Weather Series
Single-Packaged Rooftop Units
20 - 100 Ton

Selection Guide

	Unit Size – Tons												
	20	25	27	30	35	40	50	55	60	70	75	90	100
WeatherMaker A-Series	✓	✓	✓	✓	✓	✓	✓		✓				
WeatherMaster P-Series				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

Factory-Installed Options

- Digital Compressor
- Hot Gas Bypass
- SCR Electric Heat
- Hydronic Heat
- CO_2 Sensor
- Return Fan
- Adaptive Dehumidification
- Modulating Gas Heat
- UV-C Germicidal Lamps
- Non-Fused Disconnect
- BACnet® Communication
- High Efficiency Filtration
- 115V Convenience Outlet
- Stainless Steel Drain Pan
- Modulating Power Exhaust
- Low Outdoor Sound
- Low Ambient Control
- Double Wall Construction
- Smoke Detector
- Enthalpy Control Economizer
- Dry Bulb Control Economizer
- Stainless Steel Heat Exchanger
- *Enviro-Shield*™ Coil Protection

Agion® is a registered trademark of Sciessent LLC
BACnet® is a registered trademark of the American Society of Heating and Air-Conditioning Engineers
LEED® is a registered trademark of the U.S. Green Building Council

The Future of the World Depends on Our Ability... to Sustain it.

As the world's leader in high technology heating, air-conditioning and refrigeration solutions, we believe that market leadership requires environmental leadership. Carrier sets industry standards for environmentally sound business practices and a commitment to sustainability across its products, services and operations. We demonstrate this commitment by creating environmentally responsible solutions that consume less energy and incorporate innovations that improve the world — indoors and out.

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.

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Weather Series
Single-Packaged Rooftop Units
Factory-Packaged VAV Solution

WeatherMaster®

WeatherMaker®

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.

WeatherMaster® units provide high-energy efficiency to meet or exceed the latest ASHRAE 90.1 requirements and offer a wide range of feature choices to meet unique application and comfort requirements.

WeatherMaker® products provide competitively priced cooling and heating that meets the latest ASHRAE 90.1 energy efficiency requirements.

Weather Series rooftop units offer a wide range of options for either factory or field installation. With leading energy efficiency levels, backward replacement capability, and a host of available options, the Weather Series units are ideal for replacement applications and new construction projects.

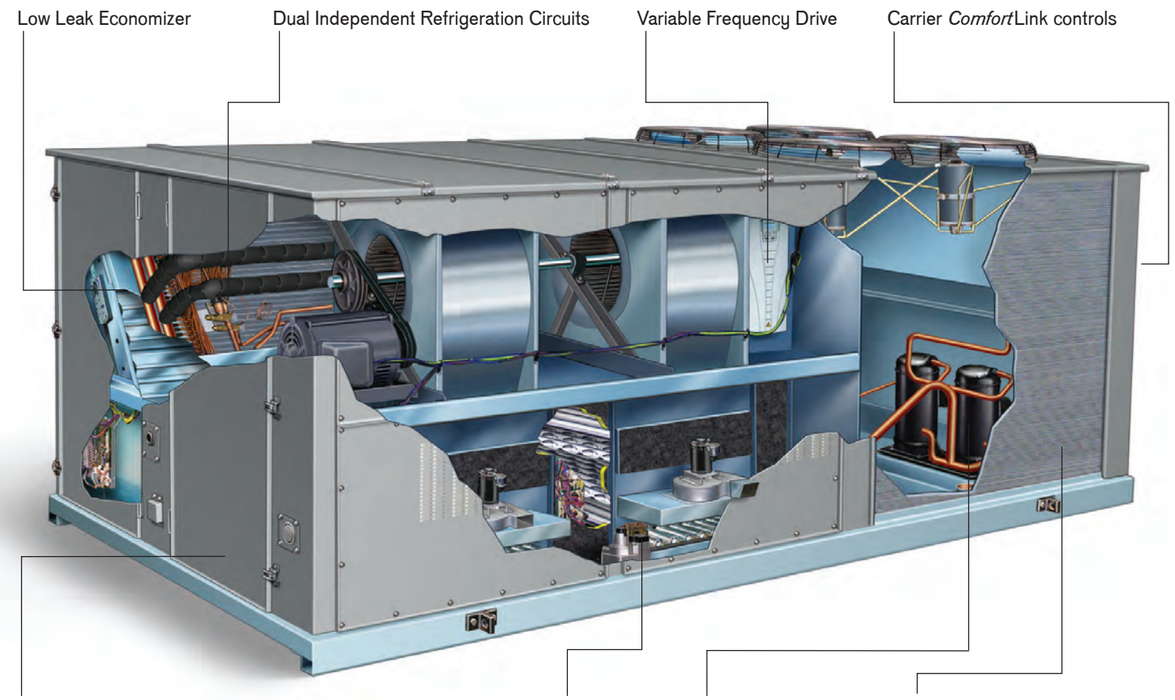
Flexibility
Units are provided with dedicated vertical or horizontal supply/return configurations to allow easy utilization on replacement jobs or new construction applications. The rooftop units may be configured to precisely match the building requirements through the use of factory-installed options such as: integrated economizer, power exhaust, Humidi-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 unit's indoor air quality options include: double wall construction with Agion® coating, economizer control via outdoor air temperature, enthalpy, or CO_2, sloped condensate drain pans available in stainless steel, gear-driven economizers capable of handling 100 percent outdoor air, demand control ventilation (DCV), and high-efficiency filtration systems.

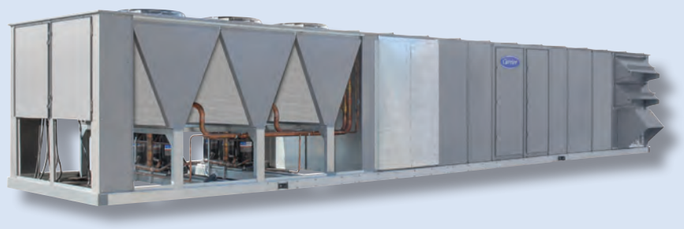
Serviceability
Weather Series large rooftop units are designed with low life cycle costs in mind. A key component of life cycle cost is installation and service. Carrier rooftop units excel in this area by providing: single point electrical connections — making electrical service access available through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

WeatherMaker® 48/50A





WeatherMaker A-Series
20 – 60 ton, CV or VAV
Ideal for replacement application
Carrier *Comfort*Link controls



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

The Right Level of Control

Carrier *Comfort*Link controls are your link to a world of simple and easy-to-use rooftop units that offer outstanding performance and value. The Weather Series rooftop units are uniquely designed in that the controls will support both constant volume (CV) and variable air volume (VAV) applications.

Carrier *Comfort*Link controls maintain control over the unit's major systems including the compressor, condenser fans, supply fan, economizer and power exhaust. Based on input from a space temperature sensor or a simple thermostat, the control optimizes the performance of the multiple refrigeration circuits to maintain occupant comfort as conditions change.

Carrier *Comfort*Link 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 *Comfort*Link 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.