

Air-to-Water Thermafit™ Modular Heat Pump System

All Electric Air-Source Hydronic Heating and Cooling System

- Thermafit™ AXM, MAS
- Tracer® SC+ with pre-engineered control sequences
- Ideal for small to mid-size buildings

A design that fits in, performance that stands out.

Tight spaces. Cold climate challenges. Aggressive efficiency targets. Complicated BAS controls. Every project presents specific challenges and demands thermal management solutions that deliver real, measurable results. Trane's® Air-to-Water Thermafit™ Modular Heat Pump System is an all-electric, fully engineered, modular solution for compact building footprints and is proven to perform in low ambient temperatures. A system design that fits in, with performance that stands out—all year long.

Built to Flex. Designed to Save.

Choose from versatile design options tailored to diverse building needs. The Air-to-Water Thermafit™ Modular Heat Pump System offers:

Three Operating Modes	Cooling only, heating only, and simultaneous heating/cooling.
Multipipe Heat Recovery	Turn waste heat into usable heating energy, delivering exceptional efficiencies with combined COP of up to 8.2.
Integrated Controls	Intelligent algorithms and seamless BAS compatibility, powered by pre-engineered control sequences, support precise, reliable thermal management and reduced energy costs.
Versatility & Flexibility	Heat pumps and multi-pipe units can operate on the same hydronic loop, or supplement larger chilled water plants. Tracer controls respond to changing building loads, staging heat pump banks or modules to optimize efficiency and deliver heating, cooling, or both at once.
Cold Climate Performance	Vapor injection technology supports high-leaving hot water temperatures up to 140°F (60°C) and allows units to operate in heating mode down to -18°F (-28°C) outdoor air temperatures.

Easy to Scale. Hard to Beat.

The modular platform makes it simple to right-size today and scale for future growth.



Operational Continuity

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



Modular Scalability

Expand up to 12 modules per AXM bank and up to 10 modules per MAS bank, with compact units engineered to fit tight spaces.



End-to-End Support

Benefit from Trane's fully packaged design documentation, application guidance, and proven control sequences. With integrated monitoring, you gain real-time visibility into system performance and energy use.

Small Footprint. Big Impact.

Advance sustainability and electrification goals with an all-electric system that doesn't compromise on comfort or reliability.



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.



Performance Transparency

Integrated monitoring and pre-engineered BAS control sequences deliver actionable sustainability insights.

System Components



Thermafit™ Model MAS

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



Thermafit™ Model AXM

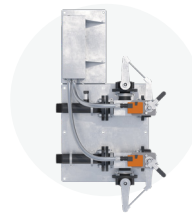
With modular flexibility, this 2-pipe heat pump excels in cold climates, providing all-electric heating and cooling to help reduce direct emissions.



Tracer® SC+

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

System Enhancements



Hydronic Branch Conductor

Low temperature, hot water retrofit solution enables cost-effective reuse of 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.



Discover What's Possible with Trane

To learn more, contact your local Trane office or visit trane.com/awhpm modular today.



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