

# 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

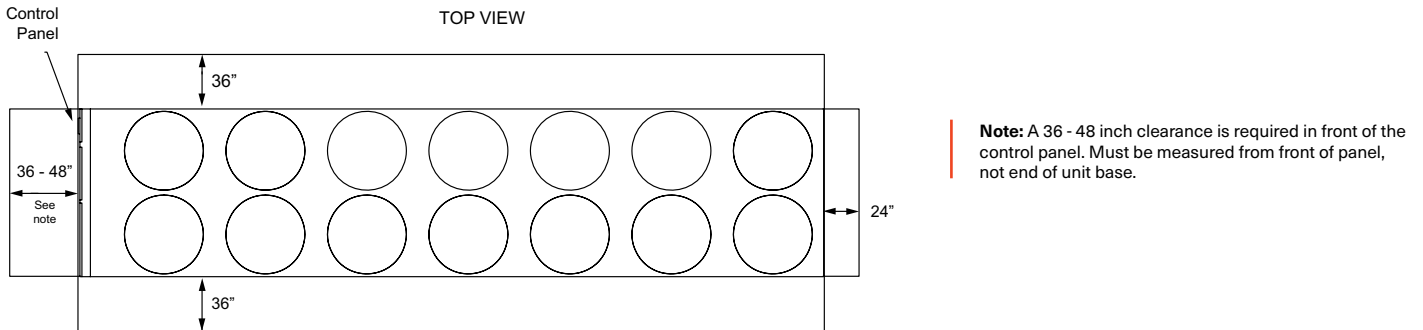
Size	Full Load EER	IPLV EER	Fan Total	Operating Weight (lb)	Length (in)	Width (in)	Height (in)	Water Connection (in)
60 Ton	Exceeds ASHRAE 90.1 - 2019 by XX%	Exceeds ASHRAE 90.1 - 2019 by XX%	4	7900	124	94	104	5
80 Ton			6	9500	174	94	104	5
110 Ton			6	10200	174	94	104	5
150 Ton			8	13500	224	94	104	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



Learn more at [trane.com](https://trane.com)



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