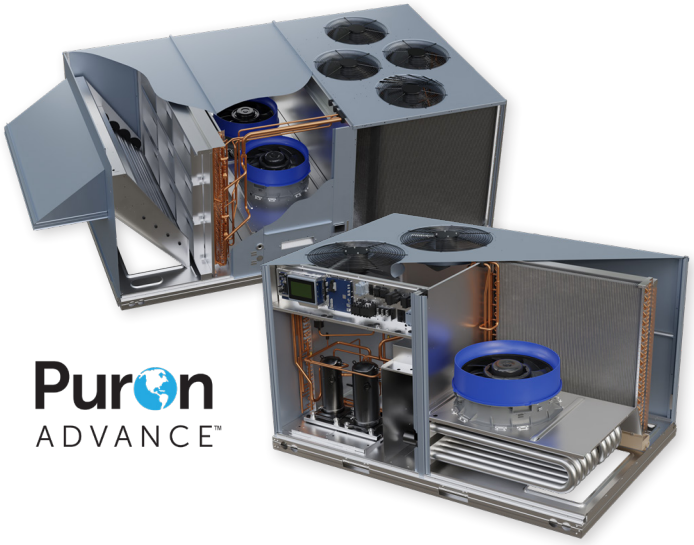
Carrier

Turn to the experts

Packaged Rooftops with EcoBlue™ Fan Technology



Puron ADVANCE™

3 - 27.5 Ton



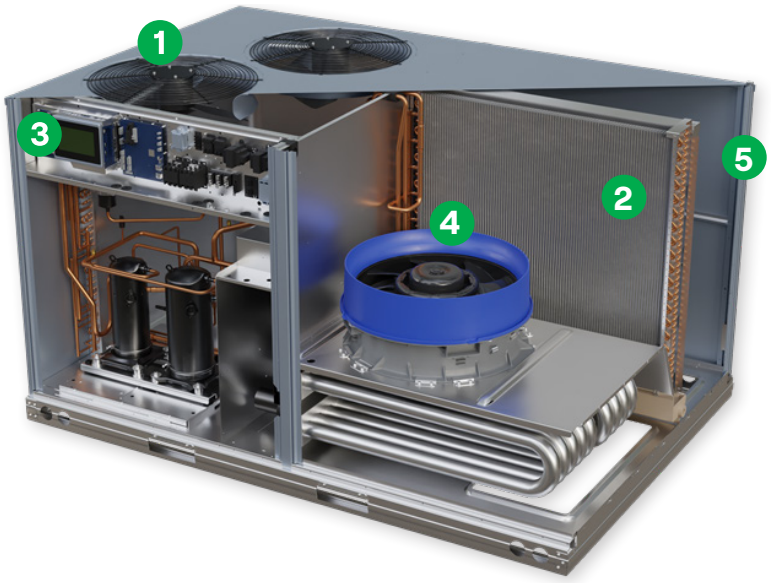
Carrier Rooftop Units with EcoBlue™ Fan Technology

For decades, Carrier has delivered dependable heating and cooling solutions across North America. Now, with EcoBlue™ Fan technology, these packaged rooftop units combine proven reliability with smarter, more intuitive performance making service simpler from day one.

This isn't just a fan. It's a turning point for commercial packaged rooftops. Engineered to reduce complexity from installation through maintenance, Carrier rooftop units with EcoBlue Fan technology streamline the entire system lifecycle. At the center is one of the industry's first beltless, direct-drive vane axial fan for rooftop units eliminating belts and pulleys to help reduce wear, improve reliability, and minimize service needs.

Every feature is designed with usability and long-term performance in mind. An intuitive control board simplifies setup and operation, advanced coil technology supports efficient heat transfer, and a composite outdoor fan design with tool-less filter access makes routine maintenance faster and easier.

The patented EcoBlue lineup comes standard across commercial packaged units, featuring a consistent fan design across all tonnages. Available in both standard and high-efficiency models from 3 to 27.5 tons, the result is consistent comfort, improved efficiency, and reduced maintenance over time—backed by the quality you expect from Carrier.



1. OUTDOOR FAN SYSTEM

Carrier rooftop units feature an outdoor fan design built for long-lasting performance and quieter operation. Precision-balanced blades help reduce sound, while permanently lubricated motor bearings may help minimize maintenance over time.

2. RTPF COIL DESIGN

Carrier units utilize a round tube plate fin condenser coil design commonly used in commercial applications. Built for real-world serviceability, the copper tube and aluminum fin construction allows repairs to be completed on-site through straightforward brazing, helping reduce downtime and service costs. Proven durability and wider fin spacing support easier cleaning and long-term reliability in the field, compared to traditional configurations.

3. CARRIER RTU CONTROL BOARD

Quick, straightforward setup and service are supported by a simplified control board designed for ease of use, including dedicated indoor fan configuration, a large field wiring terminal connection, and intuitive speed dial and switch operation. These features streamline installation and reduce setup time.

4. INDOOR ecoblue™ technology

Patented EcoBlue Fan technology replaces traditional belt drive designs with a simpler and more compact system. This advanced design helps support quieter operation and may reduce operating costs through innovative features such as a direct-drive ECM motor and a dynamically balanced blade fan.

5. TOOL-LESS FILTER ACCESS DOOR

Faster maintenance starts with tool-less filter access doors designed for service efficiency. Filters can be quickly inspected and replaced without tools, helping reduce service time and keep systems operating at peak performance.

ECOBLUE FAN TECHNOLOGY, AN EXCITING INDUSTRY FIRST IN ROOFTOP UNITS

EcoBlue Fan technology replaces traditional belt drive design with the Carrier vane axial indoor fan. This patented technology delivers a simpler, more compact design that you have to see to believe. Features like a direct-drive (ECM) motor may help improve airflow efficiency, while a dynamically balanced blade is designed to support reliable performance. Additionally, the simplified design may help reduce installation and maintenance costs over time.

- 75% fewer moving parts
- Intuitive fan speed adjustment controls
- Up to 40% more energy efficient*
- No belts or pulleys
- No shaft or shaft bearings

* Compared to prior Carrier models. Actual results may vary.

DESIGN AND FIT

Built on Carrier's trusted unit design, EcoBlue rooftop units maintain familiar configurations that contractors know and trust. This continuity supports straightforward replacement of many existing units, helping reduce installation time and overall project cost.



EFFICIENCY ACROSS MODELS

Carrier commercial units are available in both standard and high efficiency. While efficiency ratings vary, today our rooftop units can be, on average, up to 40 percent more efficient than previous Carrier models.. Our new standard efficiency units are designed to meet DOE efficiency requirements and may provide improved energy performance compared to legacy models. Use our proprietary Rooftop Energy Savings Calculator for easy estimated energy savings comparisons.

Benefits at a Glance

- **Easy to maintain:** For regular service activities, these units are designed with accessible service panels to help simplify maintenance. The sloped, corrosion-resistant composite drain pan is designed to shed water and resist rust. Service gauge connections are included on compressor suction/discharge lines, as well as, before and after the filter drier, to monitor system operation during maintenance.
- **Easy to install:** All 3 to 15 ton standard efficiency rooftop units are field-convertible. These units are designed to be relatively lightweight which can simplify replacement. In addition, the unit control board (UCB) features clearly labeled plug-in connection points that may help reduce installation time.

Carrier Rooftop Units Product and System Support

- **Rooftop Energy Savings Calculator:** This fast, simple and free software (subject to availability and program terms) enables you to determine energy cost savings, payback and life cycle costs for rooftop unit applications. Download on HVACpartners.
- **Warranty:** Standard warranty included on all Carrier EcoBlue packaged rooftops. Low-cost optional extended warranty available. Ask your Distributor.
- **Local Support and Inventory:** Carrier has a range of options to accommodate any size job or application and the inventory to help meet project timelines and availability needs. Whether it's replacement or new construction, the place to start is with your Carrier distributor.
- **E-Cat:** Take your Engineering Proposal to the next level with E-Cat.

Carrier

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ASHRAE 90.1 COMPLIANT

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Performance, efficiency, and savings may vary based on application, configuration, and operating conditions.

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