Selection Guide

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<th>Unit Size – Tons</th>
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Benefits at a Glance

For Building Owners and Managers
- Easy system monitoring
- Reduced operating expense
- Advanced IAQ solutions
- Supports LEED® certification
- Delivers greater occupant comfort

For Consulting Engineers
- ASHRAE 90.1 compliant
- Advanced IAQ solutions
- HFC refrigerant
- Simple to specify
- System-integrated controls

For Contractors
- Streamlined installation
- Easy to service
- Extensive factory-installed options
- Ideal for replacement
- 100 Percent run-tested units

A Legacy of Training

Willis H. Carrier began training members of the heating, ventilation, air conditioning and refrigeration industry in 1905. Carrier continues to promote technical expertise in the industry with the expansion of its sustainable solutions curriculum and has recently been named a U.S. Green Building Council Education Provider (USGBC EP). To earn this status, Carrier’s course materials were reviewed by a panel of USBGC peers and deemed to provide the high level of quality required for training Leadership in Energy and Environmental Design (LEED) professionals. The courses and workshops supporting LEED-Accredited Professional and Green Associates credential maintenance are administered through Carrier University.
Weather Series
Single-Packaged Rooftop Units
Factory-Packaged VAV Solution

Flexibility
Units are provided with dedicated vertical or horizontal supply/return configurations to allow easy utilization on replacement jobs or new construction applications. The rooftop units may be configured to precisely match the building requirements through the use of factoring installed options such as: integrated economizer, power exhaust, Humid-Mizer® adaptive dehumidification system, premium efficiency indoor fan motors and coil protection options.

Efficiency
Weather Series rooftop units save money in operating costs through a variety of means. These units utilize Novation® heat exchanger technology for improved operating efficiency. The staging of Weather Series units equipped with scroll compressors allows the capacity of the unit to be precisely matched to the cooling/heating requirements of the building. Variable-frequency drive (VFD)-controlled high-efficiency indoor fan motors conserve energy while providing the airflow requirements for superior temperature control. These energy efficiency features insure that you maximize the value of your energy expenditures.

Indoor Air Quality
Weather Series rooftop units’ indoor air quality options include: double wall construction with Agion® coating, economizer control via outdoor air temperature, enthalpy, or CO₂, sloped condensate drain pan available in stainless steel, gear-driven economizers capable of handling 100 percent outdoor air, demand control ventilation (DCV), and high-efficiency filtration systems.

Serviceability
Weather Series large rooftop units are designed with low life cycle costs in mind. A key component of life cycle cost is installation and service. Carrier rooftop units excel in this area by providing: single point electrical connections — making electrical service access available through the roof curb or the side of the unit — large-sized hinged access panels and built-in diagnostic routines.

The Right Level of Control
Carrier ComfortLink controls make it easy to monitor and control each Weather Series rooftop unit. The large scrolling marquee and optional navigator display act as windows into the unit’s operation. These features simplify unit start-up and provide the maintenance technician with all of the unit’s operational and performance data. In addition, Weather Series rooftop units with Carrier ComfortLink controls are also configured for use with the Carrier Comfort Network® (CCN) controls system or other communication protocols. This on-board communication capability can provide remote control as well as monitoring, data collection and alarms.

For all your comfort needs, Carrier has the right level of control.

WeatherMaster®
Weather Series single-packaged rooftop units by Carrier provide solutions for every comfort-conditioning requirement. The Weather Series rooftop units in 20 ton and larger capacities are designed for optimal performance with Puron® refrigerant.

WeatherMaker® A-Series
20 – 60 ton, CV or VAV
Ideal for replacement application
Carrier ComfortLink controls

WeatherMaster P-Series
30 – 100 ton, CV or VAV
Wide range of options
Applied System in a box
Carrier ComfortLink controls

WeatherMaker® 48/50A
Low Leak Economizer
Dual Independent Refrigeration Circuits
Variable Frequency Drive
Carrier ComfortLink controls

Large Access Doors
Gas or Electric Heating
High Efficiency Scroll Compressors
Novation® Heat Exchanger Technology