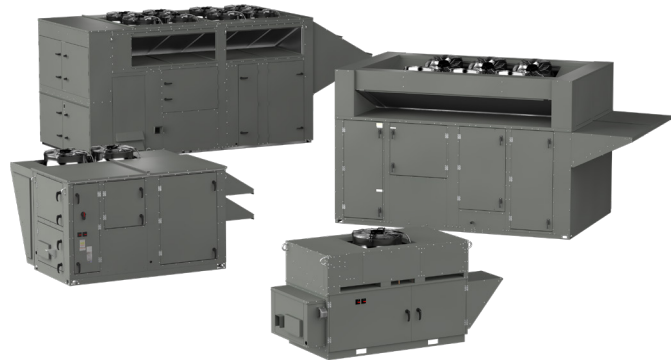


Models RV, RVE, and RVC

Product Features for High-Percentage Outdoor Air Applications

- 3 to 70 tons of nominal cooling
- 500 to 18,000 cfm and 3 in. wg ESP
- 75 to 1,200 mbh heating capacity
- Optional total energy recovery device
- Direct drive, VFD driven, backward-inclined fans



Featuring two-inch double-wall construction and R13 foam injected insulation, models RV, RVE, and RVC are ideal for 100% outdoor air, variable air volume, and single zone applications. The factory-programmed, wired, and tested controller can operate as a stand-alone unit or integrate with a building management system (BMS).

Greenheck's comprehensive line of high percentage outdoor air units can meet a wide range of heating, cooling, dehumidification, and ventilation requirements.

Inverter Compressor

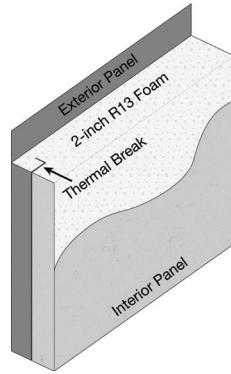
The inverter compressor, available from 3 to 70 tons, improves part-load efficiencies by 15-20% on average compared to a digital scroll compressor. Providing an inverter compressor can improve the Integrated Energy Efficiency Ratio (IEER), up to 21.4. This improvement means more energy savings when configured on the RV, RVE, and RVC. Inverter compressors not only reduce the unit's energy consumption, but also provide tight temperature and humidity control and a quieter compressor option, making it a triple value and a great specifiable feature on the RV, RVE, and RVC housings.

FEATURE	DIGITAL COMPRESSOR	INVERTER COMPRESSOR
Improved part-load efficiency	X	✓
Precise temperature control	✓	✓
Quieter sound levels	X	✓
Wider application and code compliance reach	X	✓



Foam Injected Panels

Greenheck's two-inch double-wall foam injected panel design ensures there are no voids in the double-wall panels. This insulation reduces thermal losses and prevents condensation formation on the unit. Treated air remains in the cabinet providing a more efficient unit with high-quality performance in challenging rooftop environments. Competitor foam panel boards do not provide uniform coverage resulting in less thermal resistance.



Performance Coating

Greenheck's standard pre-painted units achieve a 2,500 hour salt spray rating when using standard testing methods per ASTM B117. Greenheck also offers a Hi-Pro Polyester coating with a 5,000 hour salt spray rating for harsher coastal or industrial environments. Providing painted cabinets as standard ensures a high-quality product that will improve the longevity of your HVAC equipment.



Horizontal Duct Connections

Greenheck's units offer optional side supply discharge and side or end return air intake. The optional vertical or horizontal duct connections allow for flexible installation and eliminates the need for a costly, tall plenum curb.



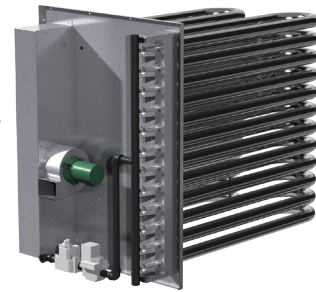
Low Sound Condensing Fans

Greenheck includes low-sound condenser fans as standard that provide an average sound power reduction of 5-8 decibels; when compared to standard condenser fans. This reduction in sound power results in a perceived sound level reduction of up to 50%! The swept-blade design produces less noise emissions, allowing for more installation flexibility in sound sensitive applications. A lead electronically commutated motor is standard for providing increased system efficiency and additional sound power reduction at part load conditions.



High Turndown Furnace

Greenheck units offer high turndown furnaces, up to 16:1, enabling them to maintain comfortable discharge air temperatures at part-load conditions. The high turndown furnace will reduce overshooting setpoint temperatures, which in turn will decrease furnace cycling. As heating demand and airflow vary, the need for a high turndown furnace increases, especially when demand is low.



Enthalpy Recovery Options

Greenheck offers a wide range of enthalpy recovery

Total Enthalpy Wheel (Model RVE)		
Material	Polymer	Aluminum
Airflow Range	500-18,000 cfm	1,230-13,320 cfm
Effectiveness	70-80%	
Cross Leakage	3-5%	

Total Enthalpy Core (Model RVC)		
Material	Fiber	Polymer
Airflow Range	500-6,500 cfm	500-15,000 cfm
Effectiveness	50-60%	55-65%
Cross Leakage	0-1%	

