



# Precedent<sup>®</sup> Rooftop Units

Setting the standard for consistency and performance

## The broadest set of options available in every size

Choosing a high-performance rooftop unit just got easier. We recently upgraded our Precedent® product line to deliver maximum consistency and simplicity.

Just select the capacity, efficiency and fuel type you need, then customize the unit with desired features and options available across the board. You won't have to make sacrifices because something you need wasn't offered in a certain unit size, fuel type or efficiency level.

There's no guessing about what's available, nor any need to compromise on features.

## Get what you really need

Precedent Rooftop Units are light commercial packaged systems ideal for heating and cooling smaller structures, such as commercial office buildings, retail and restaurants, school facilities, warehouses and government buildings.

Installed on the roof, they save space and allow you to use every square foot of your business for your operations. Plus, because all parts are housed in a single cabinet on the rooftop, they're easier to maintain and repair, and it's less disruptive when the unit needs servicing.

Trane's upgraded Precedent product line offers a comprehensive range of capacities and efficiency ratings, as well as heating types. Every model delivers industry-leading performance, low-GWP refrigerant, the most advanced controls and new features and options to meet your current and future needs.



### Modular architecture for efficient servicing and parts management

#### Designed with you in mind

We put a lot of thought into how to make Precedent units easier to install and maintain. First, we created a new modular component architecture to increase commonality across the product line. Compressors, coils, motors, fans and other components are standardized across the portfolio, which helps boost efficiencies in servicing as well as parts inventory management.



### Symbio 700® controls with an intuitive onboard interface and Service and Installation App are standard on every unit

We also included factory-installed Symbio® 700 controls as standard equipment on every Precedent unit. With its intuitive onboard display and Service & Installation App, the controller makes installation and service quick and simple.

Plus, every unit is compatible with optional Symbio expansion modules and/or custom programming to enable your HVAC system to grow with your needs. By adding custom programming in the field, you can adapt to emerging requirements or aftermarket changes as necessary. The adaptability of a Symbio 700 controller can also help save you money by avoiding complete system overhauls.

### A full range of models to help you reach your sustainability goals

#### Helping you get to net zero

For building owners seeking to help reduce their carbon emissions and/or meet local electrification mandates, the Precedent product line offers models to fit your budget, efficiency goals and climate.

**Precedent Heat Pumps:** Increasingly, buildings are turning to electrification of heat as a solution to help achieve net zero carbon emissions. An electric heat pump can be up to 450% more efficient than a gas furnace.<sup>1</sup>

Available up to 25 tons, in both standard and high efficiency, Precedent Heat Pumps meet or exceed all new standards for energy efficiency.

**Precedent Hybrid Dual Fuel Heat Pumps:** These hybrid systems use electric as a primary heating source, while activating gas as needed. Precedent Dual Fuel systems offer an ideal solution for cold climates where a conventional heat pump may struggle to deliver enough heat for occupant comfort during extreme temperatures.

1. McKinsey & Co. Building decarbonization: How electric heat pumps could help reduce emissions today and going forward. July 25, 2022 (Accessed June 6, 2024)

Precedent® Rooftop Units			
	Gas Packs & Cooling	Hybrid Dual Fuel Heat Pumps	Heat Pumps
Heat Type	Gas or Optional Aux Electric Resistance	Electric Heat Pump + Gas	Electric Heat Pump + Optional Aux Electric Resistance
Capacities	3-25 Tons	3-25 Tons	3-25 Tons
Efficiencies	Standard, High & Ultra-High Efficiency (eFlex™)	Standard & High Efficiency	Standard & High Efficiency
Unit Controller	Symbio 700 with Service & Installation App	Symbio 700 with Service & Installation App	Symbio 700 with Service & Installation App
Refrigerant	R-454B	R-454B	R-454B

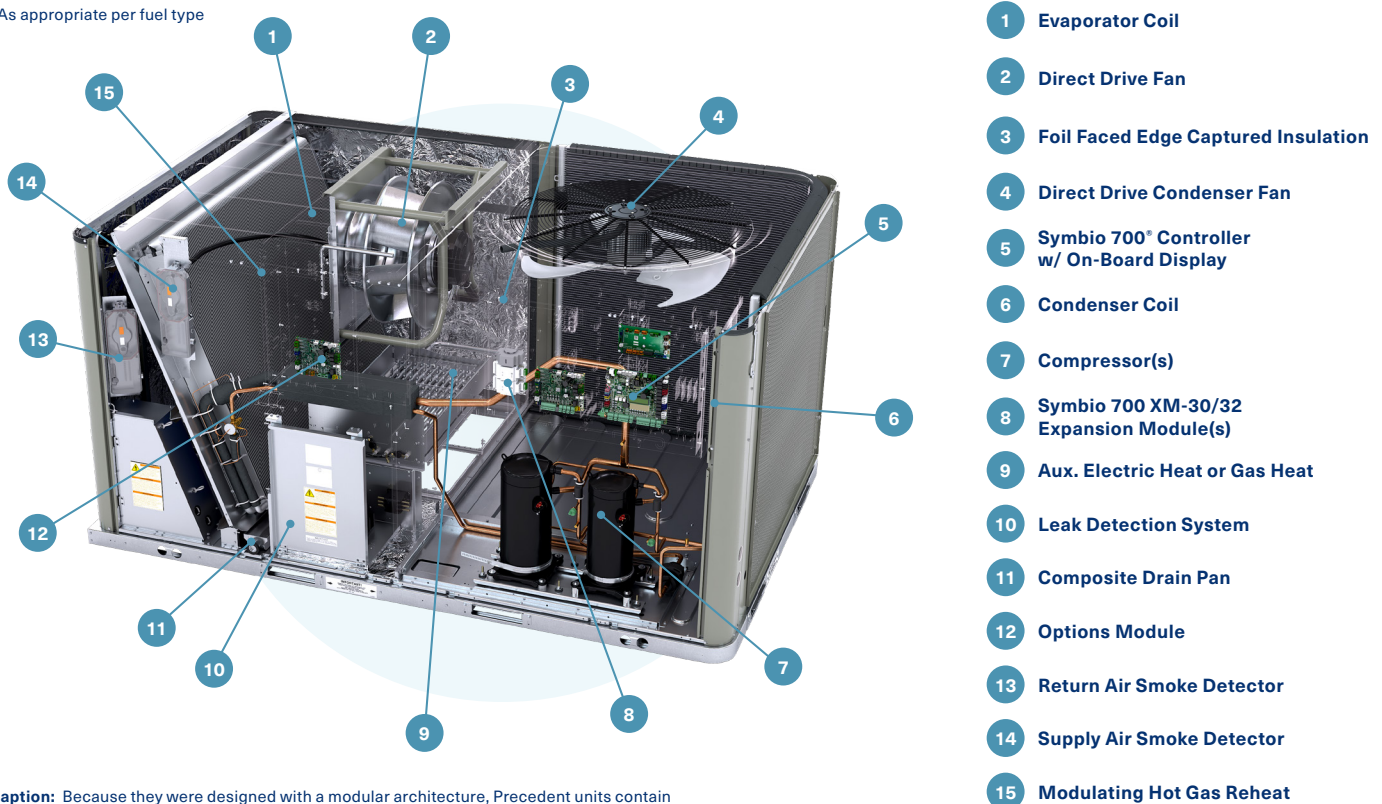
## Precedent's Exclusive Features and Options

Our upgraded Precedent line offers many features you can't get in any other brand of rooftop unit

### All Precedent Models\* Include:

- **Symbio 700** with Service & Installation App.
- **Modular architecture** and common components.
  - Direct drive fans
  - Hinged separate high/low voltage
  - Modular design, toolless coil guards
- **Industry-leading warranty**, including three years on parts.
- **R-454B Refrigerant** — This next-generation, environmentally friendlier refrigerant (less than 500 GWP) is built into Precedent rooftop units now, meeting EPA regulations in advance of the 2025 deadline. Precedent models also include factory-installed leak detection systems where applicable.
- **Single-Zone and True Multiple-Zone VAV Options** — For zoned rooftop systems, our single-zone VAV control offers full supply fan modulation across the available airflow range. Multiple-Zone VAV systems deliver optimum comfort cooling and heating across various areas and types of spaces.
- **Direct-Drive Fans** — For better efficiency. Maintenance-free (no belts to adjust/replace), with variable speed adjustment in Symbio controller, and simplified serviceability with fan/motor slide rail design.

\*As appropriate per fuel type



**Caption:** Because they were designed with a modular architecture, Precedent units contain many components that can be interchanged between models.

## Available Options:

- **Modulating Hot Gas Reheat (HGRH)** — Available on all next-generation units, including heat pumps, dual fuel and multiple-zone VAV systems. Controlled by space dew point or relative humidity, modulating HGRH helps to maintain consistent, comfortable temperature and humidity. factory-installed, independent control of humidity and discharge air temperature. Modulating changes the game vs. traditional on/off to provide tightly control the humidify level without overcooling/heating the space.
- **eFlex™ Variable Speed Compressors and Indoor/Outdoor Fans** — These components deliver the highest light commercial rooftop efficiency in the industry. After implementing eFlex technology, many businesses see significant energy savings. That's because eFlex is IEER-rated more than 50% higher compared to units operating at federal minimum IEER standards. Additional benefits include less temperature variation, improved dehumidification and reduced compressor cycling, extending a compressor's life. eFlex models also come standard with full hinged panel access for ease of service and maintenance, single- or multiple-zone VAV supply fan, low ambient cooling to 0F, and discharge air temp sensing.
- **BACnet™** — Precedent units are compatible with many different BAS communication protocols — in addition to LonTalk, Precedent is also compatible with BACnet. BACnet uses open standard protocols and works with virtually any supplier's BAS without gateways or special hardware.
- **Air-Fi®** — Trane® Air-Fi® wireless communication is a reliable, flexible solution that frees you from the hassles associated with wired components for your building controls system. You can help to save both time and money by not pulling wire through the building.
- **10:1 Modulating Gas Heat** — Enhance heating comfort with the factory-installed 10:1 modulating gas heat option available on Gas Packs and Dual Fuel 6-25T models. Modulating gas heat improves comfort by providing stable temperatures and a continuous output of heat by automatically modulating the gas value and combustion blower motor. Less on/off cycling improves efficiency and equipment life.

## Which Precedent® Rooftop Unit Best Fits Your Priorities?

	Gas Packs & Cooling	Hybrid Dual Fuel Heat Pumps	Heat Pumps
Carbon Reduction		✓	✓
Frigid Climate Comfort	✓	✓	
Energy Efficiency	Standard, High & Ultra-High Efficiency (eFlex)	Standard & High Efficiency	Standard & High Efficiency
Ease of Installation	✓	✓	✓
Symbio® 700 & App Control	✓	✓	✓
Humidity Control (Mod HGRH)	✓	✓	✓

To learn more about the comprehensive capabilities of our Precedent Rooftop Units, visit [Trane.com/Precedent](https://Trane.com/Precedent) or contact your Trane Account Manager.



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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