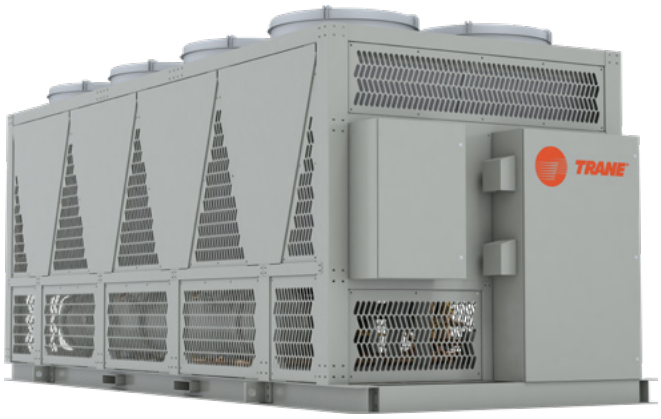
# Trane® Oil-free Centrifugal Air-cooled Chiller

## Model TACA – 60-440 tons

Quiet and efficient, TACA is Trane's leading air-cooled centrifugal chiller for situations where sound performance and operating cost share equal importance. Premium energy efficiency is its primary advantage. The list goes on to include superior reliability and long-term sustainability.

- Compressors use magnetic bearing levitation (technology that replaces oil lubrication), which virtually eliminates friction that creates noise and inefficiency. It reduces maintenance downtime, too.
- The optional refrigerant pump protects both occupant comfort and operating budgets by delivering proper compressor motor cooling and ultra-high efficiency at low lift operation.
- Variable speed fans optimize efficiency and reduce sound




### Premium energy efficiency

The mag-bearing compressor delivers water-cooled efficiency from an air-cooled chiller.

- The optional refrigerant pump ensures proper compressor motor cooling during low lift operation, down to a 1.1 pressure ratio.
- Full load efficiency exceeds ASHRAE® 90.1 and state energy efficiency requirements.

### Lower operating costs

Made to last for years, Trane TACA helps reduce lifecycle operating costs by reducing both utility costs and maintenance expenses year after year.

- Optional free cooling saves energy and money by relying on lower ambient temperatures instead of the compressor during cooler weather.
- The oil-free compressor reduces maintenance costs by eliminating the complexity and service requirements of an oil management system.
- Adaptive Controller with open standard protocols enables remote monitoring by Trane to help preemptively alert of potential costly failures and identify money-saving optimization opportunities.

### Next-Generation Refrigerant

The TACA chillers with R-513A are designed to lower environmental impact by using next-generation, low global warming potential (GWP) refrigerants without compromising performance and reliability.

### Lower environmental impact

Superior energy efficiency supports sustainability goals by reducing indirect greenhouse gas emissions. Optional integral free cooling delivers optimal performance using low outdoor air temperatures. TACA is oil-free, which eliminates direct fossil fuel energy use. Plus, the chiller uses next-gen refrigerant alternatives, including R-513a.

# Built to Provide Years of Reliable Operation

### Trane TACA chiller

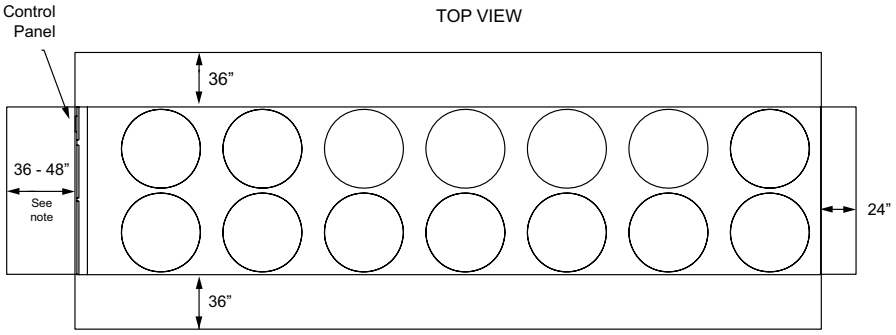
- Rapid restart restores cooling quickly following power loss
- The adaptive controller monitors performance to spot opportunities to optimize, so the chiller runs even better over time
- Up to four independent refrigerant circuits create redundancy
- Anti-corrosion, protective coating on coils, cabinet and frame extends longevity
- Hail guards protect coil against damaging weather
- Isolation valves on serviceable parts simplify maintenance

### General Data

| Size | Full Load EER | IPLV EER | Fan Total | Operating Weight (lb) | Length (in) | Width (in) | Height (in) | Water Connection (in) |
|---|---|---|---|---|---|---|---|---|
| 60 Ton | Exceeds ASHRAE 90.1 - 2019 | Exceeds ASHRAE 90.1 - 2019 | 4 | 7900 | 124 | 94 | 104 | 5 |
| 80 Ton | | | 6 | 9500 | 174 | 94 | 104 | 5 |
| 110 Ton | | | 6 | 10200 | 174 | 94 | 104 | 5 |
| 150 Ton | | | 8 | 13500 | 224 | 94 | 104 | 6 |
| 165 Ton | | | 10 | 15500 | 274 | 94 | 104 | 6 |
| 200 Ton | | | 10 | 15500 | 274 | 94 | 104 | 6 |
| 220 Ton | | | 12 | 18100 | 324 | 94 | 104 | 6 |
| 240 Ton | | | 12 | 18200 | 300 | 96 | 111 | 8 |
| 330 Ton | | | 18 | 24000 | 457 | 96 | 111 | 8 |
| 440 Ton | | | 20 | 31500 | 545 | 96 | 112 | 8 |

Weight and dimension can change depending on options selected
Water connection sizes can change depending on evaporator pass arrangement selected
Voltage available on certain models: 380, 400, 460, and 575

### Service Clearances - NO OBSTRUCTIONS ABOVE UNIT




**Note:** A 36 - 48 inch clearance is required in front of the control panel. Must be measured from front of panel, not end of unit base.

## Learn more at trane.com

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* or *tranetechnologies.com*.



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