE)**
   - Sensible and latent energy recovery
   - Lightweight, segmented wheel for easy cleaning
   - L₁₀ rated bearing life in excess of 400,000 hours
   - Permanently bonded, silica gel desiccant for latent transfer—long term durability
   - Stainless steel housing

7. **Cooling Options**
   - Packaged direct expansion (PDX)
     - Optional modulating head pressure control (EC motor or VFD on lead condenser fan)
   - Chilled water coil
   - Split DX coil with or without remote condenser
   - All coils with copper tubes and permanently expanded aluminum fins
   - Mounted on a stainless steel drain pan
Compressors
- Quiet operating hermetic, scroll-type
- 5 to 70 tons of mechanical cooling
- Optional compressor for lead circuit:
  - Standard scroll
  - Digital scroll
  - Inverter scroll (5 to 70 tons cooling capacity, PDX only)

Optional Accessories
- Building Pressure Sensor
- CO₂ Sensor
- Condensate Overflow Switch
- Condenser Hail Guards
- Dirty Filter Sensor
- Duct Pressure Sensor
- Economizer Control
- Electrofin Coated Coils
- Energy Wheel Bypass Damper
- Microprocessor Remote Interface
- Outdoor/Exhaust Airflow Monitor
- Roof Curbs
- Room Temperature Sensor
- Combination Room Temperature and Humidity Sensor
- Room Thermostat
- Rotation Sensor
- Service Lights
- Service Receptacle
- Smoke Detectors
- Wheel Frost Controls

Outdoor Air and Recirculated Air Dampers
- Low leakage or insulated low leakage
- Modulating actuator

Heating Options
- Indirect gas-fired furnace
  - Optional high turndown furnace (up to 16:1) - patent pending
  - Optional stainless steel heat exchanger with optional 5 or 10 year extended warranty
- Electric heater
  - Silicon controlled rectifier (SCR) control
- Hot water coil

Reheat
- Modulating hot gas reheat
- 6 in. separation between DX and reheat coil components to prevent evaporation of condensate
Radiated Sound

**Quietly Making an Impact**

Greenheck offers a variety of solutions for sound critical applications allowing for unprecedented design flexibility.

- Low sound swept blade condenser fans
- 2-inch R13 foam unit and base
- Compressor isolation
- Tested radiated sound data

Greenheck’s actual radiated sound data is tested in accordance with AMCA 320-07 in our state-of-the-art testing facility, the Robert C. Greenheck Innovation Center.

The low sound condenser fans paired with the radiated sound data of the unit operating at full load allows proper design with actual tested data. For example, if equipment is too loud or placed too closely to other buildings, corrective actions can be time consuming and costly. Greenheck provides low sound condenser fans as standard, offering an average sound power reduction of 5 to 8 decibels when compared to typical condenser fans.

### RADIATED SOUND LEVELS

<table>
<thead>
<tr>
<th>Plane</th>
<th>Octave Bands (Lw)</th>
<th>Plane Lw</th>
<th>Plane LwA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>A</td>
<td>73</td>
<td>85</td>
<td>78</td>
</tr>
<tr>
<td>B</td>
<td>71</td>
<td>79</td>
<td>69</td>
</tr>
<tr>
<td>C</td>
<td>79</td>
<td>77</td>
<td>69</td>
</tr>
<tr>
<td>D</td>
<td>74</td>
<td>77</td>
<td>72</td>
</tr>
<tr>
<td>E</td>
<td>77</td>
<td>84</td>
<td>78</td>
</tr>
<tr>
<td>Total</td>
<td>83</td>
<td>89</td>
<td>82</td>
</tr>
</tbody>
</table>

Tests conducted in accordance with AMCA 320-07 - Laboratory Methods of Sound Testing of Fans Using Sound Intensity.

Free field measurement plane created one foot from unit on all sides and top tested at max capacity.

**Did you know?**

The blade shape of the low sound condenser fan was modeled from one of the best - nature! The barn owl is known for its quietness during flight to fly just above their prey, without being detected. That quietness is attributed to their specialized feathers featuring a serrated edge, very similar to the profile of the fan blades in our low sound condenser fans.
**Web-Based Outdoor Air Selections**

Greenheck’s free, online eCAPS® Engineer Application Suite provides fast and easy selection of HVAC products including RV and RVE products. Go to [ecaps.greenheck.com](http://ecaps.greenheck.com) and see how this comprehensive specifying tool can save you time.

- Online and always up-to-date
- Fast and efficient selection
- Simplified Dedicated Outdoor Air System (DOAS) selection providing:
  - Weights
  - Capacities
  - Dimensional data
  - Revit content
  - Electrical data
  - Unit cut sheets
- Quick comparison of unit options with or without energy recovery
- Scheduling capabilities within minutes

### Energy Recovery Model Comparison

<table>
<thead>
<tr>
<th></th>
<th>Without Energy Recovery</th>
<th>With Energy Recovery</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Model</strong></td>
<td>RV-45-25</td>
<td>RVE-40-15</td>
</tr>
<tr>
<td><strong>Add</strong></td>
<td></td>
<td>Add</td>
</tr>
<tr>
<td><strong>Enthalpy Recovery Ratio (%)</strong></td>
<td>-</td>
<td>52.6</td>
</tr>
<tr>
<td><strong>Relative Price</strong></td>
<td>1.00</td>
<td>0.92</td>
</tr>
<tr>
<td><strong>Weight (lbs)</strong></td>
<td>3,742</td>
<td>3,603</td>
</tr>
<tr>
<td><strong>Dimensions (LxWxH) (in)</strong></td>
<td>109 x 68 x 76</td>
<td>150 x 53 x 66</td>
</tr>
<tr>
<td><strong>MCA/MCP (Amps)</strong></td>
<td>129.0 / 175</td>
<td>86.9 / 110</td>
</tr>
<tr>
<td><strong>Cooling LAT (F)</strong></td>
<td>55.3 / 55.2</td>
<td>55.5 / 55.2</td>
</tr>
<tr>
<td><strong>Cooling Dewpoint (F)</strong></td>
<td>55.1</td>
<td>55.0</td>
</tr>
<tr>
<td><strong>Total Cooling Capacity (MBH)</strong></td>
<td>327</td>
<td>203</td>
</tr>
<tr>
<td><strong>Heating LAT (F)</strong></td>
<td>84</td>
<td>81</td>
</tr>
<tr>
<td><strong>Heating Capacity (MBH)</strong></td>
<td>320</td>
<td>160</td>
</tr>
<tr>
<td><strong>Supply Volume (CFM)</strong></td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td><strong>Outdoor Volume (CFM)</strong></td>
<td>4,000</td>
<td>4,000</td>
</tr>
<tr>
<td><strong>Exhaust Volume (CFM)</strong></td>
<td>-</td>
<td>3,000</td>
</tr>
</tbody>
</table>

**Cost reduction with energy wheel!**

**10 ton reduction with energy wheel!**

**Allows you to choose your exhaust air volume.**

[Close](#)
Models RV-25, 45, 70 and Models RVE-40, 85, 120

<table>
<thead>
<tr>
<th>Unit Size</th>
<th>Nominal tonnage (tons)</th>
<th>Height (H)</th>
<th>Width (W)</th>
<th>Length (L)</th>
<th>Intake (A)</th>
<th>Condensing Section (B)</th>
<th>Nominal weight (lbs)</th>
<th>Outdoor Intake</th>
<th>Supply Discharge</th>
<th>Return Intake</th>
<th>Exhaust Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td>RV-25</td>
<td>5-15</td>
<td>59.3</td>
<td>52.5</td>
<td>98.6''/149.5''</td>
<td>22.1</td>
<td>30.1</td>
<td>2,700</td>
<td>End</td>
<td>Bottom or Side</td>
<td>End³ or Side¹</td>
<td>End³ or Side¹</td>
</tr>
<tr>
<td>RV-45</td>
<td>15-30</td>
<td>72.5</td>
<td>68.2</td>
<td>109''/163.2''</td>
<td>27.7</td>
<td>30.1</td>
<td>4,500</td>
<td>End³ or Side¹</td>
<td>Bottom or Side</td>
<td>End³ or Side¹</td>
<td>Side¹</td>
</tr>
<tr>
<td>RV-70</td>
<td>25-45</td>
<td>90</td>
<td>68</td>
<td>156''/224''</td>
<td>22/27⁴</td>
<td>30</td>
<td>6,400</td>
<td>End</td>
<td>Bottom or Side</td>
<td>End³ or Side¹</td>
<td>Side¹</td>
</tr>
<tr>
<td>RV-110</td>
<td>30-70</td>
<td>99.5</td>
<td>96</td>
<td>185</td>
<td>52.5</td>
<td>Not Applicable</td>
<td>7,950</td>
<td>End</td>
<td>Bottom or End</td>
<td>Side¹</td>
<td></td>
</tr>
<tr>
<td>RVE-40</td>
<td>5-15</td>
<td>59.3</td>
<td>52.5</td>
<td>149.5''/180.5''</td>
<td>22.1</td>
<td>30.1</td>
<td>3,400</td>
<td>End</td>
<td>Bottom or Side</td>
<td>Bottom or Side</td>
<td>Side</td>
</tr>
<tr>
<td>RVE-85</td>
<td>15-30</td>
<td>72.5</td>
<td>68.2</td>
<td>163.2''/197.2''</td>
<td>27.1</td>
<td>30.1</td>
<td>5,100</td>
<td>End</td>
<td>Bottom or Side</td>
<td>Bottom</td>
<td>Side¹</td>
</tr>
<tr>
<td>RVE-120</td>
<td>25-45</td>
<td>90</td>
<td>68</td>
<td>224''⁴</td>
<td>22/27⁴</td>
<td>30</td>
<td>8,300</td>
<td>End</td>
<td>Bottom or Side</td>
<td>Bottom</td>
<td></td>
</tr>
<tr>
<td>RVE-180</td>
<td>30-70</td>
<td>99.5</td>
<td>96</td>
<td>263''³/307''³</td>
<td>47</td>
<td>Not Applicable</td>
<td>10,450</td>
<td>End</td>
<td>Bottom or End</td>
<td>Bottom or Side</td>
<td></td>
</tr>
</tbody>
</table>

All dimensions are shown in inches. Weight is shown in pounds and includes largest supply and exhaust fans, PDX with reheat, largest indirect-gas fired furnace, all dampers and largest energy wheel. Actual weights will vary based on the unit configuration.

1 Only available with powered exhaust
2 Only available without barometric relief
3 Only available with barometric relief
4 Above 12,000 cfm
5 Length with side return
6 Length with bottom return
7 Length with bottom or end return
### Rated Airflow Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Airflow (SCFM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RV-25-5I-*</td>
<td>2325</td>
</tr>
<tr>
<td>RV-25-5D-*</td>
<td>2325</td>
</tr>
<tr>
<td>RV-25-7.5I-*</td>
<td>2300</td>
</tr>
<tr>
<td>RV-25-7.5D-*</td>
<td>2300</td>
</tr>
<tr>
<td>RV-25-7.5S-*</td>
<td>2300</td>
</tr>
<tr>
<td>RV-25-10I-*</td>
<td>2700</td>
</tr>
<tr>
<td>RV-25-10D-*</td>
<td>2800</td>
</tr>
<tr>
<td>RV-25-10S-*</td>
<td>2800</td>
</tr>
<tr>
<td>RV-25-12.5I-*</td>
<td>3400</td>
</tr>
<tr>
<td>RV-25-12.5D-*</td>
<td>3550</td>
</tr>
<tr>
<td>RV-25-12.5S-*</td>
<td>3550</td>
</tr>
<tr>
<td>RV-25-15I-*</td>
<td>3775</td>
</tr>
<tr>
<td>RV-25-15D-*</td>
<td>3775</td>
</tr>
<tr>
<td>RV-25-15S-*</td>
<td>3775</td>
</tr>
<tr>
<td>RV-45-15I-*</td>
<td>4100</td>
</tr>
<tr>
<td>RV-45-15D-*</td>
<td>4100</td>
</tr>
<tr>
<td>RV-45-15S-*</td>
<td>4100</td>
</tr>
<tr>
<td>RV-45-17.5I-*</td>
<td>4650</td>
</tr>
<tr>
<td>RV-45-17.5D-*</td>
<td>4650</td>
</tr>
<tr>
<td>RV-45-17.5S-*</td>
<td>4650</td>
</tr>
<tr>
<td>RV-45-20I-*</td>
<td>4900</td>
</tr>
<tr>
<td>RV-45-20D-*</td>
<td>5100</td>
</tr>
<tr>
<td>RV-45-20S-*</td>
<td>5100</td>
</tr>
<tr>
<td>RV-45-25I-*</td>
<td>5750</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Airflow (SCFM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RV-45-25D-*</td>
<td>5600</td>
</tr>
<tr>
<td>RV-45-25S-*</td>
<td>5600</td>
</tr>
<tr>
<td>RV-45-30I-*</td>
<td>6000</td>
</tr>
<tr>
<td>RV-45-30D-*</td>
<td>6000</td>
</tr>
<tr>
<td>RV-45-30S-*</td>
<td>5750</td>
</tr>
<tr>
<td>RV-70-25D-*</td>
<td>6500</td>
</tr>
<tr>
<td>RV-70-25S-*</td>
<td>6500</td>
</tr>
<tr>
<td>RV-70-30D-*</td>
<td>7000</td>
</tr>
<tr>
<td>RV-70-30S-*</td>
<td>7000</td>
</tr>
<tr>
<td>RV-70-35D-*</td>
<td>7000</td>
</tr>
<tr>
<td>RV-70-35S-*</td>
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<td>RV-70-43D-*</td>
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<tr>
<td>RV-70-43S-*</td>
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<td>RV-110-30D-*</td>
<td>9000</td>
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<td>RV-110-40D-*</td>
<td>10500</td>
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<tr>
<td>RV-110-50D-*</td>
<td>10500</td>
</tr>
<tr>
<td>RV-110-30I-*</td>
<td>9000</td>
</tr>
<tr>
<td>RV-110-40I-*</td>
<td>10500</td>
</tr>
<tr>
<td>RV-110-50I-*</td>
<td>10500</td>
</tr>
<tr>
<td>RVE-180-30D-*</td>
<td>9000</td>
</tr>
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<td>RVE-180-40D-*</td>
<td>10500</td>
</tr>
<tr>
<td>RVE-180-50D-*</td>
<td>10500</td>
</tr>
<tr>
<td>RVE-180-30I-*</td>
<td>9000</td>
</tr>
<tr>
<td>RVE-180-40I-*</td>
<td>10500</td>
</tr>
<tr>
<td>RVE-180-50I-*</td>
<td>10500</td>
</tr>
</tbody>
</table>

Full load rating airflow per AHRI 340/360

### Model Number Code

The Model Number Code is designed to completely identify the unit. The correct code letters must be specified to designate the configurations and size.

- **RV**: Base model
- **RVE**: With Energy Recovery

#### Nominal Airflow
- 25: 2,500 cfm
- 40: 4,000 cfm
- 45: 4,500 cfm
- 70: 7,000 cfm

#### Nominal Tonnage
- 8: 8,500 cfm
- 10: 10,000 cfm
- 12: 12,000 cfm
- 16: 16,000 cfm

#### Airflow Rate
- H: High
- L: Low

#### Wheel Diameter
- 15: 1½ in.
- 30: 3 in.

#### Wheel Thickness
- 15: 1½ in.
- 30: 3 in.

#### Compressor
- I: Inverter
- D: Digital Scroll
- S: Standard

#### Remote Condenser
- P: 700 mbh
- Q: 800 mbh
- R: 1000 mbh
- S: 1200 mbh

#### Furnace Input
- A: 50 mbh
- B: 75 mbh
- C: 100 mbh
- D: 125 mbh
- E: 150 mbh
- F: 175 mbh
- G: 200 mbh
- H: 225 mbh
- I: 250 mbh
- J: 300 mbh
- K: 325 mbh
- L: 350 mbh
- M: 400 mbh
- N: 500 mbh
- O: 600 mbh
Outdoor Air Solutions

**Challenge: Conditioning High Percentage Outdoor Air with Minimal Energy Usage**

- High capacity (6-row) cooling coil
- 2-inch double-wall R13 foam construction
- (optional) Energy recovery wheel to precondition the outdoor air
- (optional) Modulating hot gas reheat coil
- (optional) Inverter compressor
- (optional) High turndown indirect gas-fired furnace
- (optional) Modulating head pressure control

**Challenge: Controlling Outdoor Air Volume**

- Low leakage dampers with modulating actuator
- Factory mounted and wired microprocessor controller
- Energy efficient control sequences
- Direct drive backward-curved plenum fan with factory mounted VFD
- Remote monitor and control from web-user interface

**Challenge: Critical Sound Applications**

- Low sound condenser fans
- Radiated sound data off five planes of unit tested at full load
- 2-inch R-13 foam insulated unit base
- Compressor isolation
- (optional) Inverter scroll at part load
- (optional) Electronically commutated (EC) motor

**Challenge: Finding a Manufacturer Dedicated to Outdoor Air**

Models RV and RVE
- 5 to 70 tons
- 800 to 18,000 cfm

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**Our Commitment**

*As a result of our commitment to continuous improvement, Greenheck reserves the right to change specifications without notice.*

Product warranties can be found online at Greenheck.com, either on the specific product page or in the literature section of the website at Greenheck.com/Resources/Library/Literature.

Greenheck P.O. Box 410 • Schofield, WI 54476-0410 • Phone (715) 359-6171 • greenheck.com

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