

DRY & ADIABATIC COOLERS & CONDENSERS

eco-Air Series



Environmentally Conscious Dry & Adiabatic Operation



CERTIFIED EN ISO 9001

euramm@n

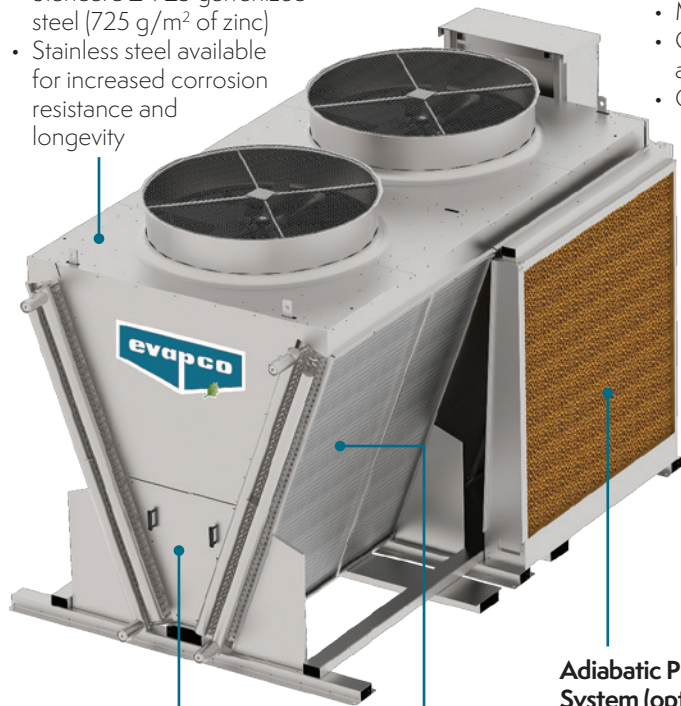
refrigerants delivered by mother na

eco-Air Series Design & Construction Features

The eco-Air Series of coolers and condensers represents EVAPCO's newest advancement in thermal heat transfer research and development. Available in fully dry and adiabatic designs, the eco-Air Series maximizes heat rejection with minimal or no water use. The eco-Air Series is another chapter in EVAPCO's ongoing commitment to high quality, environmentally friendly products.

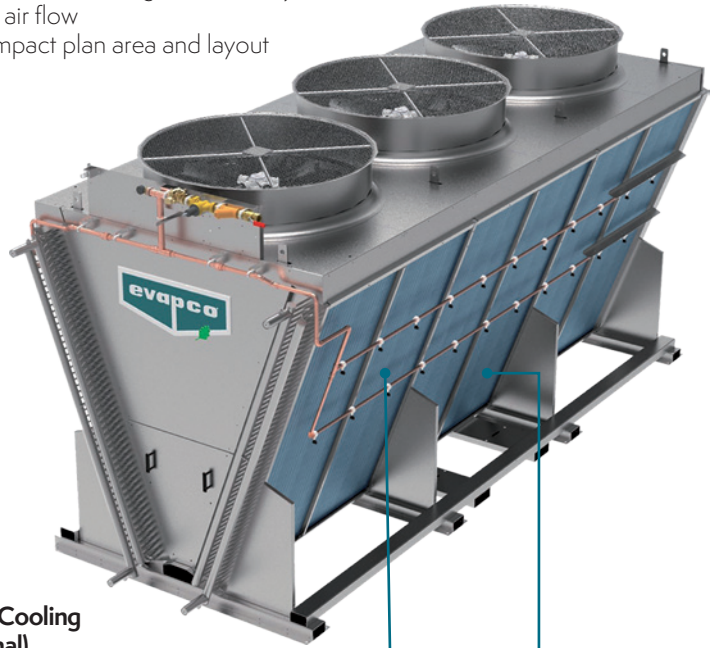
Structure and Casing

- Standard Z-725 galvanized steel (725 g/m² of zinc)
- Stainless steel available for increased corrosion resistance and longevity



V Coil Models

- Maximum surface area per footprint
- Optimized coil angle for heat rejection and air flow
- Compact plan area and layout



Inspection Panel (V Coil Models)

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



Heat Exchanger Coil

- Copper tubes with aluminum fins
- Stainless Steel tubes with aluminum fins available
- Multiple fin spacings and tube configurations
- Upgraded fin thickness available

Adiabatic Pre-Cooling System (optional)

- 150 mm wetted pads can be utilized to pre-cool entering air, resulting in greater energy savings, and increased capacity, with minimal water use
- Great for high dry bulb climates and high temperature applications
- Once through design
- No water treatment required
- No cold water basin or pump (Adiabatic Pad Drip Pan)
- No drift
- V coil models only
- Adiabatic frame in stainless steel

Spray Assist System (Optional)

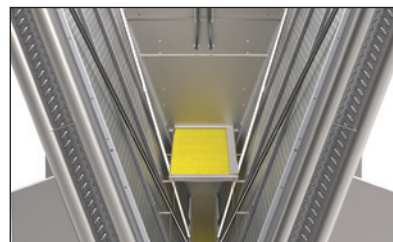
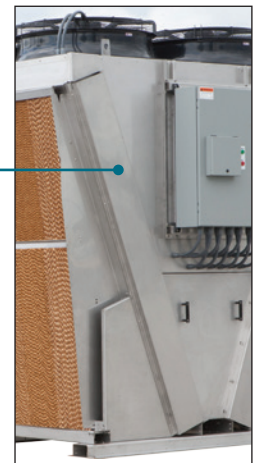
- Peak load cooling solution
- Epoxy Coated Fins
- Tangential-flow hollow cone nozzles
- Self-draining copper piping

Epoxy Coated Fins or Aluminum Magnesium Fins (optional)

- Increased corrosion resistance

Coil Return Bend Covers & Header Cover Plates (optional)

- Protects the coil return bends and the headers during handling and operation



Internal Step Deck (optional)

- Platform and grab rail for access to elevated fan section components
- V coil models only



eco-Air Series Design & Construction Features

Advanced Motor Technology - Electronically Commutated (EC) or AC fan motor designs



Electronically Commutated (EC)

- High Efficiency
- Zero Maintenance
- Integral Speed Control
- Inherently Low Sound

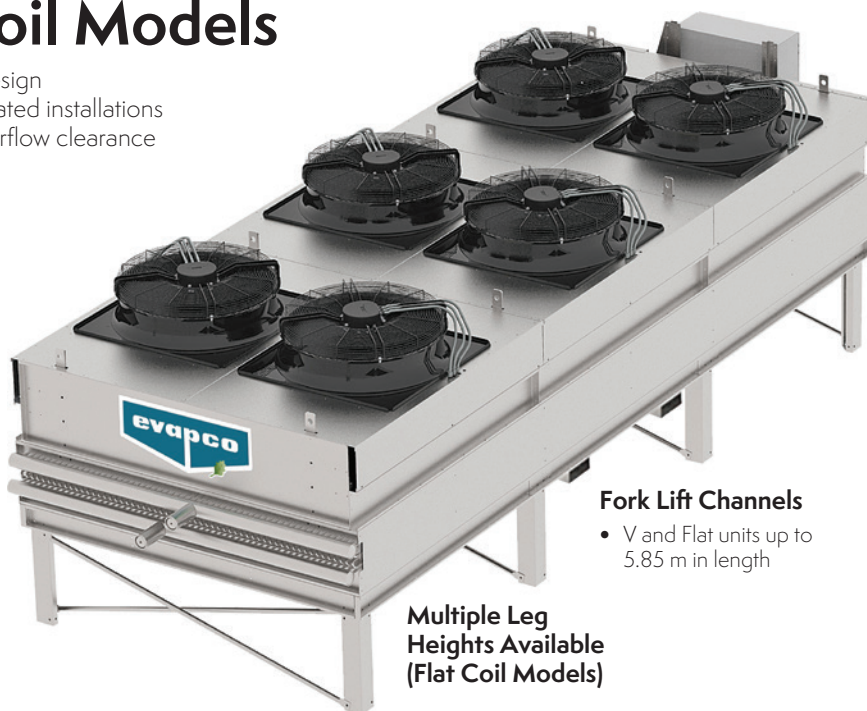
AC

- Premium efficient direct drive
- Zero maintenance permanently sealed bearings
- VFD ready
- Severe Duty



Flat Coil Models

- Low profile design
- Great for elevated installations with bottom airflow clearance



Fork Lift Channels

- V and Flat units up to 5.85 m in length

Multiple Leg Heights Available (Flat Coil Models)



Common Terminal Box (optional)

- All motors factory wired
- Saves time in the field
- Rain & Sun hood

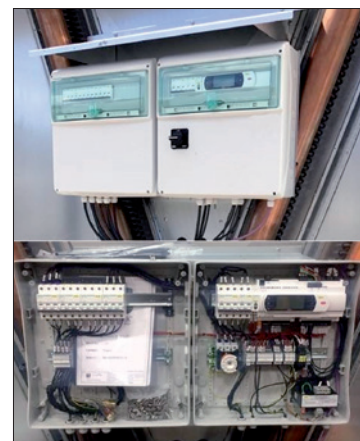


Individual Motor Safety Switch (optional)



Factory Mounted & Wired Controls (optional)

- Single point power connection
- EVAPCO PLC controller with communication to Building Management System (BMS)
- Modbus control for EC fans
- VFD for AC motors
- Thermal overload and short cut protection
- Ambient temperature sensor
- Fluid temperature sensor or Refrigerant pressure sensor
- Solenoid control of adiabatic pre-cooling system
- Rain & Sun hood



100% Fully Rated Guarantee

- Products tested at full-scale in the EVAPCO Research and Development Center
- The product will meet 100% thermal performance per specification. No performance tolerance is applied

eco-Air Series Design & Construction Features

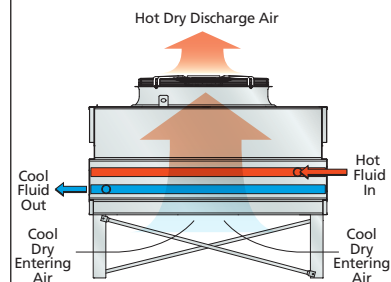
eco-Air Flat Series

EAFWD / EAFCD*



Low profile, flat, induced draft cooler (EAFWD) or condenser (EAFCD*) with bottom airflow clearance is great for any elevated outdoor application. Available with AC or EC motors.

- **100% fully rated guarantee**
- Runs 100% dry – No water treatment.
- Copper or stainless steel tubes with aluminum fins and Z-725 galvanized steel construction as standard for increased corrosion resistance and longevity.



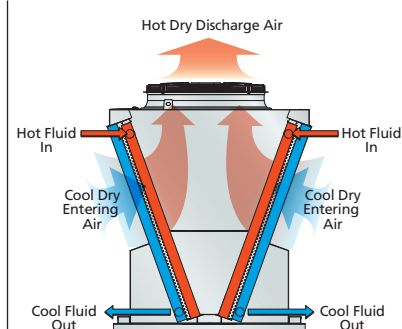
eco-Air V Series

EAVWD / EAVCD*



A dry induced draft cooler (EAVWD) or condenser (EAVCD*) with no water usage, providing maximum surface area per footprint. The innovative design provides optimal cooling while cutting the high costs of water and water treatment. Available with AC or EC motors.

- **100% fully rated guarantee**
- Runs 100% dry – No water treatment.
- Copper or stainless steel tubes with aluminum fins and Z-725 galvanized steel construction as standard for increased corrosion resistance and longevity.



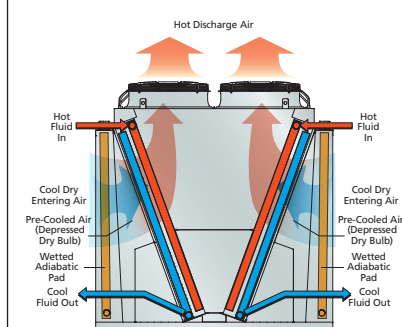
eco-Air Adiabatic Series

EAVWA* / EAVCA*



An adiabatic, induced draft cooler (EAVWA*) or condenser (EAVCA*), that minimizes water usage while providing maximum heat rejection for any outdoor applications. A pre-cooling system is used to increase the capacity for high dry bulb and high temperature applications. Available with AC or EC motors.

- **100% fully rated guarantee**
- Adiabatic pre-cooling system pre-cools the entering air for increased energy savings and capacity while minimizing water usage.
- Copper or stainless steel tubes with aluminum fins and Z-725 galvanized steel construction as standard for increased corrosion resistance and longevity.

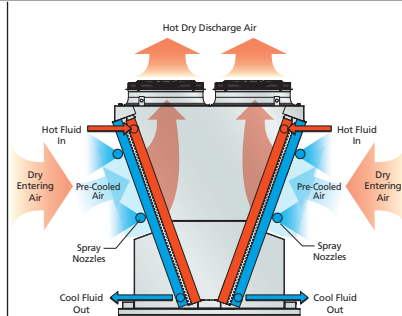


EAVWS* / EAVCS*



An adiabatic, induced draft cooler (EAVWS*) or condenser (EAVCS*), that minimizes water usage while providing maximum heat rejection for any outdoor applications. A spray assist system is used to increase the capacity for high dry bulb and high temperature applications. Available with AC or EC motors.

- **100% fully rated guarantee**
- Spray assist system pre-cools the entering air for increased energy savings and capacity while minimizing water usage.
- Copper or stainless steel tubes with aluminum fins and Z-725 galvanized steel construction as standard for increased corrosion resistance and longevity.



* Models so marked are not Eurovent certified

www.evapco.eu / www.mrgoodtower.eu

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