



Turn to the experts

## Carrier Weather Series Rooftop Units\* with EcoBlue™ Technology



This time, we reinvented the wheel.



# Introducing Carrier Weather Series Rooftop Units\* with all-new EcoBlue™ Technology

As the heating, ventilating and air-conditioning (HVAC) experts for more than a century, Carrier continuously leads the industry by driving innovation. This time, with our latest enhancements to Weather Series Rooftop Units,\* we've reinvented the wheel.

Exclusive, new EcoBlue Technology was designed to improve performance and efficiency while decreasing maintenance and installation costs. The industry's first beltless direct-drive vane axial fan for rooftop units\* is just one of many technological advances that prove that not all rooftop units are created equal. Other enhancements include a new control board and coil technology, permanently lubricated motor bearings, tool-less filter access doors and more – all available on this multi-efficiency offering.

## 1 INNOVATIVE OUTDOOR FAN SYSTEM

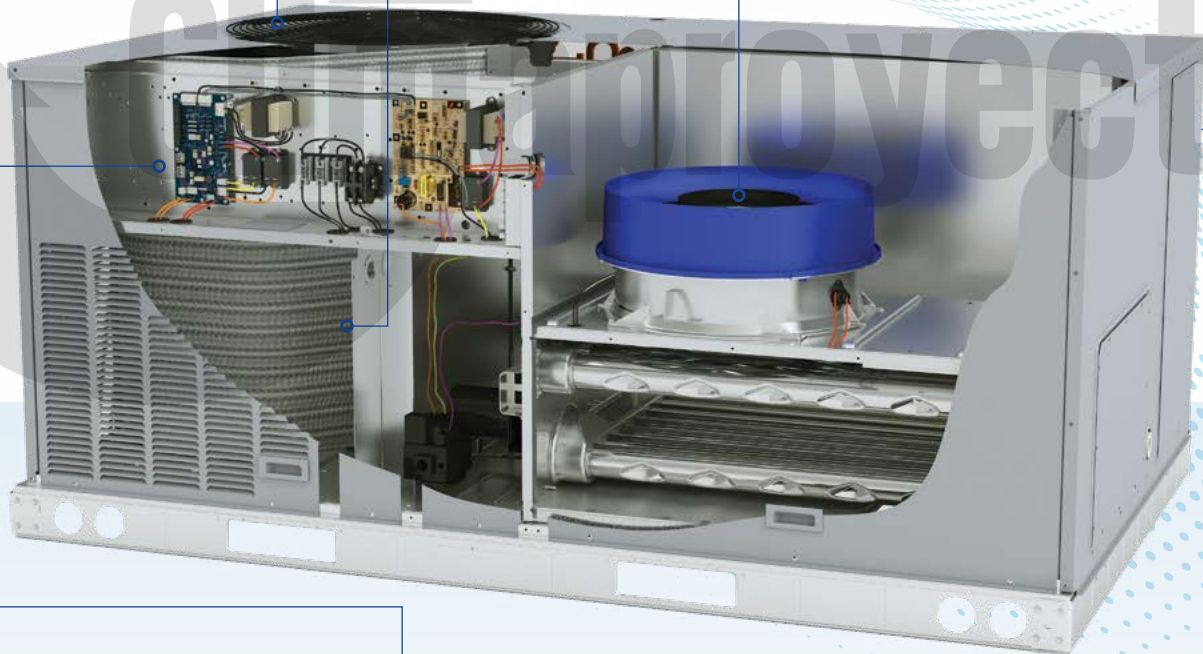
New Weather Series Rooftop Units\* feature an outdoor fan system with an exclusive, innovative design. Its high-density composite fan blade provides long-lasting quality, and the blade is dynamically balanced for quieter operation. Permanently lubricated motor bearings also provide high-efficiency operation and reliability.

## 2 UNIT COIL DESIGN

Carrier units use a time-tested round tube plate fin condenser coil design. In addition to their proven reliability, the 5/16" copper tube and aluminum fin condenser coils help enhance efficiency and reduce refrigerant charge.

## 3 VANE AXIAL INDOOR FAN

This innovative, patent-pending technology replaces traditional belt drive fans with a simpler, more compact design that's the first of its kind in the industry for this type of equipment.\* It delivers quiet operation and reduced operating costs through features including a direct-drive ECM motor and dynamically balanced blade fan.



## 4 NEW UNIT CONTROL BOARD

To make unit setup and service simpler, the updated Weather Series Rooftops\* have been equipped with a new control board. The board offers dedicated indoor fan setup with a large field wiring terminal connection, an intuitive speed dial and switch operation. It's so simple that no special trades or training is required.



## 5 OPTIONAL SYSTEMVU™ CONTROLS

To bring the benefits of smarter diagnostics to Weather Series Rooftop Units,\* all models now include intelligent SystemVu controls. SystemVu controls make installation and startup simpler while providing ongoing real-time information to help ensure the efficient operation and optimum performance of the unit.



## 6 TOOL-LESS FILTER ACCESS DOOR

As part of our commitment to designing for simplified maintenance, Carrier has equipped new Weather Series Rooftop Units\* with filter access doors that can be opened without tools. This allows for quick and easy access to service, check and change filters.



# Industry-first EcoBlue™ Technology

## INNOVATIVE FEATURES

With EcoBlue Technology, we've put a whole new spin on fan systems, replacing belt drive designs with an all-new vane axial indoor fan. This exclusive innovative technology delivers a simpler, more compact design that you have to see to believe.



Features like a direct-drive ECM motor enables greater efficiency in airflow systems while a dynamically balanced blade fan provides reliable performance. Plus, a simplified design helps lower installation and maintenance costs.

Even more impressive than everything that went into our new Weather Series Rooftops\* with EcoBlue Technology is everything that came out.



75% fewer moving parts



Intuitive fan speed adjustment controls



Up to 40% more energy efficient<sup>1</sup>



No belts or pulleys



No shaft or shaft bearings

## ORIGINAL DESIGN AND FIT

We've revolutionized the rooftop category by making a number of innovative changes to our Weather Series Units.\* But one thing that's just as important is what we didn't change. In terms of footprint, we built on an original, using the same Carrier unit design that's been trusted for years. This makes for hassle-free replacement of existing units and keeps installation costs down.

## EFFICIENCY ACROSS MODELS

Weather Series Units\* are available in multiple efficiency levels, so you can choose the right option available for varying customer needs and budgets. Weather Series Units with EcoBlue Technology are up to 40% more efficient,<sup>1</sup> ensuring lower operating costs regardless of the selected unit.

## Same Efficient Unit Design



Low installation costs

Original fit for hassle-free replacement

Local inventory immediately available

\*Select models. Ask your local Carrier expert or visit [Carrier.com/ecoblue](http://Carrier.com/ecoblue) for details.

<sup>1</sup>As compared to our traditional belt-drive fans.



## Benefits at a Glance

- **High-efficiency operation** via innovative fan systems and coil design
- **Simplified maintenance** due to fewer parts, new control board and tool-less filter access
- **Built on the original footprint** for cost-effective, hassle-free installation
- **Optimum performance** with intelligent system controls



## Carrier Rooftop Unit Product and System Support

- **Commercial Invest Software:** This fast, easy and free software enables you to determine energy cost savings, payback and lifecycle costs for rooftop unit applications.
- **Carrier Rooftops App:** The first app of its kind in the commercial HVAC industry, the Carrier Rooftops app allows you to perform on-the-spot selection of rooftop units for both replacement and new construction, and estimate energy savings between Carrier Weather Series Units.\*
- **Controls:** Wi-Fi commercial controls like the Carrier Connect™ thermostat keep building operators connected to their facility's HVAC system via smartphone, tablet or computer.



- **Training:** Carrier University is the premier learning organization in the HVAC industry, offering comprehensive training through state-of-the-art classrooms around the world, self-study materials and web-based systems.



To find training courses, materials and tools online, visit **CarrierUniversity.com**. Local training may also be available in your area. Ask your local Carrier expert to learn more.

- **Expert Local Support and Inventory:** Carrier has an unsurpassed range of options to accommodate any size job or application and the inventory to get you the products you need when you need them with our unparalleled network of over 475 locations. Whether it's a replacement or new construction, the place to start is with your Carrier Commercial Expert.



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48/50FC – 3 to 5 Ton Models  
48/50GC – 3 to 5 Ton Models

48/50FC – 6 Ton Models

[carrier.com/ecoblue](http://carrier.com/ecoblue)