Thermafit® Air-cooled Modular Chillers

Model AMC

15-80 ton/unit

Expandable to 960T (11,520 MBH) bank

Thermafit air-cooled modular chillers from Trane help you achieve flexible, efficient comfort cooling and heating - all while providing you true redundancy and reliability of Trane.

Level-up on efficiency.
Double down on sustainability.

- Gain higher part load efficiency by selecting a variable speed compressor and variable speed fans.
- Save energy with partial or full free cooling by avoiding compressor operation when outdoor ambient temperatures are cooler.
- Decarbonize by utilizing full heat recovery instead of rejecting waste heat to the atmosphere.
- Brazed plate heat exchanger requires smaller amounts of refrigerant

All-electric heating and cooling is a prime building decarbonization move.

Trane's modular air-cooled chillers have an option for heat recovery that can be applied to any 4-pipe building and produce COPs of 3 to 6. Heat recovery is extremely energy efficient, reduces overall facility heating from gas or electric boilers and reduces carbon-footprint.

The air-cooled chiller would be sized for the dominant cooling load, but gives the flexibility to reuse any or all of your waste heat. The modular design allows the chiller-heater to respond to varying heating loads staging anywhere from one up to the full bank of modules in heat recovery mode and optimizing efficiency in the system - any additional modules needed to meet peak cooling demand will still operate in cooling mode.

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.

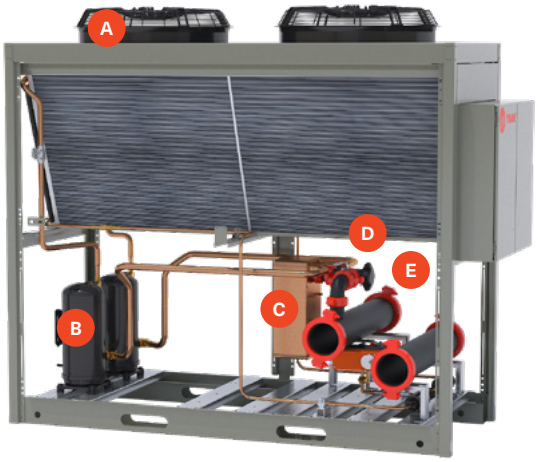
Modular design makes it easy to install (and expand) in tight spaces.

Next-Generation Refrigerant

Thermafit air-cooled modular chillers are designed with next generation, low-global warming potential refrigerant R-454B in mind. This refrigerant provides a 75% drop in GWP over R-410A helping customers meet sustainability goals by reducing the impact to the environment.

Key Thermafit® advantages

Multiple module designs maximize system reliability and eliminates single points of failure with multiple flow switches, transducers, and temperature sensors.



- **A** **Optional variable speed compressor & fan/motor assemblies.** Provides quiet operation.
- **B** **Dual Refrigerant Circuits.** Allows for greater reliability.
- **C** **Brazed plate.** Enhances heat transfer.
- **D** **Easy-to-change fine mesh strainers.** Allows for cleaning without equipment shutdown.
- **E** **Isolation valves.** Allows modules to be serviced while others continue operating.

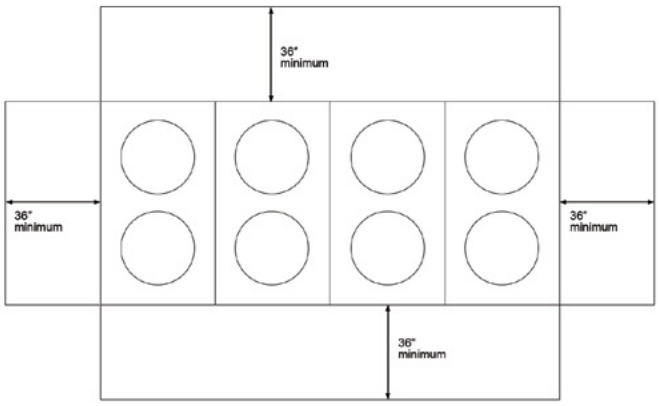
General Data

Model AMC Dual circuit with variable speed option

Capacity (Tons)	Weight (lb)	Width (in)	Length (in)	Height (in)	Water Connection (in)
15	1800	33	76	76	4
20	1800	33	76	76	4
25	2500	39.5	95	88.75	6
30	2500	39.5	95	88.75	6
40	3000	48	95	89.5	6
50	5000	78.5	95	95.25	6
60	5000	78.5	95	95.25	6
80	6000	96	95	96	8

Service Clearances

No obstructions above units (top view)



NOTE: If unit is surrounded by a fence, the minimum clearance is 48 inches. The fence must allow 50% airflow

Learn more. Contact your Trane Account Manager.

Trane.com/Thermafit

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