

Thermafit® Air-cooled Modular Chillers



Model MAR

15-80 Ton Modules (1 - 12 Modules per Bank), Expandable to 960 tons.

Air-cooled split system with a remote condenser

Thermafit® air-cooled modular chillers provide energy efficient cooling, plus the redundancy, reliability and flexibility of a modular design.

Thermafit model MAR features an indoor modular chiller paired with a remote, outdoor air-cooled condenser.

Highlights

- Space-saving, split component design
- System requires no glycol
- Chilled water temperatures down to 10°F
- Chillers fit through standard doorways and onto freight elevators for easy retrofits
- Multiple circuits enable precise temperature control
- Variable speed fan and motor assemblies produce minimal noise
- Connectivity for remote monitoring available

Great cold-climate performance.

Indoor chiller installation reduces or eliminates the need for glycol in airside and terminal devices. Thermafit MAR is ideal when buildings need cooling during the coldest winter days.

- Units can provide low ambient cooling down to -20°F.
- Indoor evaporator eliminates freeze protection requirements: no glycol, system draining, heat trace or running pumps throughout the winter.

Energy efficient and reliable.

- A set of fixed and variable-speed drives work in tandem to optimize part load efficiency.
- Multiple circuits enable tighter, more precise temperature control.
- Controls enable connectivity for remote monitoring and detection of reliability issues and efficiency losses that diminish sustainability over time.

Thermafit® Air-Cooled Split System Chiller with Remote Condenser Model MAR

- | | |
|--|---------------------------------|
| 1 Liquid Line Connections | 5 Discharge Lines Connections |
| 2 Compressors | 6 High-voltage electrical panel |
| 3 Evaporator Brazed Plate Heat Exchanger | 7 Low-voltage control panel |
| 4 Fluid headers | 8 Touchscreen interface panel |



Thermafit® Modular Units

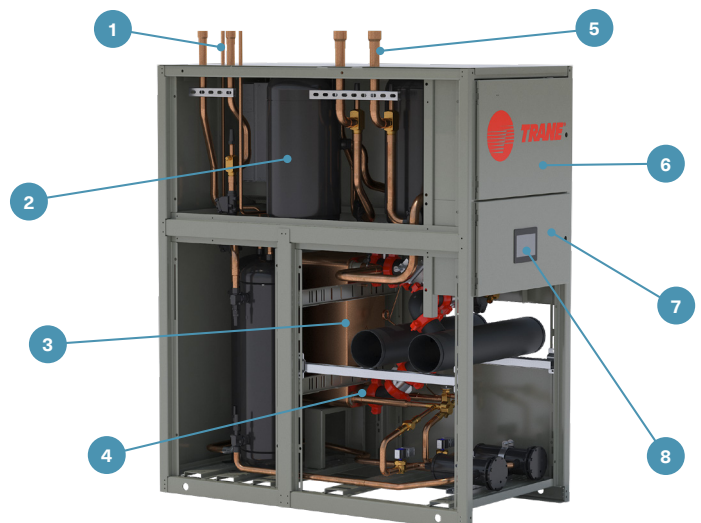
Trane's line of all-electric modular units helps you bring buildings into the future of sustainable comfort!

Meet capacity requirements with multiple independent units coupled together on a shared header system, electrical system, and control system.

Trane's line of Thermafit modular units meet project requirements where space is limited. These units are easy to ship, maintain and expand.

Next-Generation Refrigerant

All Thermafit chillers comply with new regulations for low global warming potential (GWP) refrigerants. Thermafit model MAR uses R-454B refrigerant. Units ship with nitrogen charge. Refrigerant must be supplied and charged by others.

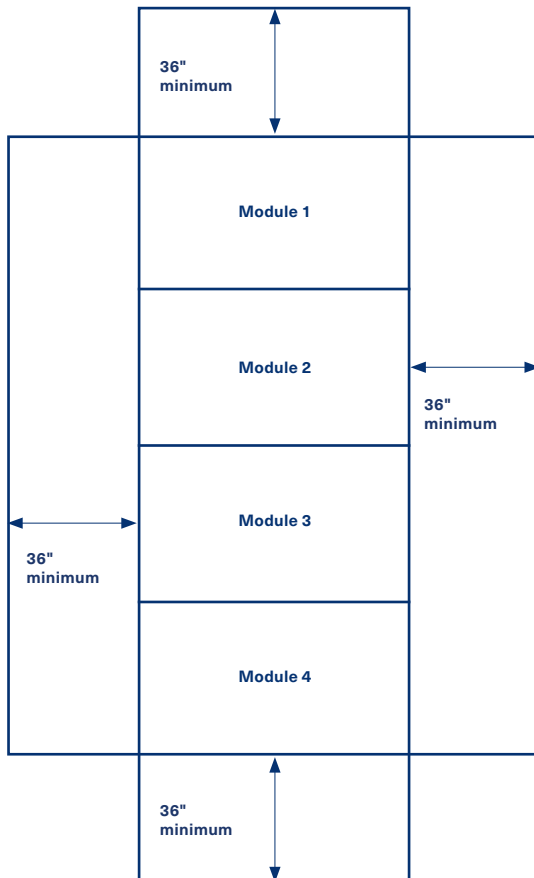


General Data

| CHILLER SIZE (TONS) | INDOOR CHILLER | | | OUTDOOR CONDENSER | | | REFRIGERANT LINE SIZES | |
|---------------------|----------------|-------|--------|-------------------|-------|--------|------------------------|-----------|
| | LENGTH | WIDTH | HEIGHT | LENGTH | WIDTH | HEIGHT | LIQUID | DISCHARGE |
| 15 | 66 | 24 | 77 | 139 | 49 | 54.5 | 7/8 | 1 1/8 |
| 20 | 66 | 24 | 77 | 139 | 49 | 54.5 | 7/8 | 1 1/8 |
| 25 | 66 | 24 | 77 | 139 | 49 | 54.5 | 7/8 | 1 1/8 |
| 30 | 66 | 24 | 77 | 139 | 49 | 54.5 | 7/8 | 1 1/8 |
| 40 | 66 | 34 | 77 | 197 | 49 | 54.5 | 1 1/8 | 1 3/8 |
| 50 | 66 | 34 | 77 | 139 | 92 | 54.5 | 1 3/8 | 1 5/8 |
| 60 | 66 | 34 | 77 | 139 | 92 | 54.5 | 1 3/8 | 1 5/8 |
| 80 | 79 | 42 | 80 | 195 | 92 | 54.5 | 1 5/8 | 2 1/8 |

Indoor Chiller Service Clearances

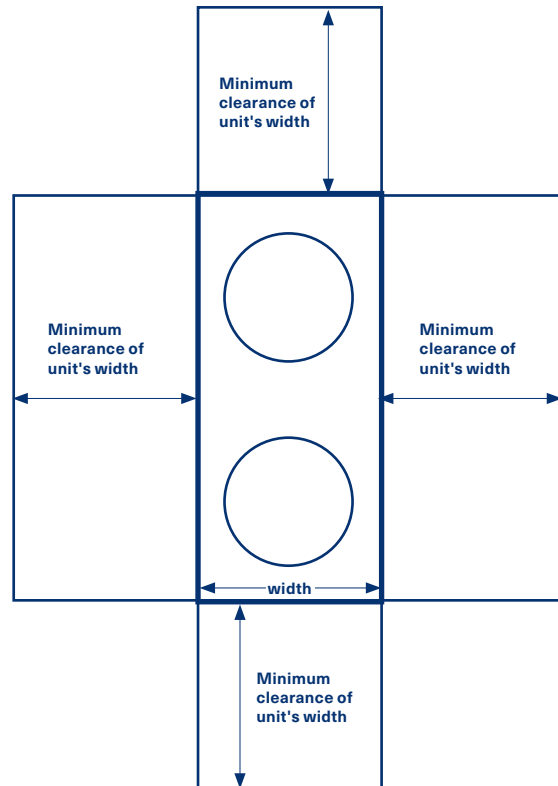
Note: 48 inches minimum overhead clearance



Remote Condenser Service Clearances

Notes:

- No obstruction above units
- For applications where placement is needed in a pit or within fences, please contact factory



Learn more. Contact your Trane Account Manager [Trane.com/Thermafifit](https://www.trane.com/Thermafifit)



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://www.trane.com) or [tranetechnologies.com](https://www.tranetechnologies.com).

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