

TAEevo TECH MINI

Air-Cooled Liquid Process Chiller
1-Ton Capacity



With the acquisition of MTA, Trane has expanded its product portfolio to include purpose-built units for a myriad of industrial process cooling applications.

Well suited for indoor installation, the TAEevo TECH MINI chiller helps enable applications that require high performance, reliability and continuity of operation in difficult industrial environments. The TAEevo TECH MINI, with 1 ton of cooling capacity, is designed for industrial use with space and functionality in mind, can fit in tight spaces and features a more forgiving tube evaporator.

Helping to offer reliability and compatibility

The finned-tube evaporator installed in the TAEvo TECH MINI coolant storage tank helps provide lower pressure drop and reduced fouling and chance of failure due to freezing, clogging and/or pressure drops compared to a brazed-plate evaporator, helping to allow a high level of reliability. The innovative finned-coil evaporator improves heat transfer surface while helping to reduce coolant pressure drop. And the polyethylene tank and non-ferrous hydraulic circuit are compatible with a wide range of process coolants including deionized water and glycol mixtures.



Innovative Tank-Mounted Evaporator



Controller with Digital Icon Displays

Increased installation flexibility

The TAEvo TECH MINI is packaged with on-boarding pump(s), coolant buffer tank and controls for “plug-and-play” installation and features a small footprint design that can be installed indoors. And units are readily available, with local Trane service locations offering quick response for assistance with installation, start-up and maintenance.

Wide operating range

Accepting coolant inlet temperatures up to 85°F (30°C) and providing coolant outlet temperature as low as 23°F (-5°C) helps allow the TAEvoTECH MINI to meet the widest range of applications. And with an ambient air temperature limit of 108°F (42°C), the MINI performs well even in extreme environments.

Ideal for those involved in daily manufacturing oversight

The TAEvo TECH MINI is ideal for those involved in day-to-day manufacturing oversight, such as production supervisors, operators and internal engineering teams, and machinery OEMs, who manufacture products where process cooling is a critical component. Its wide range of supply temperatures offers suitability for different needs in multiple industries, including:

- Aggregate and concrete
- Beverage
- Chemical
- Food
- Laser
- Mechanical
- Medical
- Printing/graphics/paper
- Rubber and plastics
- Solvent recovery
- Vision/sorting
- Waste energy/biomass



MTA is ISO9001 certified, a sign of its commitment to complete customer satisfaction



Standard features

- Eco-friendly R410a refrigerant
- High refrigerant pressure safety switch
- Large, vented coolant storage tank with drain, fill and overflow connections
- Non-ferrous coolant circuit
- Coolant level indicator
- Cleanable metal condenser air filter
- Digital microprocessor-based control
- Large red/green status light
- Remote start/stop input and alarm output contacts

Options

- Casters
- Coolant pressure by-pass
- Low coolant outlet temperature (23°F)
- Dynamic setpoint (follows ambient temperature)

| TAEvoTECH MINI 10 | | |
|---|------------|--------------|
| Cooling capacity ¹ | Tons | 0.97 |
| Total absorbed power ¹ | kW | 1.5 |
| Pump nominal flow & pressure ¹ | gpm @ psig | 2.3 @ 54 |
| Power supply ² | V/Ph/Hz | 230/2/60 |
| Tank volume | gal | 6 |
| Connection sizes | NPT-F | 1/2" |
| Dimensions (W x L x H) | inch | 19 x 26 x 34 |
| Weight (operating) | lbs | 275 |

¹ @ nominal conditions of 54°F (12°C) water inlet, 44°F (7°C) water outlet & 95°F (35°C) ambient air temperatures
² Suitable for stated voltage +/- 10% and single phase or split phase supply power

Backed by Trane Service

The TAEvo TECH MINI is backed by Trane service, to ensure operational continuity. Our nationwide service network is available 24/7.



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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