



EAW-DA

EAW-DD



eco

AirTM Series

DOUBLE STACK

Dry & Adiabatic Coolers



EAW-Models

† 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.



CERTIFIED PERFORMANCE

EVAPCO's eco-Air Series of Single Stack & Double Stack dry coolers is now 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 Standard 201 was expanded to include dry coolers in 2022. CTI certification provides credibility to EVAPCO's published thermal performance ratings, ensuring every customer has peace of mind when purchasing EVAPCO products.



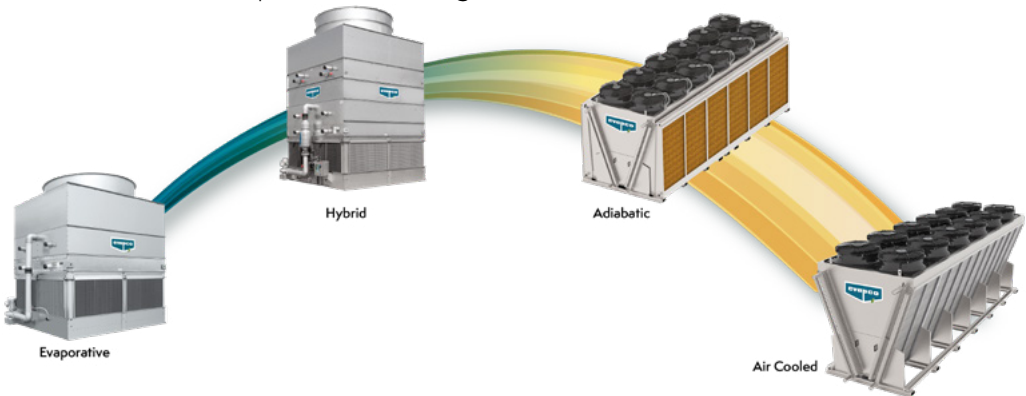
SUSTAINABILITY FIRST

The eco-Air Double Stack is EVAPCO's latest addition to the eco-Air Series of Dry & Adiabatic coolers. The eco-Air Series of products is designed to address growing market concerns of sustainability, efficiency, and water conservation. In recent years, factors such as rising water costs, water shortages, and code changes have driven conscientious building owners and engineers to reduce water consumption on cooling applications across all industries.

Anticipating these changing market trends, EVAPCO has introduced various innovations over the years. Our team currently holds over 200 active patents around the world, with many beginning in our state-of-the-art Wilson E. Bradley Research and Development Center.

Key advancements in water and energy efficiency include the evaporative eco-ATWB hybrid coolers with finned coils and high dry-bulb switchover temperatures and the EVAPCO Water Saver™, a capacitive deionization system designed to increase water treatment cycles of concentration and significantly reduce water consumption.

EVAPCO introduced the eco-Air Series of Dry & Adiabatic coolers to maximize water efficiency. The eco-Air Double Stack cooler represents a continuing progression in our full spectrum of global heat transfer solutions, as well as a consistent commitment to the environment. Visit evapco.com to learn more about our Global Sustainability Directive and how it shapes our offerings.

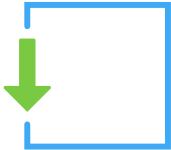


BENEFITS

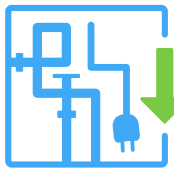
Any application requiring a large amount of heat rejection and a significant reduction in water usage can benefit from eco-Air Double Stack dry coolers. These applications will also gain the advantage of a simpler system set-up with a minimized amount of units, electrical connections, and piping.



MAXIMIZE DRY OPERATION & WATER EFFICIENCY



REDUCE INSTALLED FOOTPRINT



REDUCE FIELD PIPING & WIRING

When selected with EVAPCO's adiabatic pad pre-cooling system, elevated ambient dry bulb temperatures can be depressed to maintain low leaving fluid temperature set-points. Water utilized by the adiabatic pad pre-cooling system evaporates off the surface of the pad, keeping the finned coil bundles completely dry.

The eco-Air Double Stack coolers are taller and wider than the smaller single stack units, with significantly more dry coil surface area and higher airflow capability to maximize heat rejection for a given footprint.

APPLICATIONS

The eco-Air Double Stack product line can be applied to a wide spectrum of applications, especially those with large cooling requirements, where reducing or eliminating water usage is critical.



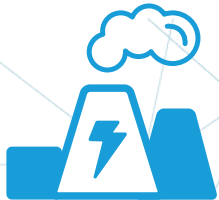
INDUSTRIAL PROCESSES



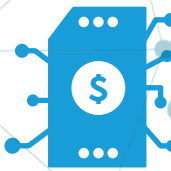
DATA CENTERS



HVAC



POWER GENERATION



LIQUID IMMERSION COOLING

EVAPCO's sales representatives and engineers have the tools to help you select the right product for your application.

To find out if the eco-Air Double Stack is the right solution for your project, please contact your local EVAPCO sales representative.

eco-Air Series Double Stack Dry & Adiabatic Coolers

The eco-Air Series coolers are designed to address the market need for higher capacity dry coolers with a smaller installed footprint than options currently available in the market. Stacking one section on top of another reduces the unit footprint, piping connections, and electrical connections by up to 50% while maximizing cooling surface area. This streamlined configuration simplifies layout and improves access for large projects requiring multiple units. EVAPCO's dry coolers and the dry performance of adiabatic coolers is now CTI certified per Standard 201, adding further credibility to EVAPCO's 100% thermal performance guarantee.

Drive System Options

AC/ NEMA

- Premium efficient VFD ready motors
- Aluminum low sound fans as standard
- Belt drive
- Motors are factory wired to UL Type 4X individual fused disconnects
- Speed control by others



EC

- Highly efficient EC motors
- Integrated fan and motor assemblies
- Factory wired by EVAPCO to a UL Type 4 PLC control panel
- Unit can control itself or accept external communication from BMS



Adiabatic Pre-cooling Media

- High efficiency adiabatic pre-cooling pads
- No water treatment required
- No drift
- No recirculation pump required

Adiabatic Water Distribution System

- Copper distribution piping
- Two stage water system for increased water savings
- Pressure gauge
- Water pressure regulator
- Strainer
- Make up connection
- Drain valve



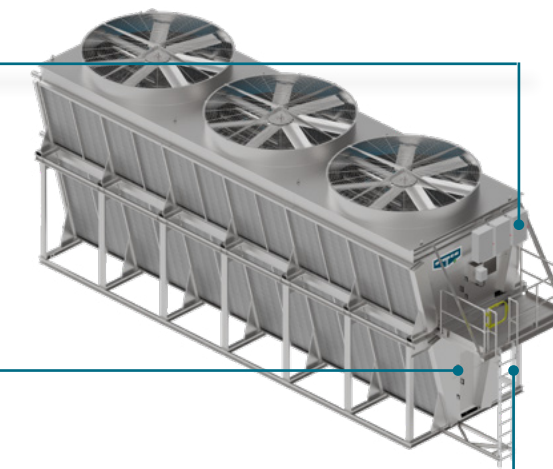
No Plume

- All eco-Air units are 100% plume free



Electrical Termination Enclosures

- UL Type 4X individual disconnects for AC/NEMA motor units
- UL Type 4 PLC panels for EC motor units
- Low voltage terminal box for solenoid valves and vibration switches



Inspection Panel

- Easily removable for interior inspection and access to coils and fan motors

External Service Platform with Ladder

- OSHA compliant
- Optional feature can be added to any installation

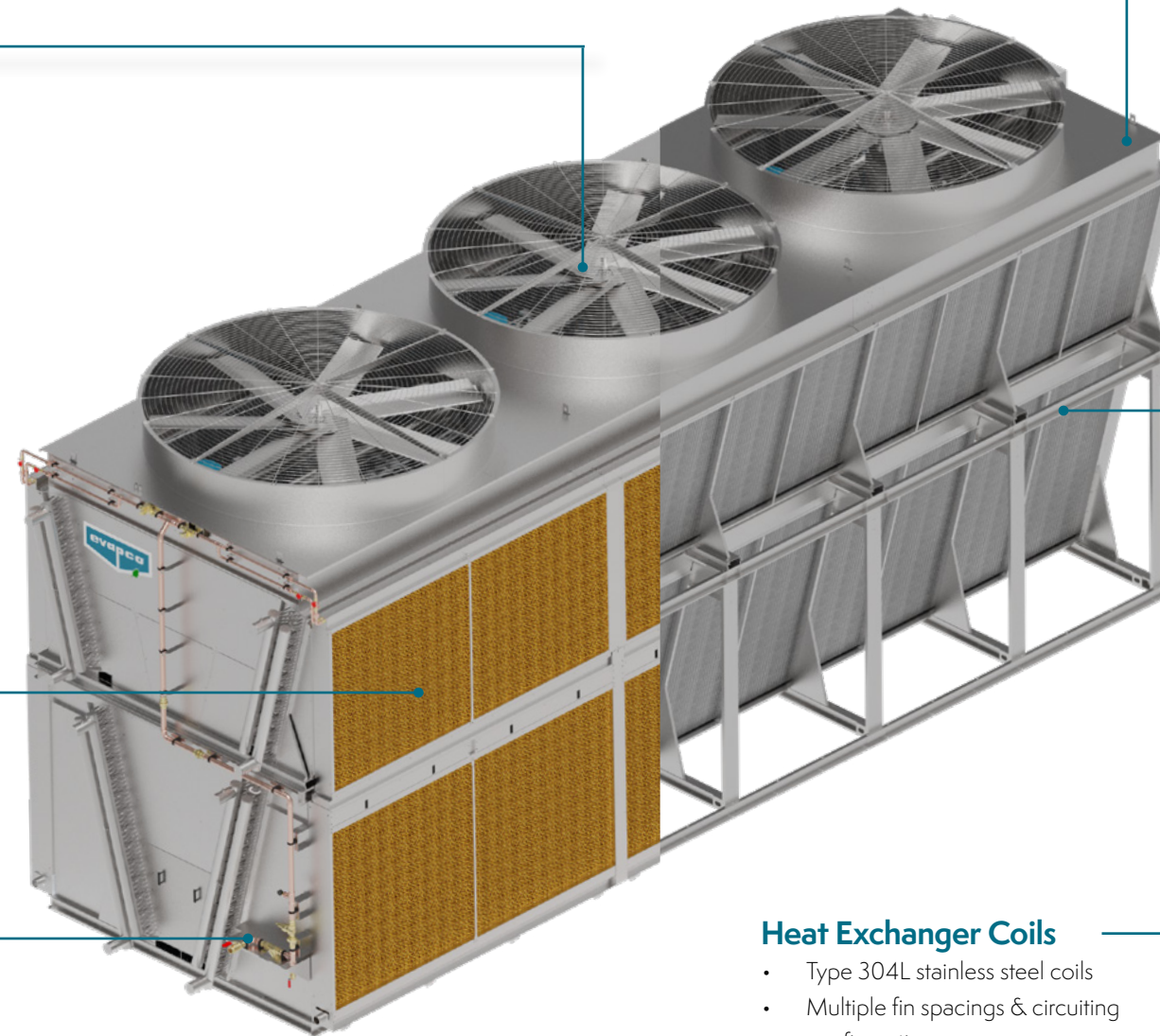
Warranty

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



Structure and Casing

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



Heat Exchanger Coils

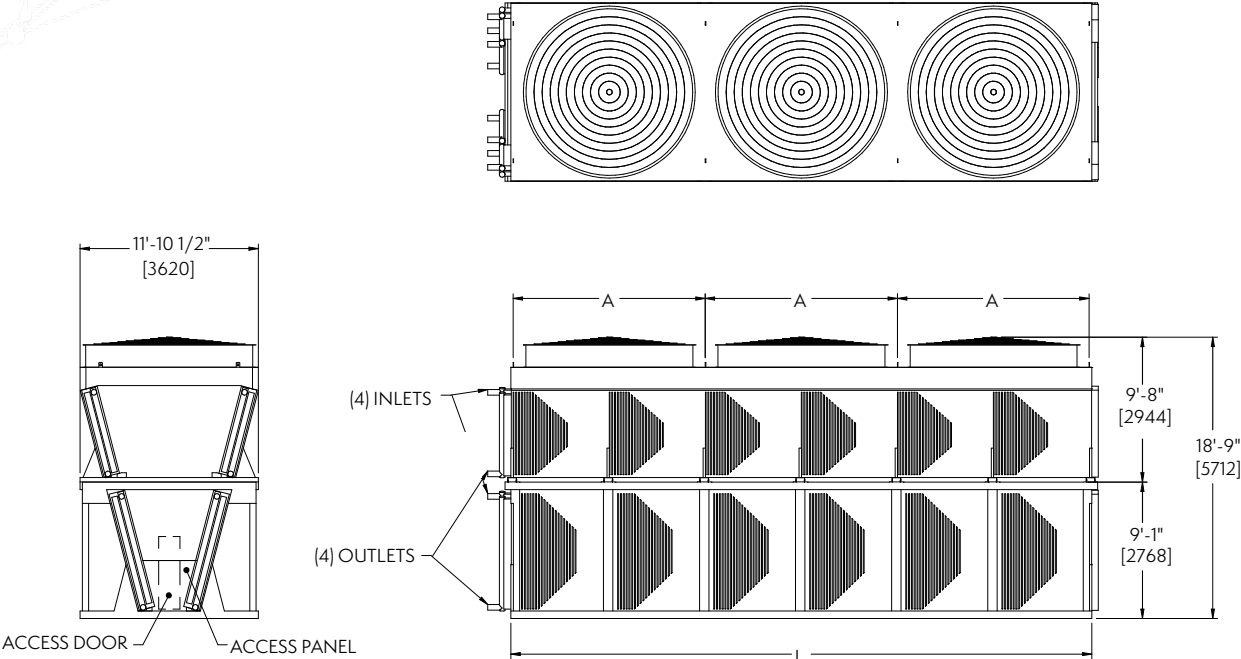
- Type 304L stainless steel coils
- Multiple fin spacings & circuiting configurations
- Heavy gauge aluminum fins
 - Optional upgrade to coated aluminum fins for increased corrosion resistance with no impact on unit performance



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eco-Air Series Dry Cooler Thermal Performance is CTI certified per STD-201.

AC/NEMA MOTOR UNITS



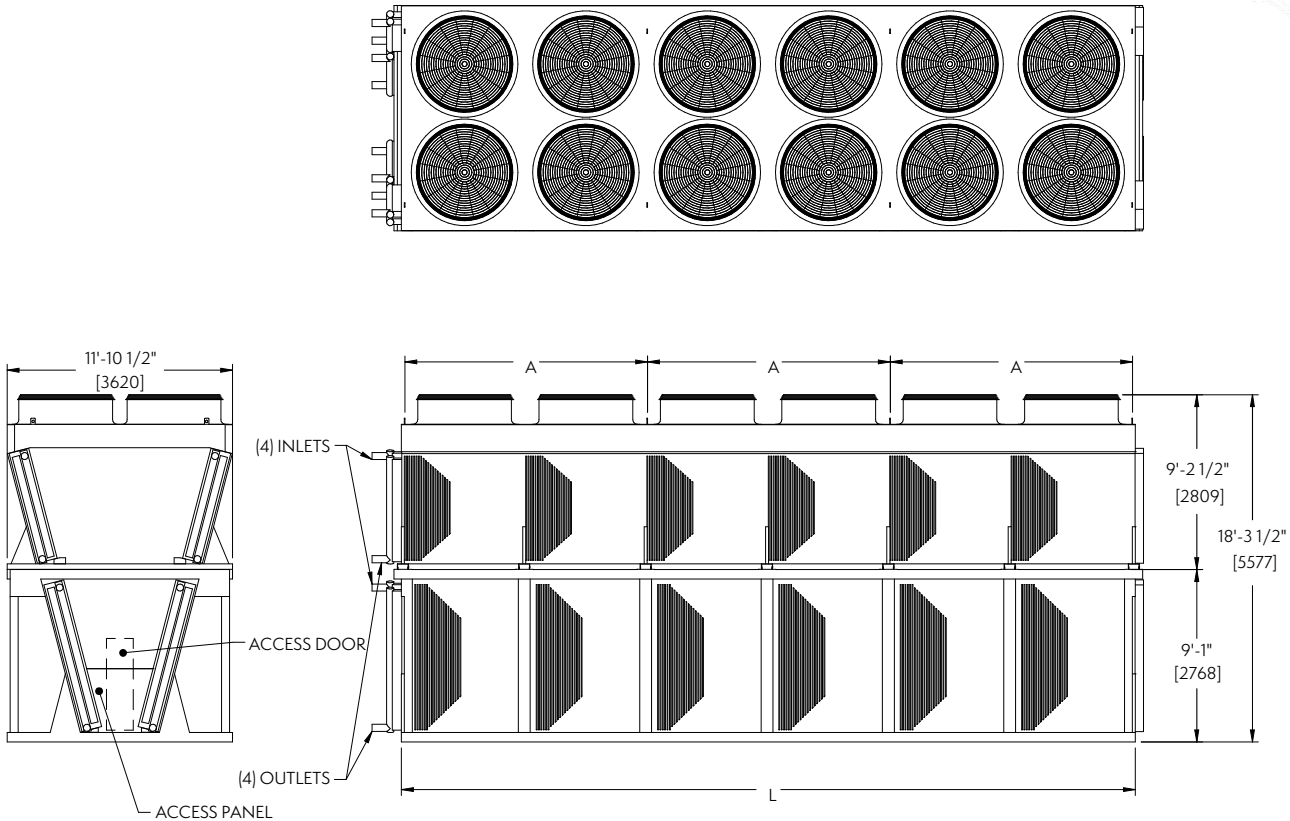
Model Number	# Fans	Nominal Capacity (MBH)*	HP (kW)	Air Volume (cfm)	Unit Length (L)	Coil Volume (gal.)	Shipping Weight (lbs.)	Operating Weight (lbs.)	Heaviest Section (lbs.)
EAW-DD 33S1XL030M4	1	2400	40 (30)	187200	14' 11-2/5"	250	15650	18000	8780
EAW-DD 33S1XL037M4	1	2510	50 (37)	199700	14' 11-2/5"	250	15650	18000	8780
EAW-DD 33S1XL045M4	1	2640	60 (45)	214700	14' 11-2/5"	250	15960	18310	9090
EAW-DD 33S2XL030M4	2	4780	80 (60)	374400	27' 9"	452	28310	32530	16110
EAW-DD 33S2XL037M4	2	5000	100 (74)	399300	27' 9"	452	28310	32530	16110
EAW-DD 33S2XL045M4	2	5250	120 (90)	429400	27' 9"	452	28920	33140	16730
EAW-DD 33S3XL030M4	3	7130	120 (90)	561600	40' 6-12/25"	692	40680	46770	23310
EAW-DD 33S3XL037M4	3	7460	150 (111)	599000	40' 6-12/25"	692	40680	46770	23310
EAW-DD 33S3XL045M4	3	7830	180 (135)	644200	40' 6-12/25"	692	41610	47700	24240

NOTES: Adiabatic Width: 13' 6"
A: Module length is 14' 11-2/5"
Dimensions are subject to change. Do not use for pre-fabrication.

*Nominal capacity based on 110°F-100°F at 92°F entering air dry bulb temperature.

Adiabatic capacity: The adiabatic cooling effect and resulting depressed dry bulb entering the coil depends on the ambient dry bulb and associated relative humidity. Consult your sales representative, EVAPCO marketing, or Spectrum™ selection software for more information.

EC MOTOR UNITS



Model Number	# Fans	Nominal Capacity (MBH)*	HP (kW)	Air Volume (cfm)	Unit Length (L)	Coil Volume (gal.)	Shipping Weight (lbs.)	Operating Weight (lbs.)	Heaviest Section (lbs.)
EAW-DD 1504XL017G7	4	2810	93 (69)	236100	14' 11-2/5"	250	15400	17750	8530
EAW-DD 1508XL017G7	8	5580	186 (139)	472300	27' 9"	452	28040	32260	15850
EAW-DD 1512XL017G7	12	8330	278 (207)	708400	40' 6-12/25"	692	40390	46480	23020

NOTES: Adiabatic Width: 13' 6"
A: Module length is 14' 11-2/5"
Dimensions are subject to change. Do not use for pre-fabrication.

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Adiabatic capacity: The adiabatic cooling effect and resulting depressed dry bulb entering the coil depends on the ambient dry bulb and associated relative humidity. Consult your sales representative, EVAPCO marketing, or Spectrum™ selection software for more information.



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