

Precedent[®] Heat Pumps

An energy-efficient solution for every climate



As businesses and organizations advance towards greater sustainability, rooftop heat pumps remain an appealing and cost-effective solution for heating and cooling. Now, virtually any building, including larger ones in colder climates, can be equipped with Trane heat pump technology.

Precedent heat pumps are now available in standard and high efficiency from 3-25 tons with consistent features and available options across the entire portfolio.

Precedent All-Electric Heat Pumps: An electric heat pump can be up to 450% more efficient than a gas furnace.¹ 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 heat pump technology 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.



Consistency across the product line

We recently upgraded the Precedent portfolio to ensure maximum consistency across the product family. Just choose the efficiency level and capacity of your unit — from 3 to 25 tons. You'll be able to get the features and options you really want, no matter the model's size.

Standard on Every Precedent Unit

Advanced Symbio[®] 700 Controls — Precedent Rooftop Units provide connectivity through a factory-installed Symbio 700 controller. Having Symbio on board offers seamless integration into a Trane or non-Trane building automation system (BAS).

Symbio's intuitive onboard display and Service & Installation app helps make implementing your system quick and easy, and once your unit is operational, Symbio helps enhance its day-to-day performance. And the Symbio software is upgradable for proactive cybersecurity, ongoing enhancements and building optimization.

Direct-Drive Fans — For better efficiency. Maintenance-free with no belts to adjust or replace, available with variable speed adjustment in Symbio controller, and simplified serviceability with fan/motor slide rail design.

Toolless Coil Guards — Coil guards add extra protection and the toolless design allows for easier coil cleaning.

R-454B Refrigerant — This next-generation, environmentally friendlier refrigerant (less than 500 GWP) is now built into all Precedent rooftop units. Precedent models also include factory-installed leak detection systems where applicable.

Industry-Leading Warranty — Trane reliability is built into every Precedent rooftop unit. Compressors are covered under a five-year standard warranty, with three years on parts.



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

Popular Options Available Across the Board

Modulating Hot Gas Reheat (HGRH) — Available on all next-generation Precedent® units. Controlled by space dew point or relative humidity, modulating HGRH helps to maintain consistent, comfortable temperature and humidity.

Single-Zone and True Multiple-Zone VAV — 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.

10:1 Modulating Gas Heat — Available on Precedent Dual Fuel units. Enhance heating comfort with the factory-installed 10:1 modulating natural gas heat option. Modulating heat improves comfort by keeping temperatures stable with less on/off cycling.

Symbio® Expansion Modules — With your unit's factory-installed Symbio 700 controller, you have the option to add Symbio XM expansion modules, allowing your HVAC system to grow with your needs. You'll be able to add custom programming in the field to configure the XM module inputs and outputs, allowing you to adapt to emerging requirements or aftermarket changes.

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.

Precedent Models – Heat Pumps

| | Hybrid Dual Fuel Heat Pumps | Heat Pumps |
|---|--|---|
| Models | DSK/DHK | WSK/WHK |
| Capacities | 3-25 Tons | 3-25 Tons |
| Fuel Type | Electric Heat Pump + Gas | Electric Heat Pump + Optional Aux Electric Resistance |
| Efficiencies | Standard & High Efficiency | Standard & High Efficiency |
| Unit Controller | Symbio 700 with Service & Installation App | Symbio 700 with Service & Installation App |
| Warranty | 3 Year Parts 5 Year Compressor | 3 Year Parts 5 Year Compressor |
| Humidity Control (HGRH) Option | Yes | Yes |
| Stable Temperature Control (Modulating Gas Heat) Option | 10:1 Natural Gas, 6:1 LP | Not Applicable |
| Refrigerant | R-454B | R-454B |

For more information visit Trane.com/Precedent-Heat-Pumps 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 or tranetechnologies.com.

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