

Packaged Rooftop Units



Energy recovery wheels 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.

Best Available Program
25 Days

Model RV and RVE

The RV and RVE (with energy recovery) are pre-engineered rooftop ventilators specifically designed to condition and deliver mixtures of outdoor and return air to a building. Pre-engineered features provide semi-custom flexibility while maintaining the quality, consistency, and value of a standardized product.

Application

The RV and RVE have been specifically designed to meet the challenges of introducing high percentages of outdoor air into a building. Features include minimizing energy consumption, control outdoor air volume, and maintain high levels of indoor air quality. This makes the RV and RVE ideal for ventilation applications in which the supply air volume consists of 20% or more outdoor air.

Benefits

- Factory-mounted variable frequency drive for supply air volume control
- Outdoor and return air dampers for mixed air control
- Onboard microprocessor for precise temperature and humidity control
- Single source responsibility for all conditioning of outdoor air

Quick Build Performance

Capacities range from 800 to 13,500 cfm and up to 3 in. wg of external static pressure.

Standard Construction	
Double-wall galvanized steel construction with 2-inch R13 foam insulation	
Hinged access doors	
Total enthalpy wheel certified to AHRI Standard 1060 (RVE only)	
2-inch MERV 8 and/or MERV 13 or 4-inch MERV 14 outdoor, supply and exhaust air filters	
Outdoor air and recirculated air dampers	
Microprocessor control	
Direct drive, backward-curved plenum fan	
Mounted and wired supply/exhaust fan variable frequency drive (VFD)	
Single-point wiring	
Non-fused disconnect	
Low sound condenser fans	
Options and Accessories	
Roof curb	Room sensing options/room thermostat
Aluminum mesh outdoor air weatherhood	Wheel frost controls
Microprocessor remote interface	Rotation sensor
BMS Communication	Airflow monitoring
Packaged direct expansion (PDX) or split DX coils, or chilled water	CO ₂ sensor
	Duct pressure sensor
Indirect gas-fired furnace, hot water or electric heat	Building pressure sensor
	Wheel economizer control
Modulating hot gas reheat	Smoke detectors
Optional recirculation damper for 20-100% outside air	Dirty filter sensor
	Service receptacle
Optional high turndown furnace (up to 16:1, patent pending)	Permatector™ or Hi-Pro Polyester protective finish