



# Trane<sup>®</sup> Commercial Packaged Rooftop Units



# Delivering industry-leading efficiency to meet today's business demand.



*IntelliPak rooftop units are ideal for a broad range of applications such as large office buildings, restaurants, retail centers and industrial facilities, as well as institutional buildings used for healthcare and education.*

In today's business world, efficiency is everything. There's never been more pressure to squeeze every drop of value out of every dollar invested in raw materials, supplies, transportation, human resources, energy and more.

When it comes to getting the most out of your rooftop air conditioning unit investment, IntelliPak™ systems lead the industry. Intelligent design creates lower installed costs. Excellent energy efficiency means lower operating costs. Ease of maintenance and legendary Trane® toughness deliver peak performance for decades.

The more you learn about IntelliPak rooftop units, the more you'll see why they're the smart choice for performance, efficiency and lifetime value.

Most units feature an Energy Efficiency Ratio (EER) rating of 11 or more—the highest rating in the industry on standard product. The entire IntelliPak package—not just parts of it—is AHRI certified.\* With the addition of eFlex™, units can also provide superior part load efficiencies with ratings up to 16.9 IEER.

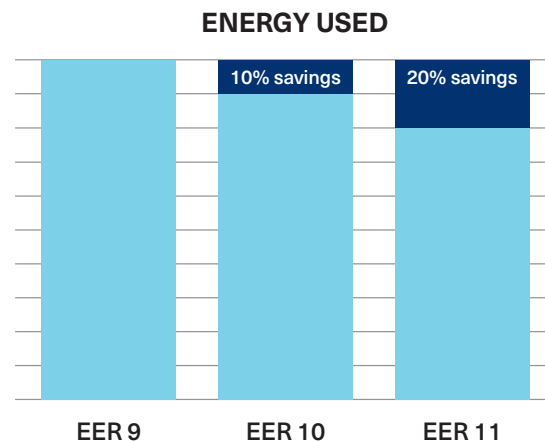
\*Up to 63 tons.



## What is EER & IEER?

The Energy Efficiency Ratio is a measure of an air conditioner's cooling power compared to electrical usage. An EER of 11 means the system is 10% more efficient than the government standard (10 EER). Some IntelliPak rooftop unit configurations are as high as 13.6 EER.

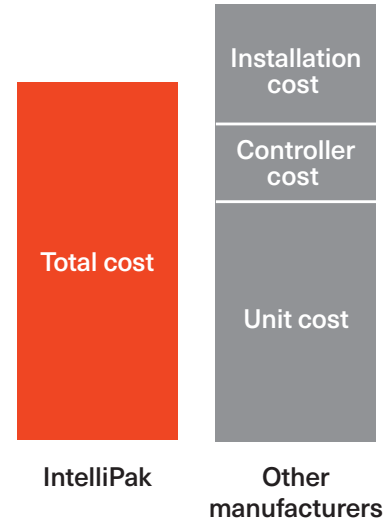
IEER is the part load efficiency of a unit and is determined by energy usage at each stage. Variable Speed eFlex™ compressors & Evaporative Condensing Units can get up to 16.9 IEER, an industry leading value. eFlex can do this by providing cooling down to 15% load, lowering the compressor kW used in order to fit the space's actual need.



## Comprehensive integration at the factory creates low installed costs

While energy efficiency cuts costs over the long run, low installed costs save you money on day one. Trane® does both. We engineered IntelliPak™ rooftop units to work right out of the box. We install and integrate everything—including controls—at the factory. You don't have to pay for hardware, software or manpower to do it at your site. It's just a matter of placing the unit, connecting everything, using the preinstalled controls, and it's up and running.

You save even more when the IntelliPak system is used to replace existing IntelliPak system equipment. New units have the same footprint as legacy models, meaning they'll fit on the same curb and plug seamlessly into the current building infrastructure.



## Why IntelliPak rooftop units?

- Industry-leading efficiency without sacrificing comfort
- 11 EER on most products, with some configurations as high as 13.6 EER
- Entire IntelliPak package (up to 63 tons) AHRI certified
- Ready to go right out of the box; creates low installed cost
- Trane eDrive™ direct-drive plenum fan technology
- Trane eFlex™ variable-speed compressor technology
- Unbeatable combination of efficiency and reliability with quiet operation
- Factory-installed state-of-the-art controls
- Ease of service with our unit-mounted Human Interface panel
- Single-source responsibility—design, build, install, service—make one call to Trane for any service or support needs
- Our reputation for extreme durability created by building units that routinely last 20 to 30 years



## Efficiency and reliability through innovation.

Through a combination of innovative technologies and expert engineering, Trane® IntelliPak™ systems run efficiently, quietly and reliably—lowering your operating costs and reducing the hassle of unplanned maintenance. And because of our commitment to quality manufacturing, units can last as long as 20 to 30 years.



### Options for meeting CEE and LEED® requirements

- A high-efficiency unit option improves efficiency even more and meets CEE Tier 2 requirements for unitary equipment, which may qualify the owner for rebates offered by local utilities.
- The optional Trane Air Quality (TraQ™) Fresh Air Measurement System has an accuracy of +/- 15%, which meets requirements of LEED IE Q Credit 1.
- Microchannel condenser coils allow all units to meet LEED EA Credit 4.



- A Trane® eDrive™ direct drive plenum fan technology**  
Our optional eDrive direct drive plenum fan is unique to the category and saves energy, extends filter life and operates more quietly than competing units. The fan is up to 20 percent more efficient than traditional forward-curved fans, and the beltless design eliminates the maintenance hassles of belt failure and filters clogged with microscopic belt particles.

*Note: Only units 60 tons and above have two fans.*

- B Trane eFlex™ variable-speed compressor technology**  
The optional eFlex variable-speed compressor ensures your HVAC system runs efficiently at all load levels, not just at the upper extremes. The result is high EER (which measures efficiency at peak output) and extremely high Integrated Energy Efficiency Ratio (IEER, a measurement of efficiency at variable workloads). We've replaced traditional digital scroll technology with industry-leading variable speed technology to ensure the unit exactly matches the load required.

- C All-Aluminum Microchannel (MCHE) condenser coil**  
This more environmentally friendly compressor coil features improved durability and reliability. A recessed design protects fins from incidental damage. Increased coil rigidity enhances durability. The coil's design dramatically reduces the risk of leaks and all-aluminum construction minimizes corrosion and eliminates formicary corrosion. Optional coil coating can further safeguard against corrosion. The coil also uses less refrigerant, making it more environmentally friendly and meeting LEED EA Credit 4.

- D** 2-inch standard efficiency throwaway filters on 20- to 89-ton units and 2-inch high efficiency throwaway filters on 90- to 130-ton units.

- E** Can accommodate MERV 14 filters.

- F** Double-wall construction.

- G Ultra-Modulating Gas Heat**  
The Ultra Modulating Gas Heat option allows for more precise temperature control in heating. This option includes turn down ratios of up to 19:1 & a Stainless Steel heat exchanger as standard.

**Additional options:**

- Single-zone VAV
- Building pressure control
- Return and exhaust fans
- LON™/BACnet™ and Air-Fi™ Wireless System
- High Fault SCCR.

# Trust Trane® for end-to-end service and support.



## **Factory-installed controls**

Each IntelliPak™ rooftop unit is equipped with a state-of-the-art direct digital Unit Control Module (UCM) that's installed at the factory and works right out of the box at your location. Basic components of the UCM are the rooftop module, single or multiple compressor module and the Human Interface panel. This pre-configured, factory-installed and commissioned UCM is a highly integrated product that provides accurate and reliable control and equipment protection.

And unit control options don't just end at the UCM level. Options like LonTalk™, BACnet™, & Air-Fi™ are available for communication to Tracer® and other building automation systems. The Trane Air-Fi™ Wireless System Interface minimizes wiring mistakes and installation time while increasing reliability and the opportunity for control expansion.

## **Streamlined service**

Access to unit controls via a Human Interface panel provides a high degree of control, superior monitoring capability and unmatched diagnostic information. That helps cut troubleshooting time, which can lower service costs. The panel also identifies any malfunctioning sensor, eliminating the time-consuming and costly process of physically checking each individual sensor.



### **Highly Customizable**

The Custom Order Design team as well as Trane® Creative Solutions can provide endless options for most applications. Contact your Trane representative for more detail.

### **Building Information Modeling**

Trane has the Building Information Modeling (BIM) objects to support your building design.

Trane BIM objects represent your exact specification. Our objects are pre-populated with data unique to each product configuration, saving time, increasing accuracy and improving how buildings are constructed.

### **Building life. Together.**

The success of your project—be it a new building or a renovation—requires the expertise and hard work of hundreds of individuals. The HVAC professionals at Trane are committed to helping you design, engineer, install and maintain the ideal system for your specific application. With Trane, you have a single source for all your HVAC needs.

### *Every building is unique.*

The experts at Trane are committed to analyzing your needs, using our expertise and experience to create the ideal HVAC system and providing customer-first service throughout the life of your building.

Learn more at [trane.com](https://trane.com)



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit [trane.com](https://trane.com) or [tranetechnologies.com](https://tranetechnologies.com).

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