



# eco-Air Series™ APEX™

High Density Data Center &  
Mission-Critical Heat Rejection



† Mark owned by the Cooling Technology Institute



EVAPCO is more than a name. We are the global innovator in heat transfer solutions for the commercial HVAC, industrial refrigeration, power and industrial process markets. We pledge to make everyday life easier, more comfortable, more reliable, and more sustainable for people everywhere.

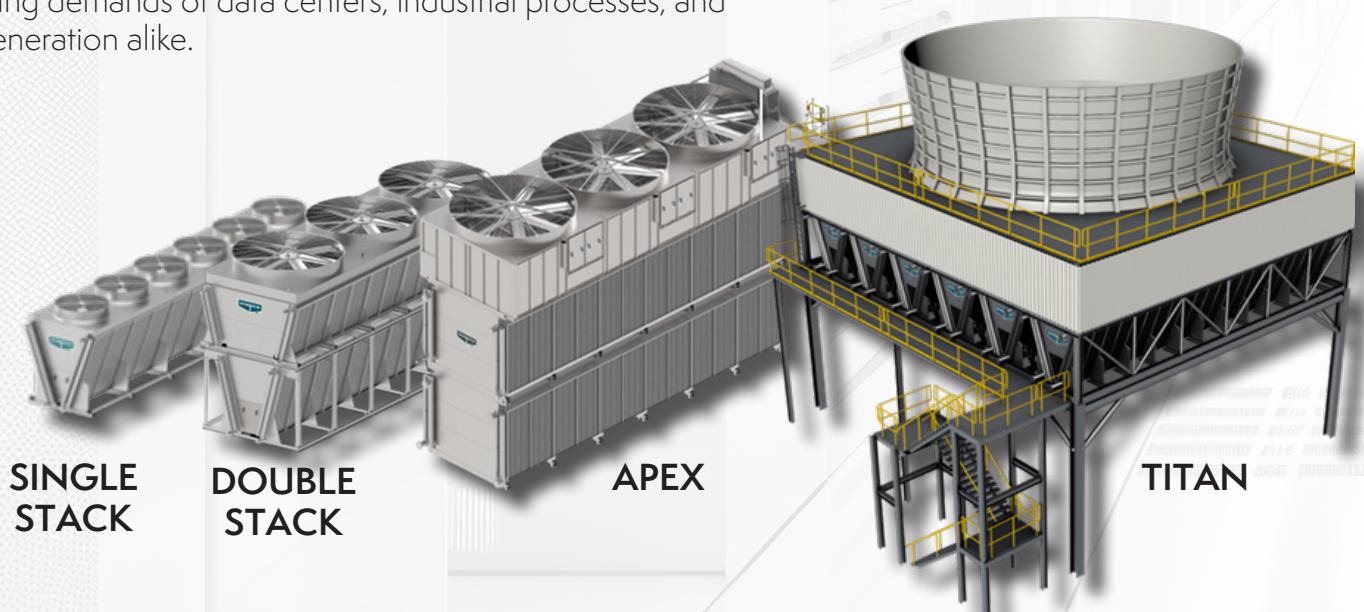


## HIGH-DENSITY AIR-COOLED HEAT REJECTION

Across multiple industries, thermal loads are increasing while tolerance for complexity, water consumption, and deployment risk continues to shrink. Data centers are adopting liquid cooling to support higher compute densities, industrial processes are operating at higher thermal duty cycles, and power-generation assets are under pressure to improve efficiency and flexibility. In each of these markets, traditional heat-rejection solutions—whether air-cooled or evaporative—are being pushed to their practical limits. The **eco-Air APEX** was developed in response to this convergence, delivering a new level of air-cooled heat-rejection capacity in a fully factory-assembled format.

The APEX builds on EVAPCO's long history of large-scale air-cooled heat rejection, **including the proven eco-Air Double-Stack dry cooler products**, which have been successfully deployed across data centers, industrial plants, and energy infrastructure. This capability directly supports modern cooling architectures—ranging from **direct-to-CDU liquid-cooled data centers to closed-loop industrial processes and power-generation auxiliary cooling**—where higher operating temperatures and high availability are essential.

The eco-Air APEX reflects a broader shift toward **simplified, scalable, and water-efficient heat rejection** across critical infrastructure markets. By bridging the gap between traditional dry coolers and large field-erected systems, the APEX establishes a new benchmark for high-capacity air-cooled heat rejection—one that serves the growing demands of data centers, industrial processes, and power generation alike.



# CERTIFIED PERFORMANCE



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EVAPCO's eco-Air Series APEX Dry Cooler joins the eco-Air Single Stack & Double Stack dry coolers as CTI Certified for Thermal Performance per Standard 201. The Cooling Technology Institute (CTI) is an independent third-party organization who validates the thermal performance of evaporative and dry heat rejection equipment. CTI certification of EVAPCO's published thermal performance ratings ensures every customer has peace of mind when purchasing EVAPCO products.



## CTI CERTIFIED APEX THERMAL PERFORMANCE: 11,490 MBH (3.37 MW)

At CTI Nominal Conditions: 115°F Inlet, 105°F Outlet, 95°F Dry Bulb

## BENEFITS

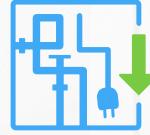
An evolution of the highly successful eco-Air Double Stack product line, the APEX extends factory-assembled dry cooling performance into capacity ranges historically reserved for field-erected solutions. By increasing coil surface area, optimizing airflow profile, and leveraging high-efficiency fans and controls, the APEX enables significantly higher heat rejection per unit footprint. This higher heat rejection density enables further reduction in installed footprint, electrical/piping connections and field labor.



**REDUCE  
INSTALLED  
FOOTPRINT**



**MAXIMIZE DRY  
OPERATION &  
WATER  
EFFICIENCY**



**REDUCE  
FIELD PIPING  
& WIRING**



**EAW-DD**  
Double Stack  
Dry Cooler



**EAW-HD**  
APEX  
Dry Cooler

## APPLICATIONS & MARKETS



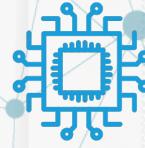
**Data Centers**



**Industrial Processes**



**Hydrogen Plant**



**Microchip & Battery  
Fabrication**



**Liquid Immersion  
Cooling**



**Turbine Cooling**



**Power Generation**



**Cryptocurrency  
Mining**

# eco-Air Series APEX

## Motor Access Panels

- Swing out base for simplified motor removal with optional motor davit
- Additional maintenance access to drive systems

## Internal Drive Access Platform

- Standard feature for safe and easy drive system maintenance
- Optional internal ladder from lower section to internal drive access platform

## Structure and Casing

- Type 304L stainless steel for increased corrosion resistance and longevity
- G-235 galvanized steel and Type 316 stainless steel available as an option

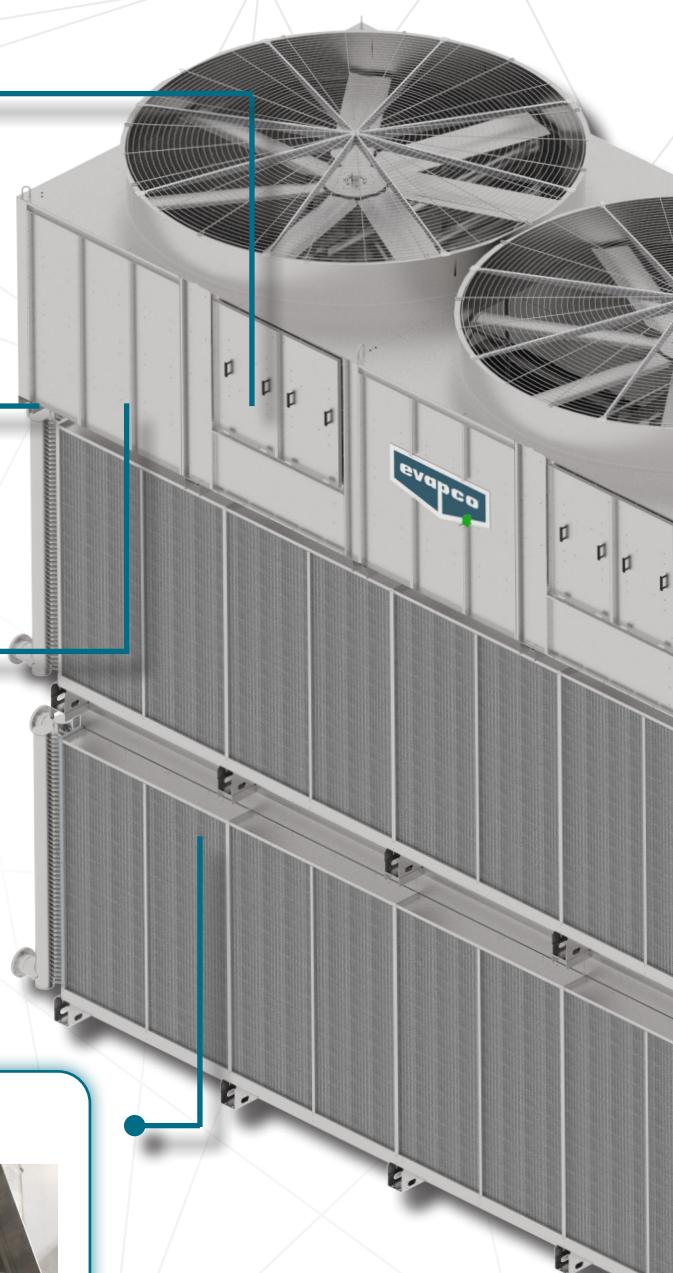
## Heat Exchanger Coils

- EVAPCO manufactured Type 304L stainless steel welded tubes
- Optional upgrade to Type 316L stainless steel tubes
- Multiple fin spacings & coil circuiting configurations
- Heavy gauge aluminum fins
- Optional upgrade to coated aluminum fins for increased corrosion resistance with no impact on unit performance

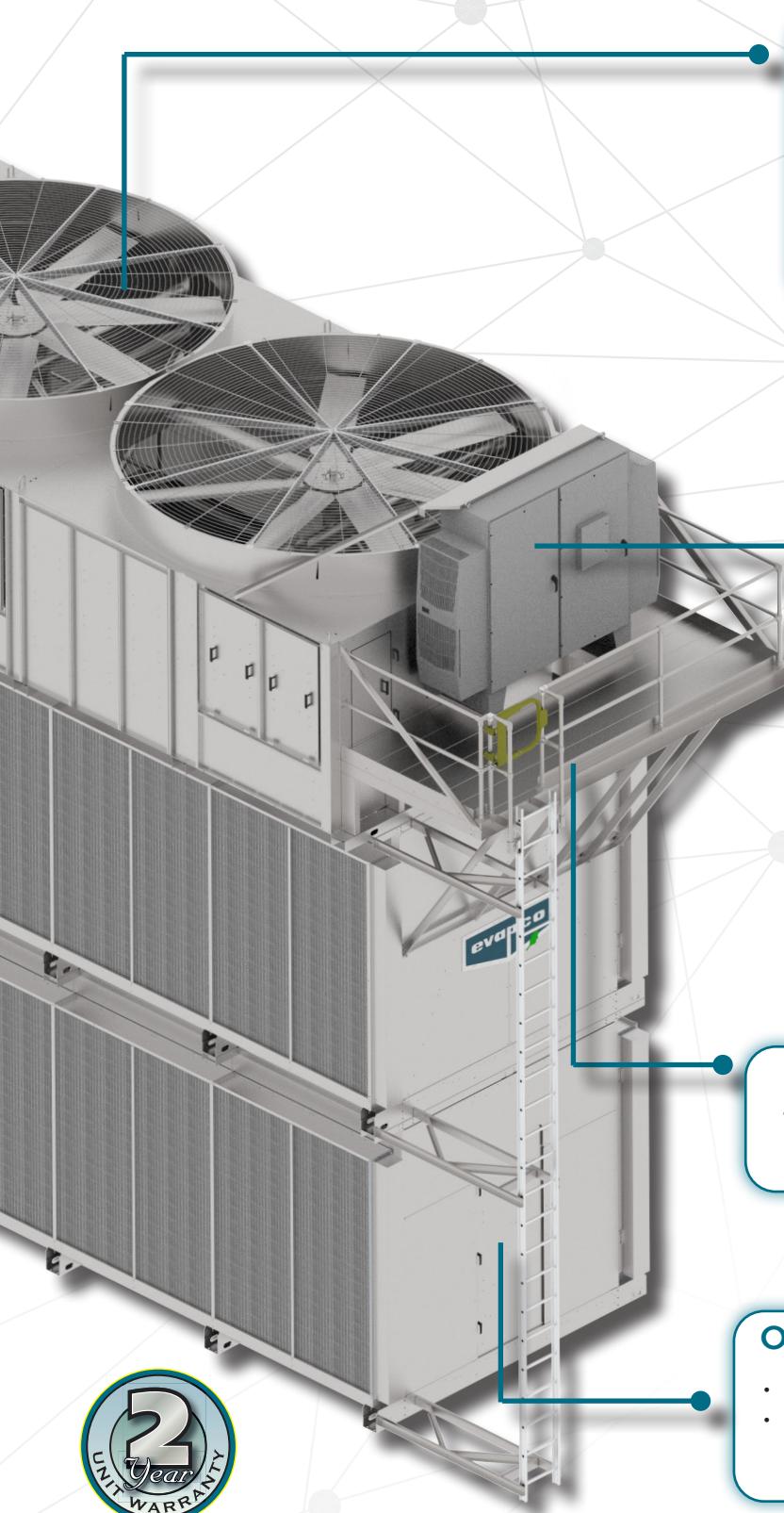


## Warranty

- 2 years for the complete unit (including drive system and heat exchanger coils)
- 1 year for the electrical components



# Features & Benefits



## Fan and Drive System

### AC/NEMA

- Factory-wired Severe Duty, Premium Efficient, VFD ready motors
- Belt drive
- Optional Super Low Sound Fan

## Factory-Mounted Control Panel

- Standard feature for plug-and-play setpoint control
- EVAPCO SelectTech factory-wired PLC/VFD control panel



## External Service Platform with Ladder

- Standard feature for access to factory-mounted control panel and internal drive access platform

## Oversized Access Door

- Lower section access for maintenance
- Access to optional internal ladder to internal drive access platform

# eco-Air™ Series Value Proposition

CTI Certified  
Thermal Performance



The eco-Air Series of Dry & Adiabatic Coolers is CTI Certified for DRY thermal performance per CTI STD 201, ensuring every customer has peace of mind when purchasing and applying EVAPCO products to their critical projects.

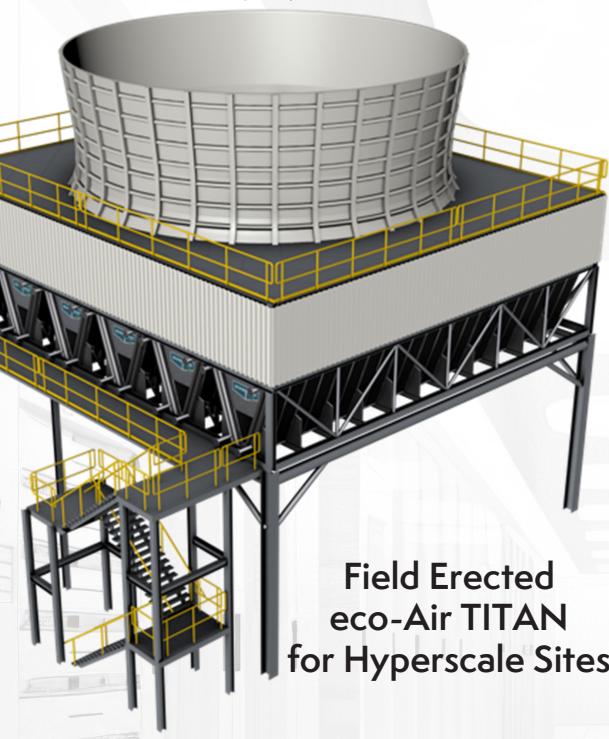
Full Spectrum of Factory Assembled &  
Field Erected Options



Flat & V Dry  
Coolers



High Capacity  
Double Stack & APEX Dry Coolers



Field Erected  
eco-Air TITAN  
for Hyperscale Sites

Vertically Integrated  
Manufacturing

From raw material to finished product, EVAPCO's vertically integrated product design ensures superior quality & reliability for mission-critical deployments.

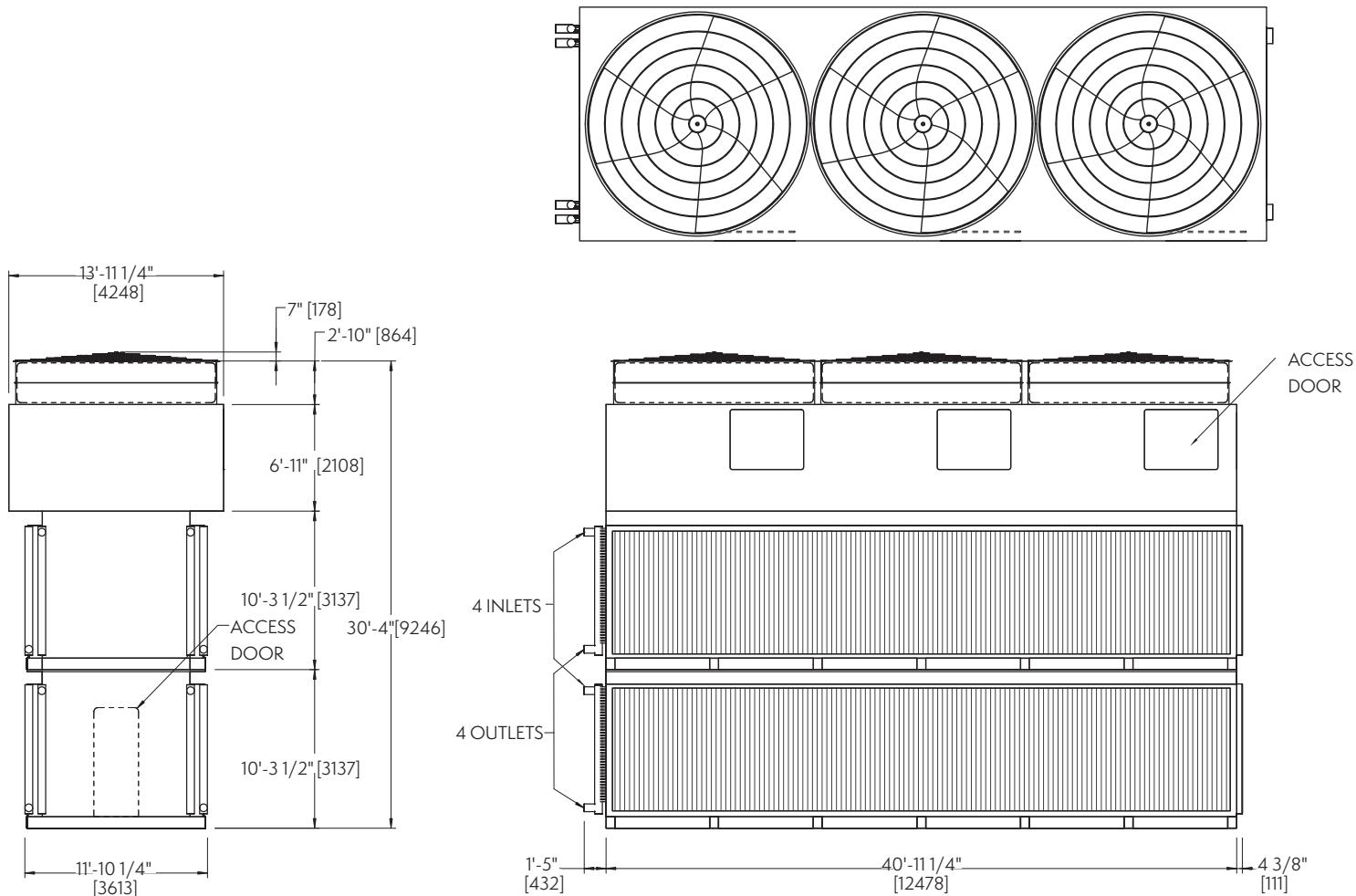


Customer Centric Design

The eco-Air Series is designed to simplify ownership through intuitive operation and simplified maintenance. EVAPCO-engineered, factory installed control panels provide true plug & play installation, minimizing start up time and getting systems up and running faster.



# eco-Air APEX Engineering Data



Model Number	Nominal Capacity (MBH)*	HP (kW)	Air Volume (cfm)	Coil Volume (gal.)	Operating Weight (lbs)
EAW-HD40S3QY037M4	10,220	150 (111)	715,100	900	59,000
EAW-HD40S3QY045M4	10,730	180 (135)	761,400		
EAW-HD40S3QY055M4	11,490	225 (165)	832,400		

**NOTES:** Nominal capacity based on 115°F-105°F at 95°F entering dry bulb temperature.  
 Dimensions are subject to change. Do not use for pre-fabrication.  
 Optional accessories that are not shown can change the weight and footprint.



# WORLDWIDE MANUFACTURING LOCATIONS



## EVAPCO, Inc. — World Headquarters & Research / Development Center

P.O. Box 1300 • Westminster, MD 21158 USA  
410.756.2600 • [marketing@evapco.com](mailto:marketing@evapco.com) • [evapco.com](http://evapco.com)

### North America

**EVAPCO, Inc.**  
**World Headquarters**  
Westminster, MD USA  
410.756.2600  
[marketing@evapco.com](mailto:marketing@evapco.com)

**EVAPCO East**  
Taneytown, MD USA

**EVAPCO East**  
Key Building  
Taneytown, MD USA

**EVAPCO Midwest**  
Greenup, IL USA  
217.923.3431  
[evapcomw@evapcomw.com](mailto:evapcomw@evapcomw.com)

**Evapcold Manufacturing**  
Greenup, IL USA

**EVAPCO Newton**  
Newton, IL USA  
618.783.3433  
[evapcomw@evapcomw.com](mailto:evapcomw@evapcomw.com)

**EVAPCO West**  
Madera, CA USA  
559.673.2207  
[contact@evapcowest.com](mailto:contact@evapcowest.com)

**EVAPCO Alcoil, Inc.**  
York, PA USA  
717.347.7500  
[info@evapco-alcoil.com](mailto:info@evapco-alcoil.com)

**EVAPCO Iowa**  
Lake View, IA USA

**EVAPCO Iowa**  
Sales & Engineering  
Medford, MN USA  
507.446.8005  
[evapcomn@evapcomn.com](mailto:evapcomn@evapcomn.com)

**EVAPCO LMP ULC**  
Laval, Quebec, Canada  
450.629.9864  
[info@evapcolmp.ca](mailto:info@evapcolmp.ca)

**EVAPCO Select Technologies, Inc.**  
Belmont, MI USA  
844.785.9506  
[emarketing@evapcoselect.com](mailto:emarketing@evapcoselect.com)

**Refrigeration Vessels & Systems Corporation**  
Bryan, TX USA  
979.778.0095  
[rvs@rvscorp.com](mailto:rvs@rvscorp.com)

**Tower Components, Inc.**  
Raleigh, NC USA  
336.824.2102  
[mail@towercomponentsinc.com](mailto:mail@towercomponentsinc.com)

**EvapTech, Inc.**  
Edwardsville, KS USA  
913.322.5165  
[marketing@evaptech.com](mailto:marketing@evaptech.com)

**EvapTech Gulf Services**  
Houston, TX USA  
281.529.6526  
[angie.montes@evaptech.com](mailto:angie.montes@evaptech.com)

**EVAPCO Dry Cooling, Inc.**  
Bridgewater, NJ USA  
908.379.2665  
[info@evapcodc.com](mailto:info@evapcodc.com)

**EVAPCO Dry Cooling, Inc.**  
Littleton, CO USA  
908.895.3236  
[info@evapcodc.com](mailto:info@evapcodc.com)

### Asia Pacific

**EVAPCO Asia Pacific Headquarters**  
Baoshan Industrial Zone Shanghai, P.R. China  
(86) 21.6687.7786  
[marketing@evapcochina.com](mailto:marketing@evapcochina.com)

**EVAPCO (Shanghai) Refrigeration Equipment Co., Ltd.**  
Baoshan Industrial Zone, Shanghai, P.R. China

**EVAPCO (Beijing) Refrigeration Equipment Co., Ltd.**  
Huairou District, Beijing, P.R. China  
(86) 10.6166.7238  
[marketing@evapcochina.com](mailto:marketing@evapcochina.com)

**EVAPCO Air Cooling Systems (Jiaxing) Company, Ltd.**  
Jiaxing, Zhejiang, P.R. China  
(86) 573.831.9379  
[info@evapcochina.com](mailto:info@evapcochina.com)

**EVAPCO Australia (Pty.) Ltd.**  
Riverstone, NSW, Australia  
(61) 02.9627.3322  
[sales@evapco.com.au](mailto:sales@evapco.com.au)

**EvapTech (Shanghai) Cooling Tower Co., Ltd**  
Baoshan District, Shanghai, P.R. China.  
Tel: (86) 21.6478.0265

**EvapTech Asia Pacific Sdn. Bhd.**  
Puchong, Selangor, Malaysia  
(60) 3.8070.7255  
[marketing-ap@evaptech.com](mailto:marketing-ap@evaptech.com)

### Europe | Middle East | Africa

**EVAPCO Europe EMENA Headquarters**

Tongeren-Borgloon, Belgium  
(32) 12.39.50.29  
[evapco.europe@evapco.be](mailto:evapco.europe@evapco.be)

**EVAPCO Europe BV**  
Tongeren-Borgloon, Belgium

**EVAPCO Europe, S.r.l.**  
Milan, Italy  
(39) 02.939.9041  
[evapcoeurope@evapco.it](mailto:evapcoeurope@evapco.it)

**EVAPCO Europe, S.r.l.**  
Sondrio, Italy

**EVAPCO Europe A/S**  
Aabybro, Denmark  
(45) 9824.4999  
[info@evapco.dk](mailto:info@evapco.dk)

**EVAPCO Europe GmbH**  
Meerbusch, Germany  
(49) 2159.69560  
[info@evapco.de](mailto:info@evapco.de)

**EVAPCO Middle East DMCC**  
Dubai, United Arab Emirates  
(971) 56.991.6584  
[info@evapco.ae](mailto:info@evapco.ae)

**Evap Egypt Engineering Industries Co.**  
A licensed manufacturer of EVAPCO, Inc.  
Nasr City, Cairo, Egypt  
(20) 10.054.32.198  
[evapco@tiba-group.com](mailto:evapco@tiba-group.com)

**EVAPCO S.A. (Pty.) Ltd.**  
A licensed manufacturer of EVAPCO, Inc.  
Isando, South Africa  
(27) 11.392.6630  
[evapco@evapco.co.za](mailto:evapco@evapco.co.za)

### South America

**EVAPCO Brasil**  
Equipamentos Industriais Ltda.  
Sorocaba, São Paulo, Brazil  
(55) 11.5681.2000  
[vendas@evapco.com.br](mailto:vendas@evapco.com.br)

**FanTR Technology Resources**  
Sorocaba, São Paulo, Brazil  
(55) 11.4025.1670  
[fantr@fantr.com](mailto:fantr@fantr.com)