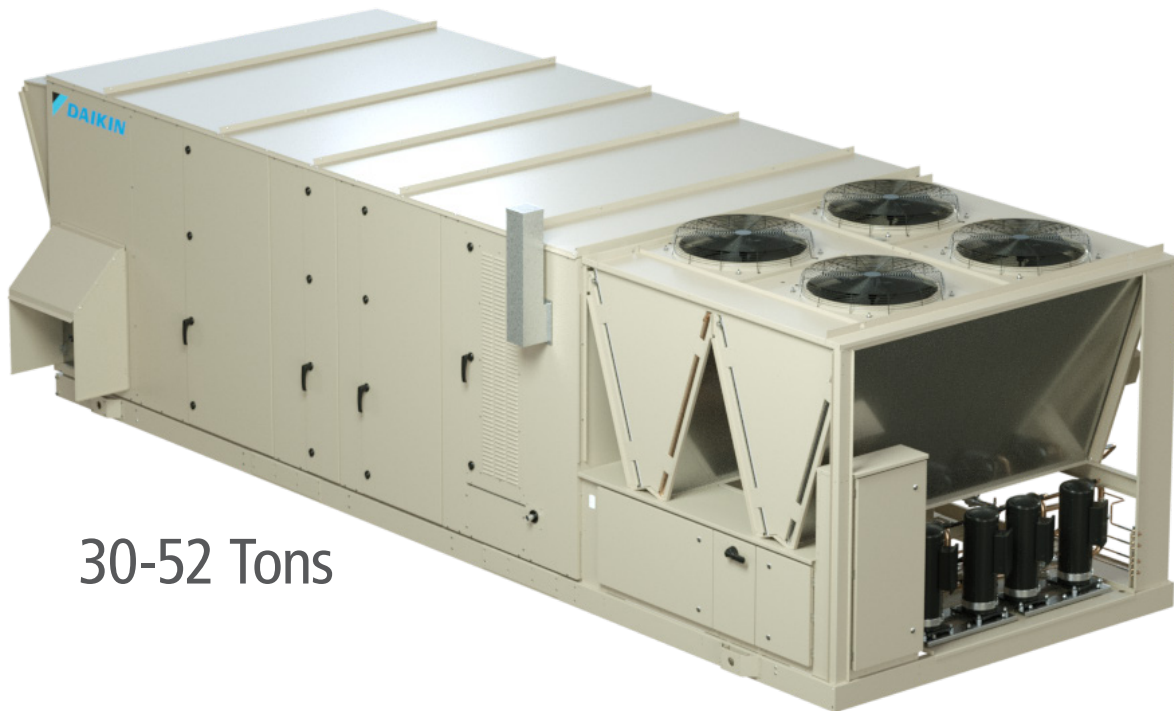




# Rebel Applied™ Packaged Rooftop



30-52 Tons

# Rooftop Performance that Rises Above

## Introducing Rebel Applied

Rebel Applied rises above its class with industry leading high-performance design, maximum energy efficiency, lowest lifecycle cost, and unlimited configurability. Offering the latest in modular cabinet design flexibility, Rebel Applied is the ideal rooftop solution for both new construction and retrofit applications.

### Highest Performance Design

Capitalize on high-performance cabinetry featuring a Class 6 leakage rating at +/- 6" of static pressure (based on ASHRAE Standard 111) and a thermally broken design that eliminates energy-robbing direct conduction paths.

### Maximum Energy Efficiency

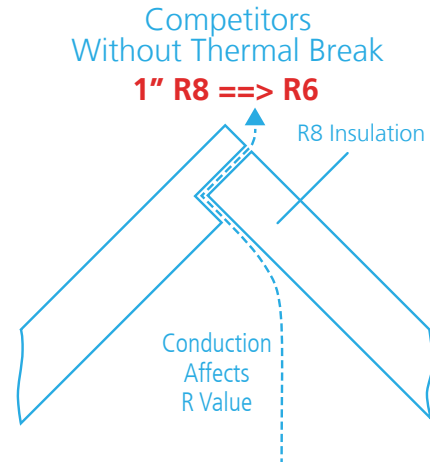
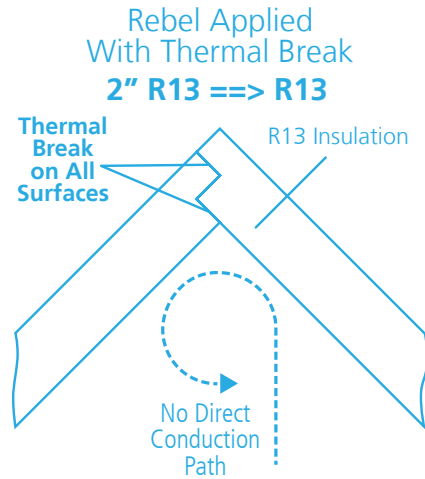
Get superior efficiencies with EERs exceeding 11.0 and IEERs up to 17.0 by incorporating the latest in advanced technologies, such as EC motors and high efficiency scroll compressors that enable Rebel Applied to far exceed minimum energy efficiency requirements through 2023.

### Lowest Total Lifecycle Cost

From installation through lifecycle maintenance, save money, time, and energy by qualifying for utility rebates with factory pre-commissioned controls, refrigeration monitoring sensors, ECM fans that eliminate belt/bearing maintenance, and Intelligent Equipment® controls for remote monitoring.

### Unlimited Configurability

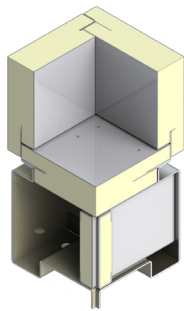
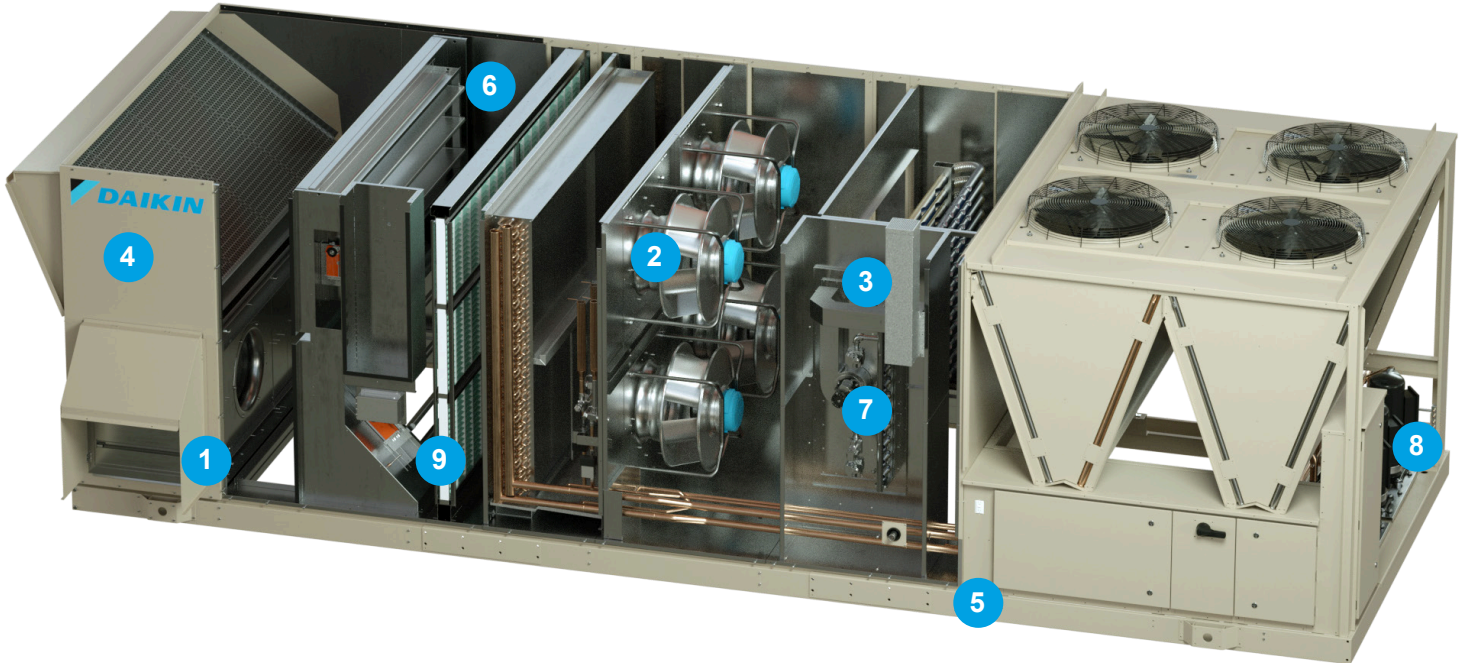
Gain unprecedented configuration flexibility to fit new applications or retrofit applications, replacing Daikin and competitor rooftop units with Rebel Applied's no transition curb, modular design that is up to 37% shorter and 30% lighter than legacy applied rooftops.



Manufacturer	Length (inches)	Comparison
Daikin Rebel Applied™	265"	
Daikin RoofPak®	419"	37% Longer
Trane IntelliPak® <sup>1</sup>	321"	17% Longer
JCI Nexus® <sup>2</sup>	331"	20% Longer
Carrier P Series	348"	24% Longer

\*Table compares manufacturers' data on a 50 ton unit with an economizer, gas heat, high static exhaust, and pleated filters.  
<sup>1</sup>IntelliPak is a registered trademark of Trane/Ingersoll Rand. <sup>2</sup>Nexus is a registered trademark of Johnson Controls.

# Construction Features/Benefits

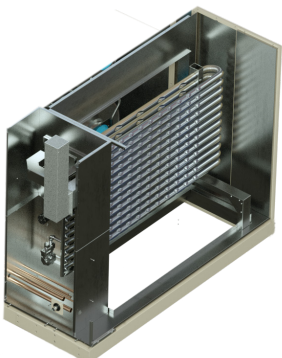


**1 Thermal Breaks:** Eliminate energy-robbing direct conduction paths with integral panel thermal breaks.

**Low Air Leakage:** Raise efficiency with a class exclusive air leakage of <math><0.5\%</math> at design air flow and static pressure.



**2 ECM Fan Array:** Eliminate fan belt and bearing maintenance costs while maximizing efficiency with modulating and redundant ECM fan arrays.



**3 Gas Heat:** Increase energy savings and efficiencies with a 100°F temperature rise furnace that includes modulating options ranging from 5:1 to 100:1 turndown.

## Additional Features/Benefits

- 4 R-13 Cabinetry:** Save operational costs and improve IAQ with double-wall foam construction rated for applications up to 8" of static pressure; save maintenance time with quality piano hinged doors, each with a single lockable handle.
- 5 Configurable Design:** Eliminate transition curbs and optimize serviceability and access with 4" incremental lengths that simplify retrofit applications.
- 6 Indoor Air Quality:** Produce cleaner, healthier air with advanced high efficiency filtration, energy recovery, outdoor air flow measuring, beltless fans, and double-wall construction.
- 7 Heat Options:** Meet application and utility needs with options for gas, electric, hot water, and steam heat.
- 8 High Efficiency Scroll Compressors:** Reduce power consumption and increase discharge air temperature control to maximize operating efficiencies.
- 9 Filtration Options:** Configure equipment filtration for applications requiring superior filtration with cartridge filters up to MERV 16 and HEPA final filters.

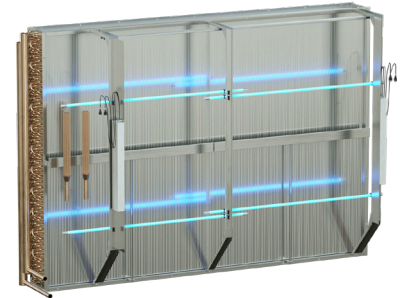
**Application Solutions:** Cater to requirements with feature-rich flexibility that includes backdraft dampers, sound attenuators, blenders, final filter sections, and more..

# Unique Solutions for Building Applications

## Healthcare

Maximize patient health outcomes with flexible indoor air quality features tailored for medical office buildings, outpatient clinics, hospitals, nursing homes, and other healthcare facilities:

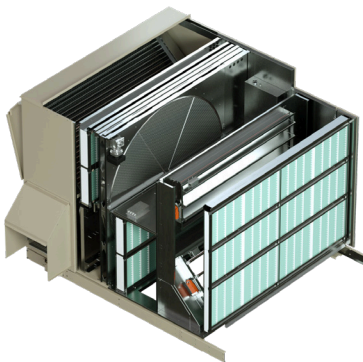
- **UV Lights** keep coils clean of harmful microbial growth.
- **ECM Fan Arrays** are designed for N+1 redundancy to prevent down time during service events.
- **Stainless Steel Liners** and **Coil Casings** promote equipment longevity and ease of cleaning.
- **Double-sloped Stainless Steel Drain Pan** prevents standing, stagnant water.
- **MERV 14, 16, and HEPA Filters** provide options for final filtration.
- **Humidifier Grids** are factory installed and help optimize indoor humidity in dry climates to limit viral and bacterial activity.



UV Lights

## Education

Optimize learning environments with Rebel's extremely quiet operation and configurable outside air management components designed to bring in fresh, filtered, quality indoor air for students and faculty staff:



Energy Recovery Wheel and Filtration

- **Energy Recovery Wheels** are factory installed and lower the operating costs associated with the large percentages of outside air in education applications.
- **Sound Baffles, Attenuators, and Condenser Fans** provide quiet operation critical to learning environments.
- **Outside Air Monitoring** measures flow to manage and ensure ventilation and direct feedback for optimized outside air control.
- **Filtration** options promote high indoor air quality with filtration efficiencies ranging from MERV 8 to MERV 16.

## Office Buildings

Gain class-leading efficiency with features designed to lower Rebel Applied's total lifecycle operating costs while ensuring a peaceful, comfortable, and more collaborative working environment:

- **Smart Controls** like filter pressure monitoring, power measuring, and refrigeration service diagnostics help manage operation and enhance serviceability.
- **Intelligent Equipment®** provides remote monitoring and enhanced visibility to over 150 data points.
- **ECM Fan Arrays** eliminate belt/bearing maintenance.
- **Efficiency** matches site goals to maximize return on investment with efficiencies exceeding the 2023 minimums and allowing options for CEE Tier 1, 2, and 3 rebates.
- **Sound Baffles, Attenuators, and Quiet Condenser Fans** provide low audible operation critical to office working environments.



Smart Controls



Intelligent Equipment®

For more information about our complete offering of HVAC systems and solutions, contact your local Daikin Applied Sales office or visit [www.DaikinApplied.com](http://www.DaikinApplied.com) to find an office near you.