

WeatherExpert™ 75–150 Ton Single-Package Rooftop Units



Performance, Innovation, Reliability.

Carrier's new WeatherExpert™ commercial packaged rooftop, with capacity of 75 to 150 tons, is an all new from the ground-up design built to provide low cost of ownership. The flexible design of this new unit makes it suitable for a wide range of applications and contributes to low installation, maintenance, and energy costs.

These new 75 to 150 ton WeatherExpert models have what is required for today's and tomorrow's market needs. During the development process, Carrier team members included many of the industry's best installers, engineers, owners, contractors and architects. As a result, these new units perform, are innovative, and are reliable.

Features

- Puron® Refrigerant (R-410A)
- IEERs up to 13.5
- Gas Heat and Electric Heat Models
- Standard and High Capacity/Efficiency Models*
- Constant Volume, SAV™ (Staged Air Volume) and Variable Air Volume
- Vertical, Horizontal and Mixed Air Configurations
- Double Wall Foam Panels

* Available on all models except 150 ton.





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- 1** • Novation® Heat Exchanger with Microchannel Coil Technology
- 2** • Multi-Stage Scroll Compressors or Digital Scroll Compressor Option
- 3** • Multi-Protocol Communication Capabilities
 - Integrated ComfortLink Controls:
 - Auto Component Testing
 - Carrier Navigator Interface
 - Prognostics and Diagnostics
 - Factory Reset
- 4** • Gas Heat:
 - 5 Size Ranges of Gas Heat up to 2.5 MBtuh
 - Multi-Stage or Modulating Control
 - Modulating Turndown up to 18:1
- Electric Heat:
 - 5 Size Ranges of Electric Heat up to to 300 KW
 - Multi Staged or SCR Control Option
- Hydronic Heat:
 - 8 Size Ranges of Hydronic Heat up to 2.7 MBtuh
 - Hot Water or Steam Options

- 5** • High Static Airfoil Supply Air Fan
 - VFD Control with Soft Start Capability
 - 2" Spring Vibration Isolation
- 6** • Electronic Expansion Valve (EXV) Controlled
 - ASHRAE 62.1 Compliant Stainless Steel Condensate Pan
 - Patented Humidi-MiZer® Dehumidification System Option
 - Enhanced Intertwined Coil Design
- 7** • Ultra Low Leak Economizer per AMCA standard 500
 - Cfm Measurement Option
 - Power Exhaust Option:
 - Forward Curve
 - Modulating Control with VFD
 - High Static Option
 - Return Fan:
 - Air Foil Plenum
 - Modulating Control with VFD
 - High Static Option

Full Line of Factory-Installed Options and Field-Installed Accessories:

VFD Bypass
 65 kA SCCR
 Belt Guard
 TEFC Motors
 High Static Fan
 Agion® Interior
 Airflow Sensors
 Return Fan
 Flue Extension
 Humidity Control
 UV-C Lamps
 Service Valves
 Phase / Voltage Monitor
 Hot Gas Bypass
 Corrosion Protection
 Building Pressure Control
 Energy Recovery
 Low Outdoor Sound
 Low Ambient Control
 Full Stages at 125°F
 Extended Lube Lines
 Discharge Plenum
 Marine Lights
 Heat Reclaim
 Filtration Options
 Economizer
 Field Use Control Box
 Non-Fused Disconnect
 Convenience Outlet
 Security Grille
 Replaceable Core Driers

To help contribute to LEED certification, these new units are high efficiency, use Carrier's Novation Heat Exchanger with microchannel condensers and low volume of Puron Refrigerant (R-410A).



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