



# Air-to-Water Thermafit™ Modular Heat Pump System

Trane's Air-to-Water Thermafit™ Modular Heat Pump System is a scalable, all-electric modular solution engineered for compact building footprints and proven to perform in low ambient temperatures. A design that fits in, with performance that stands out—all year long.

## 8.2 COP

Achieve up to an **8.2 combined heating/cooling COP** by delivering **3x higher efficiencies** than traditional heating systems while simultaneously provide cooling.


## 140°F

Vapor injection technology supports cold climate performance, delivering high leaving hot water temperatures up to **140°F (60°C)** with both AXM and MAS.

## 12 Modules

Expand up to **12 modules per AXM** bank and up to **10 modules per MAS** bank.

## 365

 **Heat and cool reliably**  
365 days a year.

\*Commercial Building Electrification. Guidehouse Insights. 3Q 2024.

## How it Works

Flexible system configurations enable heat pumps and multi-pipe units to work seamlessly within the same hydronic loop or supplement larger chilled water plants. Advanced Tracer® controls monitor changing building loads, staging modules to enhance efficiency and deliver heating, cooling, or both exactly when and where you need it.

### THERMAFIT™ MODEL MAS

Multi-pipe units available in 4-pipe configurations, offering easy integration for new or retrofit projects.

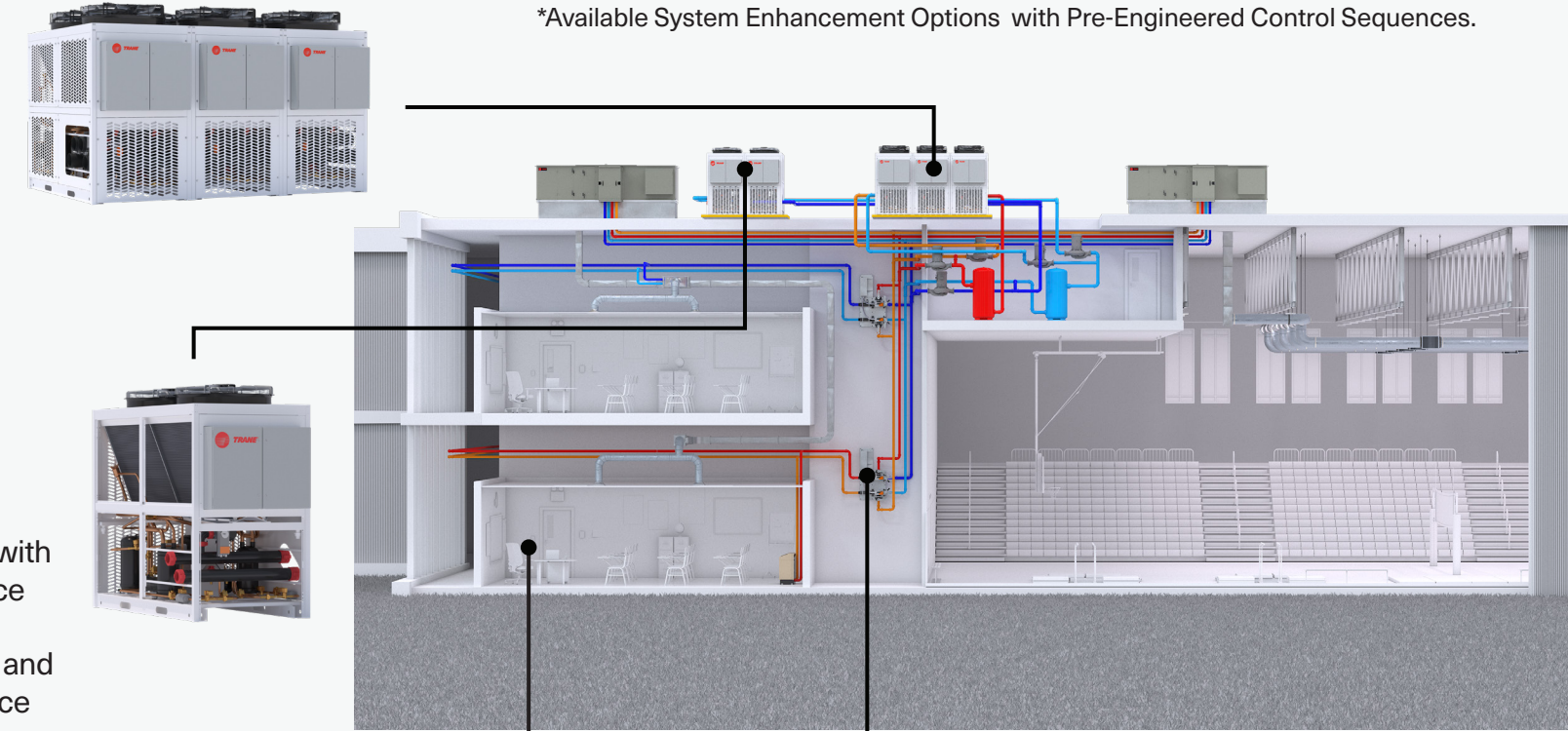
### THERMAFIT™ MODEL AXM

Modular flexibility with proven performance in colder climates; all-electric heating and cooling helps reduce direct emissions.

### TRACER SC+

Advanced applied pre-engineered control sequences help balance multiple priorities: reliability, carbon reduction, efficiency, and energy cost savings.

\*Available System Enhancement Options with Pre-Engineered Control Sequences.



### HYDRONIC BRANCH CONDUCTOR\*

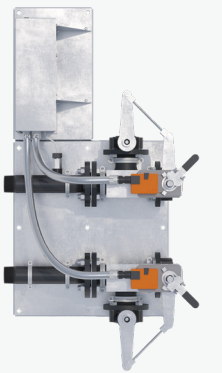
Enables efficient low-temperature hot water heating through cost-effective distribution. Can be used in retrofits with existing piping and coils.

### AIR-COOLED CHILLERS\*

Reliable, energy-efficient operation in a compact package to help lower installation, maintenance, and operating costs.

### AUXILIARY HEAT\*

Helps provide consistent comfort and reliable performance, even during periods when supplemental heating is required.



## Benefits

Easy to scale, hard to beat. The modular platform makes it simple to right-size your system today and scale for future growth.

Backed by Trane's pre-engineered systems layouts, digital controls, applications knowledge, and services.



### Three Operating Modes

Full cooling, full heating (up to 140°F (60°C) with AXM and MAS), and simultaneous heating and cooling.



### Operational Continuity

True modular redundancy to help reduce single points of failure for uninterrupted service in critical applications.



### Modular Scalability

Enables easy installation and scalable expansion in space-constrained urban environments for flexible, future-ready building performance.



### All-Electric Heating

Reduces direct emissions from fossil fuels and operates with low-GWP R-454B refrigerant for regulatory and ESG alignment.



### Heat Recovery

A 4-pipe production plant designed for simultaneous heating and cooling, lowering waste and grid demand.



### End-to-End Support

Benefit from Trane's fully packaged design documentation, application guidance, and proven control sequences.