



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.

\$7B

The electrified heating market is expected to nearly double from **\$4 billion to \$7 billion*** by 2024 – 2033.

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.

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.

THERMAFIT™ MODEL MAS

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

THERMAFIT™ MODEL AXM

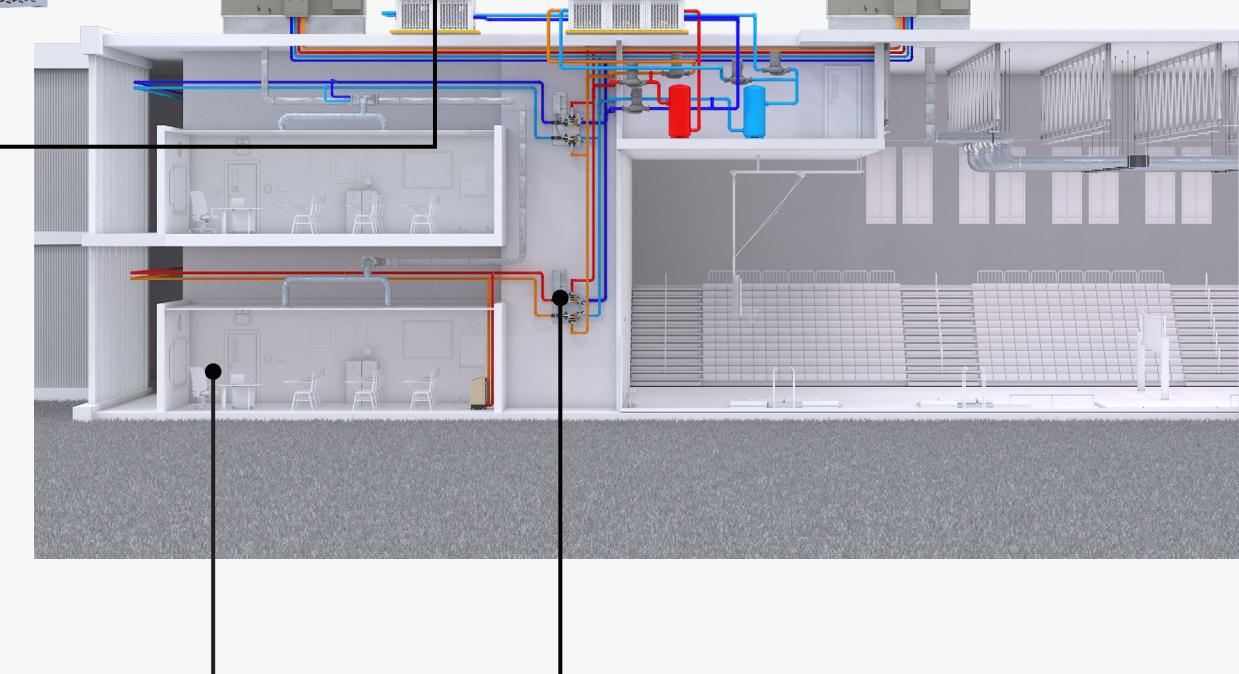
Modular flexibility with proven performance in colder climates; all-electric heating and cooling helps reduce direct emissions.

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.



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.



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.



Modular Scalability

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



End-to-End Support

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