



Dedicated Outdoor Air Systems Models RV, RVE, and RVC Datasheet

| | | Models | | | | |
|--------------------------------|-------------------------------------|--------------------------|--------------|------------------------|-------------------------|-------------------|
| | | RV (10, 25, 45, 75, 110) | | RVE (40, 85, 150, 180) | | RVC (35, 65, 145) |
| Housing Size | | 10 | 25 35 40 | 45 65 85 | 75 150 | 110 145 180 |
| AIRFLOW | Minimum ^a (CFM) | 500 | 500 | 2,250 | 3,750 | 3,750 |
| | Maximum ^a (CFM) | 2,500 | 6,500 | 10,000 | 16,000 | 18,000 |
| COOLING TYPE | Packaged direct expansion | Tons | Tons | Tons | Tons | Tons |
| | | 3 | 5 | 15 | 25 | 30 |
| | | 4 | 7 | 17.5 | 30 | 40 |
| | | 5 | 10 | 20 | 40 | 50 |
| | | 6 | 12.5 | 25 | 50 | 60 |
| | | 7 | 15 | 30 | — | 70 |
| | | Circuits | Circuits | Circuits | Circuits | Circuits |
| | | 1 | 1 | 1 | 2 | 2 |
| | Split direct expansion ^b | - | Option | Option | - | - |
| | Chilled water | Options | Option | Option | Option | Option |
| Air-source heat pump | - | Option | Option | - | - | |
| No cooling | Option | Option | Option | Option | Option | |
| PACKAGED DX COOLING COMPONENTS | Inverter scroll compressor | Standard | Standard | Standard | Standard | Standard |
| | Modulating hot gas reheat | Option | Option | Option | Option | Option |
| | Lead EC condensing fan | Standard | Standard | Standard | Standard | Standard |
| | All EC condensing fans ^c | - | Option | Option | Option | Option |
| INDIRECT GAS FURNACE | Minimum (MBH) | 75 | 100 | 300 | 600 | 600 |
| | Maximum (MBH) | 200 | 300 | 500 | 1,200 | 1,200 |
| | Turndown (NG) | Up to 16:1 | Up to 16:1 | Up to 16:1 | Up to 16:1 | Up to 10:1 |
| | Turndown (LP) | Up to 16:1 | Up to 16:1 | Up to 16:1 | Up to 16:1 ^d | - |

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|-----------------|--------------------------------------|--------------------------|---------------------|------------------------|---------------------|---------------------|
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| Housing Size | | 10 | 25 35 40 | 45 65 85 | 75 150 | 110 145 180 |
| ELECTRIC HEAT | Minimum (kW) | 5 | 15 | 35 | 40 | 50 |
| | Maximum (kW) ^e | 60 | 60 | 120 | 230 | 200 |
| OTHER HEAT | Air-source heat pump | - | Option | Option | - | - |
| | Hot water | Option | Option | Option | Option | Option |
| | Steam coil | - | Option | Option | Option | Option |
| ENERGY RECOVERY | Polymer Enthalpy Wheel | - | Option | Option | Option | Option |
| | Aluminum Enthalpy Wheel ^c | - | Option | Option | Option | Option |
| | Polymer Enthalpy Core | - | Option | Option | - | Option |
| | Fiber Enthalpy Core | - | Option | Option | - | - |
| CONTROLS | Full controls | Standard | Standard | Standard | Standard | Standard |
| | Heat-cool only | Option | Option ^f | Option ^f | Option | Option |
| | Web user interface | Standard | Standard | Standard | Standard | Standard |
| CONSTRUCTION | Insulation | 2" double-wall R-13 | 2" double-wall R-13 | 2" double-wall R-13 | 2" double-wall R-13 | 2" double-wall R-13 |
| | Exterior | Gray prepainted | Gray prepainted | Gray prepainted | Gray prepainted | Gray prepainted |
| | Interior | Galvanized | Galvanized | Galvanized | Galvanized | Galvanized |
| CERTIFICATION | AHRI 1060 | N/A | Compliant | Compliant | Compliant | Compliant |
| | ASHRAE 90.1-2019 | Compliant | Compliant | Compliant | Compliant | Compliant |
| | DOE 2023 | Compliant | Compliant | Compliant | Compliant | Compliant |

Refer to Greenheck's CAPS[®] selection software or the Mechanical IOMs for additional detail.
a Indicates total supply airflow. Variables such as energy recovery, cooling and heating options, design conditions, external static pressure, and others will affect these values.
b Remote condensing unit must be provided by others. Not available with air source heat pump.
c Not available on 575 V units
d LP furnaces available on 600 and 800 mbh furnaces only
e Max kW is dependent on unit voltage
f Not available with the fiber core