

# COOLING TOWERS

## AT / UAT *Advanced Technology (AT) Series*

The Industry's Smartest Induced Draft, Counterflow Cooling Towers



®  
for LIFE



\*Mark owned by the Cooling Technology Institute



## EVAPCO is more than a name.

It's a pledge to make everyday life easier, more comfortable, more reliable, and more sustainable for people everywhere. How do we fulfill on that promise? It's simple.

### **We never stop innovating.**

At EVAPCO, we don't just talk about innovation. It's ingrained in our workflow. Guided by our annually developed R&D plans, we set out every day to find groundbreaking solutions that transform the way the world works for the better. It's why we have more than 25 patents worldwide in the last 10 years alone.

### **We craft exceptionally built solutions.**

As an employee-owned company, we take pride in our work. We are proud to be one of the most experienced teams of engineers and craftsmen in the industry. This translates into solutions that are always exceptionally built. EVAPCO has an unwavering commitment to provide "best in class" heat transfer solutions and services.

### **We guarantee performance.**

Every EVAPCO solution is put through rigorous research and testing to deliver maximum efficiency and reliability. But we don't stop there. We also lead the industry in independent, third-party performance certifications. These certifications guarantee our performance metrics—so that you can plan your projects with complete peace of mind.

### **We protect the environment.**

Innovation and environmental sustainability go hand-in-hand at EVAPCO. Our industrial heat transfer equipment not only conserves natural resources and helps reduce noise pollution, but also feature recycled steel content in construction. EVAPCO's stainless steel units are constructed of panels that contain up to 75% of recycled content, and our galvanized units contain over 80%. From sound reduction to water conservation to chemical elimination, we are continuously developing new technologies that deliver the ultimate operating advantages to our clients—while protecting the planet for every generation to come.

**We are EVAPCO—the team you can count on for life.**



## Get to Know EVAPCO

- The global innovator in heat transfer solutions
- Serving the commercial HVAC, industrial refrigeration, power generation, and industrial processing markets
- Founded in 1976
- Employee-owned
- 22 facilities in 10 countries
- More than 170 sales offices worldwide

## Learn More Now.

Visit [evapco.eu](http://evapco.eu) to view complete product specs, download product catalogs, and more.



# The Advanced Technology Series: The Industry's Smartest Cooling Towers

Crafted from decades of engineering know-how, the Advanced Technology (AT) cooling tower series from EVAPCO features state-of-the-art induced draft, counterflow technology to deliver superior operating advantages in any climate. From performance to maintenance, they simply work smarter.

## 2 Advanced Technology Options. More Possibilities.

Available in 60 cross sections and a capacity range of 33 to 5,141 nominal tons (144 to 22,596 kW).  
See page 26 for model-by-model dimensions.

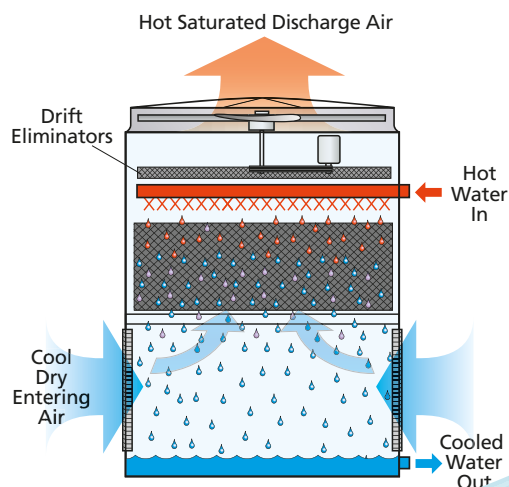


**AT** The original compact, low-horsepower, induced draft, axial fan solution for all outdoor applications.

**UAT** All-stainless-steel AT construction for maximum corrosion resistance, ideal for coastal and other corrosive environments. See page 7 to learn more.

### Principle of Operation

Warm water from the heat source is pumped to the water distribution system at the top of the tower. The water is distributed over the wet deck fill by means of large opening EvapJet™ nozzles. Simultaneously, air is drawn in through the air inlet louvers at the base of the tower and travels upward through the wet deck fill opposite the water flow. A small portion of the water is evaporated which removes the heat from the remaining water. The warm moist air is drawn to the top of the cooling tower by the fan and discharged to the atmosphere. The cooled water drains to the basin at the bottom of the tower and is returned to the heat source.



### Table of Contents

The Advanced Technology Tower at a Glance .....	4
Innovative Design Features .....	6
UAT: Ultra Advanced Technology .....	7
Eurovent-CTI Certified AT and UAT Cooling Towers .....	9
POWER-BAND Belt Drive System .....	12
Easy Maintenance Basin .....	14
Optional Equipment: Electric Basin Heaters, Water Treatment Systems, Low Sound Solutions .....	15
Additional Resources: Understanding & Specifying Sound .....	22
EVAPCO Technical Support .....	24
Engineering Data & Dimensions .....	25

# The Advanced Technology Series at a Glance



## Totally Enclosed Fan Motors

- Motors positioned for easy accessibility and extended serviceability
- Assures long life
- Energy efficient/inverter capable motors supplied as standard
- Optional space heaters available to eliminate condensation while idle



## Louver Access Door

- Hinged access panel with quick release mechanism
- Allows easy access to perform routine maintenance and inspection of the makeup assembly, strainer screen, and basin
- Standard on models with louvers 1,5 m and taller



## WST Air Inlet Louvers (*Water and Sight Tight*)

- Easily removable for access
- Framed in same material as tower basin
- Improved design to keep sunlight out—preventing biological growth
- Keeps water in while keeping dirt and debris out

US Patent No. 7,927,196

## EVAPCO POWER-BAND Drive System

- Easy-maintenance, heavy-duty drive system
- Standard heavy-duty pillow-block bearings with a minimum L10 life of 75,000 hours
- Extended lube lines
- External motor/belt adjustment
- Solid-back multigroove belts and totally enclosed motors are standard





## IBC\* Compliant Design

- All standard models meet IBC requirements
- Upgraded designs for high seismic and wind load areas

US Patent Nos. 7,938,373 and 7,963,492



### Optional Motor Davit & Working Platform

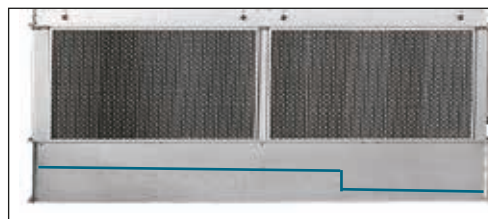
- Motor davit and bracket option for easy motor and fan removal
- Also available for gearbox removal
- Platform with ladder and safety cage arrangement available as an option
- Provides a robust self-supporting working surface for the service mechanic



EvapJet™ nozzle

### Water Distribution System

- EvapJet™ nozzles provides thermal performance gain
- Non-corrosive PVC construction
- Large orifice nozzles prevent clogging and are threaded for easy removal and positive positioning
- Each nozzle provides a large uniform spray pattern



### Clean Pan Sloped Basin Design

- Designed to completely drain the cold water basin
- Helps prevent buildup of sediment and biological film
- Eliminates standing water after drain down

*(See details of design on page 14)*



## The EVAPCO Performance Guarantee

### ECC-CTI Certified | IBC Compliant | ASHRAE 90.1 Compliant

Every Advanced Technology product is rigorously thermal performance tested by EVAPCO and then independently certified by the Eurovent Association and the Cooling Technology Institute (CTI) so you know you're getting a solution that's guaranteed to get the job done.

\* International Building Code

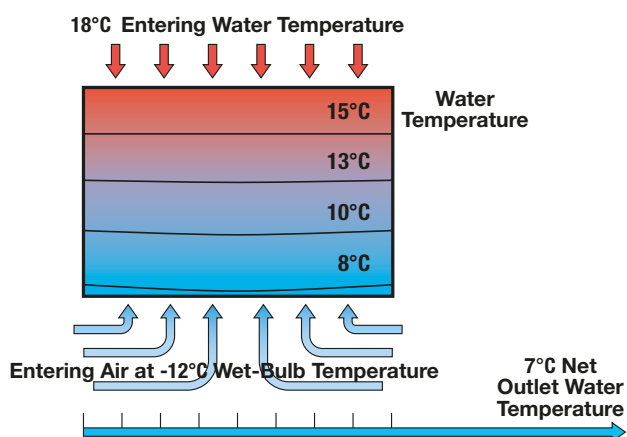
\*\* Mark owned by the Cooling Technology Institute

## Innovative Design Features

With EVAPCO, you get a partner you can count on to keep you at the cutting edge of your field. That's because we build innovation into every HVAC solution that we deliver to you. Here are just some of the game-changing features you'll find in the Advanced Technology cooling tower series.

### Optimum Design for Freezing Climates

The Advanced Technology cooling tower series features a totally encased wet-deck fill which inhibits direct exposure to the elements, as well as a bonded-block structure with bottom supports to provide additional support should ice form. On top of that, the counterflow design's even-temperature gradient ensures all water is cooled to the same temperature. Together, these smarter design elements make the Advanced Technology series the ideal solution for severe climates.



### EVAPAK® Fill

EVAPAK® fill is specially designed to induce a highly turbulent mix of air and water for superior heat transfer. Special drainage tips allow high water loadings without excessive pressure drops.

EVAPAK is constructed of inert polyvinyl chloride (PVC), so it will not rot or decay. It can also withstand water temperatures of 55° C. (An option for higher water temperatures is also available. Consult your EVAPCO representative to learn more.)

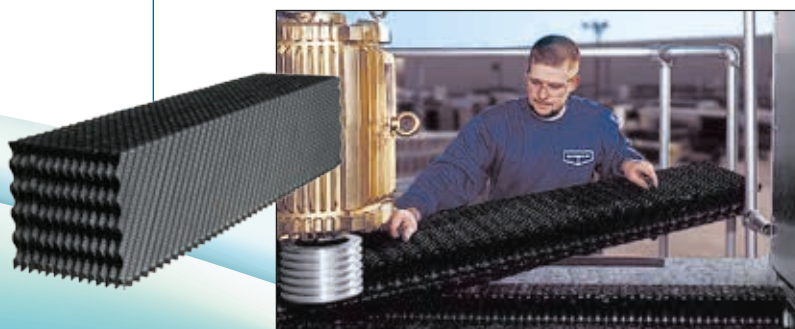
The bottom support of the fill section, combined with the unique way in which EVAPAK's cross-fluted sheets are bonded together, greatly enhances the fill's structural integrity, making it usable as a working platform for internal access to the fan and drive system.

EVAPAK is also self-extinguishing with a flame spread rating of 5 per ASTM-E84-81a.

### High-Efficiency Drift Eliminators

EVAPCO's extremely efficient drift eliminator system removes entrained water droplets from the air stream, limiting the drift rate to less than 0.001% of the recirculating water rate in most instances. This saves valuable water and enables you to place your cooling tower in areas where minimum water carryover is critical, such as parking lots.

The drift eliminators are constructed of inert PVC, which effectively eliminates corrosion of these vital components. They are assembled in sections to facilitate easy removal for inspection of the water distribution system.



# UAT: Ultra Advanced Technology

## Complete Stainless Steel Construction for Maximum Corrosion Resistance



What do you get when you combine the easy maintenance and superior operation of the Advanced Technology series with the industry's most durable construction?

The Ultra Advanced Technology (UAT) from EVAPCO— the finest factory assembled cooling tower ever offered.

### Premium Components

#### **Type 304L or 316L Stainless Steel**

Cold water basin  
Vertical support columns  
Air inlet louver frames  
Plenum

#### **Type 304L or 316L Stainless Steel\***

Upper casing and structure  
Mechanical equipment support  
Fan cowl and fan guard

#### **PVC**

Patented EVAPAK® fill  
Water distribution system  
Patented air inlet louvers  
Patented drift eliminators

*\* Complete 304L stainless steel construction, or 316L cold water basin with 304L Upper casing and structure or complete 316L stainless steel construction available for a minimal cost upgrade.*



### ECC-CTI Certified-Standard 201

- Independently certified for guaranteed performance
- No costly field performance tests required

*\*\* Mark owned by the Cooling Technology Institute*





### Smooth Flow Fans

Smooth flow axial propeller fans come standard on all Advanced Technology series cooling towers. Fan construction is dependent on unit size:

- 1,2 m-wide: Fiberglass-reinforced polypropylene (PPG) wide chord blades with die-cast aluminum hub
- Over 1,2 m: 100% aluminum alloy

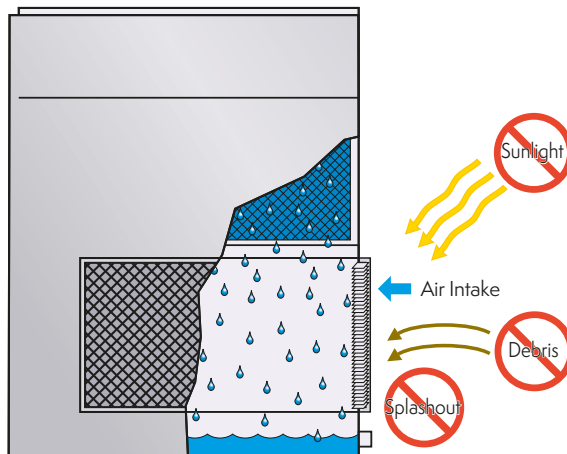
All fans are statically balanced and installed in a closely fitted cowl with venturi air inlet for maximum efficiency. Fan screens are constructed of galvanized steel or optional type 304L stainless steel, and have steel frames bolted to the fan cowl.

Low sound and super low sound fan options are also available. See page 20 to learn more.

### Pressurized Water Distribution System

The Advanced Technology series' water distribution system is made of schedule 40 PVC pipe and EvapJet™ ABS plastic water nozzles for critical corrosion protection. The piping is easily removable for cleaning. The water nozzles have a 25 mm diameter opening to help eliminate costly clogging.

The spray pressure for all Advanced Technology series cooling towers is between 7 and 41 kPa at the inlet header. (Actual spray pressure will be provided on the submittal prepared for your unit.)



### Superior Air Inlet Louver and Screen Design

EVAPCO's water and sight tight (WST) inlet louver keeps water in and sunlight out of your Advanced Technology series cooling tower. The unique, non-planar design is made from lightweight, framed PVC sections which have no loose hardware, enabling easy unit access. The louver's air channels are optimized to maintain fluid dynamic and thermodynamic efficiency and block all line-of-sight paths into the basin, eliminating splash-out even when the fans are off. And because all sunlight is blocked, algae growth is minimized. The end result: reduced maintenance hours, water consumption, and water treatment costs.



EvapJet™ nozzle compared to previous EVAPCO nozzles

# Eurovent-CTI Certified AT and UAT Cooling Towers

## CTI Standard-201

This standard sets forth a program whereby the Cooling Technology Institute will certify that all models of a line of evaporative heat rejection equipment offered for sale by a specific manufacturer will perform thermally in accordance with the manufacturer's published ratings.

In its continuing commitment to be the leaders in evaporative cooling equipment design and services, EVAPCO AT/UAT Cooling Towers are now **Independently Certified by CTI**, to perform thermally in accordance with the published data.

## What is CTI?

### Cooling Technology Institute

The Cooling Technology Institute is an organization headquartered in the United States with over 400 member companies from around the globe. CTI membership is composed of manufacturers, suppliers, owner operators, and test agencies from over 40 countries. In 2008 CTI certified more than 5000 Evaporative Heat Transfer Systems (EHTS) from 49 product line of 24 participants.

### CTI's Mission and Objectives

This can be best explained by the CTI's published Mission statement and Objectives revised in December 2003 and published on their website [www.cti.org](http://www.cti.org).

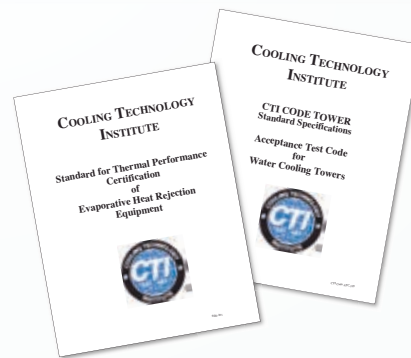
### CTI Mission Statement

To advocate and promote the use of environmentally responsible Evaporative Heat Transfer Systems (EHTS) for the benefit of the public by encouraging:

- Education
- Research
- Standards Development and Verification
- Government Relations
- Technical Information Exchange

### CTI Objectives

- Maintain and expand a broad base membership of individuals and organizations interested in Evaporative Heat Transfer Systems (EHTS).
- Identify and address emerging and evolving issues concerning EHTS.
- Encourage and support educational programs in various formats to enhance the capabilities and competence of the industry to realize the maximum benefit of EHTS.
- Encourage and support cooperative research to improve EHTS technology and efficiency for the long-term benefit of the environment.
- Assure acceptable minimum quality levels and performance of EHTS and their components by establishing standard specifications, guidelines, and certification programs.
- Establish standard testing and performance analysis systems and procedures for EHTS.
- Communicate with and influence governmental entities regarding the environmentally responsible technologies, benefits, and issues associated with EHTS.



- Encourage and support forums and methods for exchanging technical information on EHTS.

### Benefits to the End User

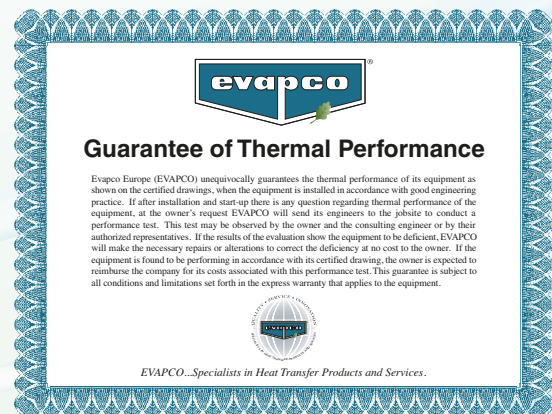
CTI defines an independent testing certification program that is specifiable, enforceable and available to all equipment manufacturer's. End users that purchase CTI certified products are assured that those products will perform thermally as specified.

Additionally CTI certification is the first step for the Green Building Concept in Europe:

- LEED - Leadership in Energy and Environmental Design
- Best Available Practice
- Green Building Rating System

### Thermal Performance Guarantee

In addition to the CTI Certification, Evapco unequivocally guarantees the Thermal Performance of ALL Evapco Equipment. Every unit order is confirmed with a submittal package that includes an Evapco Thermal Performance Guarantee Certificate.



# CTI Certification Program

## CTI Certification Process

- Submit Application for Certification
- CTI completes a technical review of the product line submitted
- CTI performs an initial qualification test in a laboratory on a specified model number
- CTI issues an Approval Letter with Validation Number if test is passed. Letter is also distributed to all members of CTI to inform everyone that a successful certification has been completed. The Certification Validation Number assigned should be fixed to each tower sold and displayed in all catalogs and other literature
- Product Line must undergo an Annual Reverification Test - Different model number is selected every year
- More details can be found on the CTI website [www.cti.org](http://www.cti.org)

## CTI Certification Test Parameters

- Entering Wet Bulb temperature - 12.8°C to 32.2°C
- Cooling Range - Minimum of 2.2°C
- Cooling Approach - Minimum of 2.8°C
- Process Fluid Temperature - Maximum of 51.7°C
- Barometric Pressure - 91.4 to 105 kPa
- More details can be found on the CTI website [www.cti.org](http://www.cti.org)

## CTI Certification Limitations

- Specific manufacturer's product line name and model numbers
- Applicable only to product lines and model numbers submitted
- Multiple cell model numbers are allowed if the airflow is not affected or the configuration impact is included in the unit rating
- Optional accessories are allowed if the airflow is not affected or the accessory impact is accounted for in the rating
- More details can be found on the CTI website [www.cti.org](http://www.cti.org)

## Evapco Europe CTI Certified AT Product Line

### AT Line of CTI Certified Cooling Towers

- CTI Certification Validation Number C13A-99R18
- Includes UAT model numbers
- Includes CE compliant fan screen
- Includes the use of side, end or bottom water inlet configuration
- Includes optional Super Low Sound Fan (SLSF)
- Includes optional pan Water Silencers (WS)
- Includes optional Low Sound Fan (LSF)
- Includes optional Discharge Attenuation
- Includes optional Offset Sound Attenuation Walls
- Includes optional Wide-Pak Fill
- Includes optional external service platform and ladders for access
- **evapSelect™** Technical data sheet will state "ECC-CTI Certified Cooling Tower"
- Unit will receive a CTI and ECC Certified Shield located near the nameplate

### Note

All CTI Certified Product Lines of all manufacturers with CTI certified products can be found on the website: <http://www.cti.org/certification.shtml>





# Eurovent-CTI Certification

In 2007 Evapco launched the initiative to create the “European Chapter” of CTI. At the start of this initiative, Eurovent and CTI established a “Memorandum of Understanding”. Since then the “Operational Manual for Certification of Cooling Towers” and the “Eurovent Rating Standard for Cooling Towers” were written. Both documents are strongly tied to the CTI documents STD 201 and ATC 105. A common “**Eurovent-CTI**” Certification program has become the European Standard for independent thermal performance rating of cooling towers. All Evapco CTI Certified cooling towers will be **Eurovent-CTI certified as from February 2012.**

## EUROVENT – CTI cooperation

### EUROVENT Association

Initially founded in 1958 EUROVENT Association represents the European refrigeration, air conditioning, air handling, heating and ventilation industry and trade associations from European and non-European countries. Over 1000 companies in 13 European countries, employing 150000 employees who jointly generate more than € 25 to 30 billion of annual output are member of this organization.



### EUROVENT mission

EUROVENT represents, promotes and defends the industry to relevant national and international bodies and cooperates with other European umbrella associations. Over the years EUROVENT has become a well-known and respected stakeholder in all industry related matters and, in particular, in climate change and energy efficiency. EUROVENT develops product certification programs for the entire industry through the EUROVENT Certification Company.

### EUROVENT Certification



The main objective of the EUROVENT Certification Company (ECC) is to certify cooling equipment (and/or

components) independently from EUROVENT Association. With a common set of well-defined procedures and criteria for the rating of products, comparison of product performance ensures a healthy and solid competition on a market open to all manufacturers. When a manufacturer participates in a certification program, he has to present its list of models or model ranges together with their performance data. The files are evaluated by the ECC Certification and a predefined number of units are selected for testing by independent laboratories. If the results comply with the relevant standards, the submitted models or ranges will be listed in the EUROVENT Certification Online Directory. Models are subject to regular random testing to verify compliance with catalogue data.

### Benefits

The Certification Mark guarantees specifying engineers, installers and end users that the products marketed by a participant have been submitted to independent testing and that they have been accurately rated. Through specification of certified products, the engineer's tasks become easier, since there is no need to carry out detailed comparison and performance testing.

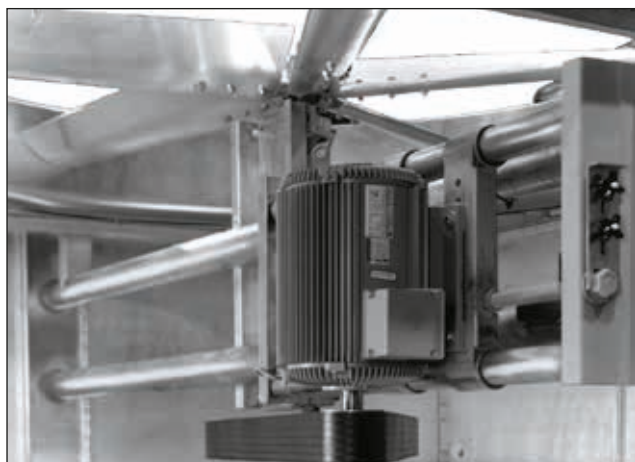


# The POWER-BAND Belt Drive System

At the heart of every Advanced Technology series cooling tower is EVAPCO's POWER-BAND Belt Drive System. Tough enough to handle the most heavy-duty cooling tower applications, it's also the easiest drive system to maintain in the industry.

## Fan Motors

POWER-BAND uses premium efficiency, inverter capable, totally enclosed fan motors that are designed specifically for cooling tower applications. A broad range of additional motors, including multi-speed motors, space heaters, thermistors, and shaft grounding rings, are also available to meet your specific needs.



## Belt Drive

Specifically designed for cooling tower service, the POWER-BAND drive is a solid-back multigroove belt system with high lateral rigidity. The belt is constructed of neoprene with polyester cords, and sized for 150% of the motor nameplate horsepower to ensure long, trouble-free operation.

## Drive System Sheaves

POWER-BAND's drive system sheaves are constructed of aluminum alloy for durability inside the cooling tower's warm, moist atmosphere. Models with totally enclosed fan cooled (TEFC) motors have a steel driver sheave protected by a hinged cover.

## Fan Shaft Bearings

Rated for a minimum L10 life of 75,000 hours, POWER-BAND's fan shaft bearings are the cooling tower industry's most heavy-duty pillow-block bearings. That means longer operating life and less risk of costly downtime.

# The Industry's Easiest Drive-System Maintenance

With POWER-BAND, all periodic maintenance can be safely performed from the side of your Advanced Technology series cooling tower. No standing inside the cold water basin—and no need for fan deck handrails or safety cages.

## Standard Towers (2,4 m Wide or Less)

The totally enclosed fan cooled (TEFC) motor is mounted on the outside and protected from the weather by a cover that swings away for maintenance. A large, hinged access door is located on the side of the unit for easy access to the fan drive system. The belt can be adjusted by tightening the j-bolts on the motor base, and tension can be checked easily through the access door. The bearing lubrication lines have been extended to the exterior casing and are located by the access door, thus making bearing lubrication easy. Sloped maintenance ladders and working platforms are available to make maintenance even easier. See page 14 for details.



## Large Towers (Over 2,4 m Wide)

The totally enclosed air over (TEAO) motor is located inside the fan casing and mounted on a unique, heavy-duty adjustable motor base that's designed to swing completely to the outside of the unit through a large, hinged access door 1,3 square meters. The belt can be easily adjusted from outside the unit via an all-thread that runs through the motor base, or via the motor base's unique locking mechanism if a wrench is not available. Bearing lubrication fittings are extended to the side of the unit inside the access door to allow for easy application of the bearing lubricant. To facilitate motor removal, an optional motor davit is available. See page 15 for details.





# Worry-Free Maintenance Basin Design

The cold water basin is the most important area of a cooling tower to maintain. Dirt and debris naturally collect there as a result of the evaporation process and must be cleaned out on a regular basis. The basin section of every Advanced Technology series cooling tower is designed to allow quick and easy access—promoting routine maintenance of the cold water basin.



## Easy Access

The cold water basin section is easily accessible from ground level by simply loosening the two quick release fasteners on the inlet louver assemblies and lifting out the lightweight louver. The basin can be accessed from all four sides of the cooling tower, and the bottom of the fill section is a minimum of 1.2 m above the basin floor. This open design enables the basin to be easily cleaned. *Note: 1,2 m-wide models are accessible on only two sides.*

## Louver Access Door

To aid in basin maintenance, most Advanced Technology models can be equipped with an optional louver access door. This allows easy access to perform routine maintenance and inspection of the makeup assembly, strainer screen, and basin without removing an entire inlet louver. *Note: This feature is standard on models with louvers 1,5 m and taller and optional on models with 1,2 m tall louvers.*

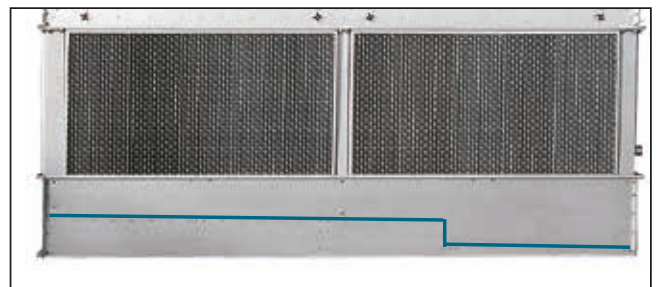


## Stainless Steel Strainers

For most cooling towers, the strainer is subject to excessive wear and corrosion. Not so with EVAPCO's cooling towers. Our strainers are constructed with stainless steel—a long-standing EVAPCO standard—ensuring that yours will last the life of your cooling tower.

## Clean Pan Design

The Advanced Technology series also features a completely sloped basin from the upper to lower pan section. This "clean pan" design allows the water to be completely drained from the basin. The cooling tower water will drain from the upper section to the depressed lower pan section where the dirt and debris can be easily flushed out through the drain. This design helps prevent buildup of sedimentary deposits and biological films, and minimizes standing water. *Note: On 1,2 m wide units, the pan is sloped without the step.*



## Optional Equipment

The standard design of the EVAPCO Advanced Technology series makes it the easiest cooling tower to maintain in the industry. Take your tower to the next level with a host of options that can make maintenance even easier and extend the life of your cooling tower even longer.

### Sloped Maintenance Ladders

Designed by EVAPCO and OSHA-compliant, this sloped “ships type” ladder enables visual inspection of the water distribution system and drive components. What’s more, all standard drive system maintenance can be performed from the ladder. A handrail is attached to the sloped ladder for safe and easy ascent and descent—no need for safety cages.

**Notes:** Available on all models wider than 1,2 m.

*A vertical ladder is available for smaller models.*

*Ladder ships loose and must be field mounted.*

*A safety cage is not included in this design. Check conformity with local legislation before application.*



### Working Platform & Ladder with Davit

Make it easy to service the fan motor and water distribution system with this heavy-duty, self-supporting working platform and standard ladder. A less expensive alternative to field erected catwalks, the system is OSHA compliant and ships in sections for easy installation. *Note: The working platform is not available on 1,2 m - wide models.*

Plus! Eliminate crane rentals with an optional davit that facilitates the easy removal of motors, gear drives, and fans. The davit is constructed of aluminum and is mounted on the side of the unit with a galvanized steel bracket. *Note: Davit ships loose and is installed in the field.*



### Stainless Steel Welded Basin

The basin provides the structural support for the unit and is the most important part of your cooling tower. Maximize its protection against corrosion with EVAPCO’s optional stainless steel water touch basin, which uses type 304L or type 316L stainless steel for the entire basin area, including the support columns and plenum of the cooling tower and the louver frames.

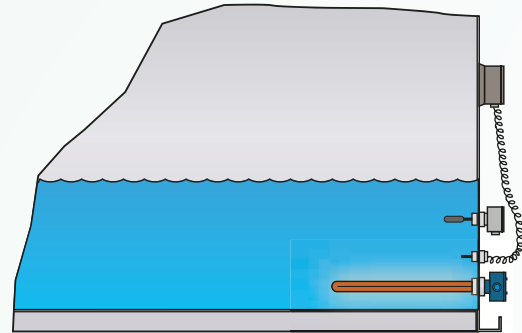


## Optional Equipment: Electric Basin Heaters

Electric immersion heaters can be added to the basin of your Advanced Technology series cooling tower. They are sized to maintain a 4°C pan water temperature with the fans and system pumps off. A thermostat and low-water protection device cycle the heater on when required and prevent the heater elements from energizing unless they are completely submerged. All components are protected by rugged, weatherproof enclosures for outdoor use.

**AT/UAT Heater Sizes \***

	Box Size	-18°C kW	-28°C kW	-40°C kW
1-CELL	4 x 4	2	3	4
	4 x 6	3	4	5
	4 x 9	4	5	7
	4 x 12	5	7	9
	8.5 x 6	5	7	9
	8.5 x 8	6	8	12
	8.5 x 9	7	10	15
	8.5 x 11	8	12	15
	8.5 x 12	(2) 4	(2) 7	(2) 9
	8.5 x 14	(2) 5	(2) 7	(2) 10
	10 x 12	(2) 5	(2) 8	(2) 10
	10 x 18	(2) 7	(2) 12	(2) 15
	12 x 12	(2) 6	(2) 9	(2) 12
	12 x 14	(2) 7	(2) 10	(2) 15
	12 x 18	(2) 9	(2) 15	(2) 18
	12 x 20	(2) 10	(2) 15	(3) 15
2-CELL	14 x 24	(2) 16	(3) 16	(3) 20
	14 x 26	(2) 16	(3) 16	(3) 20
	6 x 17	(2) 5	(2) 7	(2) 9
	8 x 17	(2) 6	(2) 8	(2) 12
	8.5 x 18	(2) 6	(2) 9	(2) 12
	8.5 x 21	(2) 7	(2) 12	(2) 15
	8.5 x 24	(4) 4	(4) 7	(4) 9
	8.5 x 28	(4) 5	(4) 7	(4) 10
	10 x 24	(4) 5	(4) 8	(4) 10
	10 x 36	(4) 7	(4) 12	(4) 15
	12 x 9	(2) 5	(2) 7	(2) 9
	12 x 24	(4) 6	(4) 9	(4) 12
	12 x 28	(4) 7	(4) 10	(4) 15
	12 x 36	(4) 9	(4) 15	(4) 18
	12 x 40	(4) 10	(4) 15	(4) 20
	14 x 48	(4) 16	**	**
	14 x 52	(4) 16	**	**
	15 x 9	(2) 6	(2) 8	(2) 12
	17 x 9	(2) 7	(2) 10	(2) 15
	17 x 11	(2) 8	(2) 12	(2) 15
	17 x 12	(4) 4	(4) 7	(4) 9
	17 x 14	(4) 5	(4) 7	(4) 10
	20 x 12	(4) 5	(4) 8	(4) 10
	20 x 18	(4) 7	(4) 12	(4) 15
	24 x 18	(4) 9	(4) 15	(4) 18
	24 x 20	(4) 10	(4) 15	(4) 20
	28 x 24	(4) 16	**	**
	28 x 26	(4) 16	**	**



Note: Heater control packages that include contactor, transformer or disconnects are also available; speak to your local EVAPCO representative to learn more about these options.

**AT/UAT Heater Sizes \***

	Box Size	-18°C kW	-28°C kW	-40°C kW
3-CELL	9 x 36	(6) 4	(6) 7	(6) 9
	9 x 42	(6) 5	(6) 7	(6) 10
	10 x 36	(6) 5	(6) 8	(6) 10
	12 x 36	(6) 6	(6) 9	(6) 12
	12 x 42	(6) 7	(6) 10	(6) 15
	12 x 54	(6) 9	(6) 15	(6) 18
	12 x 60	(6) 10	(6) 15	(9) 15
	14 x 72	(6) 16	**	**
	14 x 78	(6) 16	**	**
	42 x 26	(6) 16	**	**
4-CELL	24 x 24	(4) 12	(4) 18	(6) 15
	24 x 28	(4) 15	(4) 20	(6) 18
	24 x 36	(4) 18	(6) 18	(8) 18
	24 x 40	(4) 20	(6) 20	(8) 20
	28 x 48	(8) 16	**	**
	28 x 52	(8) 16	**	**
	56 x 26	(8) 16	**	**

\* Electric heater selection based on ambient air temperature shown.

\*\* Consult factory



# Optional Equipment



## Electronic Water Level Control (EWLC)

Designed by and manufactured exclusively for EVAPCO, the electronic water level control system provides precision control for the basin water level and eliminates the need for field adjustment, even under varying operating conditions. The system uses heavy-duty stainless steel electrodes, which are mounted outside the unit in a vertical stand pipe that acts as a stilling chamber. (For winter operation, the stand pipe must be wrapped with electric heating cable and insulated to protect it from freezing.) Three-probe and five-probe packages are available. The five-probe package provides high- and low-level alarms. The weather-protected, slow-closing solenoid valve for the makeup water connection is factory-supplied and ready for piping to a water supply with a pressure between 50 and 1600 kPa.



**Flanged Connections**

## Even More Options

Ask your EVAPCO representative about:

- Fill Access Door
- Vibration switches
- Sump sweeper piping
- FM approval
- Bottom inlet and bottom suction connections
- Remote sump connections (see page 85 for more information)
- Materials for higher temperature applications
- WIDE-PAK for dirty water applications where TSS is less than 100 PPM
- VERTICLEAN for dirty water applications where TSS is between 75 and 500 PPM



**Bypass Connections with  
Diffuser Hood**



**Fill Access Door**

# Optional Equipment: **Water Treatment Systems**

EVAPCO has dramatically changed the water treatment game with the introduction of *Pulse~Pure® PLUS* and *Smart Shield®*. Available as a complete water treatment system for open evaporative cooling applications. Water treatment has never been easier or more dependable.

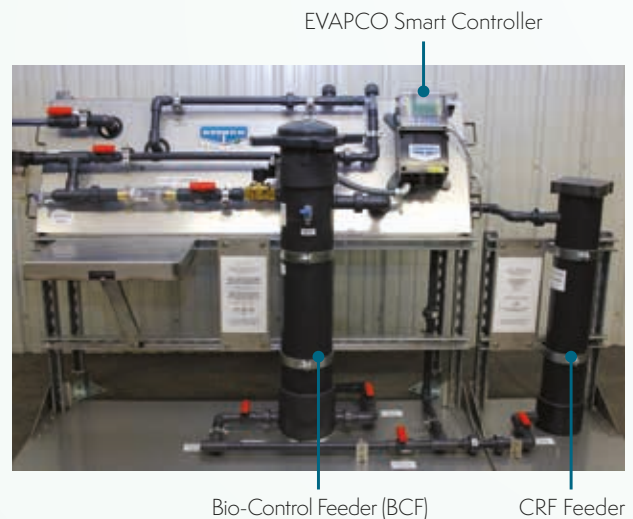
## **Smart Shield® Solid Chemical Water Treatment System**

Proven solid chemistry. A revolutionary feed system. Together, these make *Smart Shield®*, the easiest and safest chemical water treatment system available today, featuring:

- A solid chemistry design that eliminates liquid chemical hazards — including spills — and the need for expensive feed pumps
- Reduced packaging, shipping and handling for lower costs and a lower carbon footprint than liquid chemicals

*Smart Shield®* is available in two unique systems to protect a broad range of evaporative cooling water applications:

- Controlled Release System (right picture) uses scale and corrosion inhibitors utilizing polymer coated no-touch chemical replenishments for easier, safer reloads
- Monitored Release System (picture below) is applicable for larger systems or those with higher inhibitor demand. Monitored release scale and corrosion inhibitors utilize uncoated tablets and a direct detect probe for precise control of active ingredients



**Controlled Release System**



**Monitored Release System**

MRF Feeder



Learn more about  
*Smart Shield®*  
at [evapco.eu](http://evapco.eu)

# Optional Equipment: Water Treatment Systems

## Warranty & Service Included

Each EVAPCO water treatment system is warranted by EVAPCO and comes standard with a one-year performance monitoring and service program provided by one of EVAPCO's factory trained water partners.



## Pulse~Pure® PLUS Hybrid\* Water Treatment System

Pulse~Pure® PLUS from EVAPCO uses pulsed electric field technology to treat your water. It's the environmentally responsible solution that also packs a powerful water-treating punch:

- Emits short, high frequency bursts of low energy electromagnetic fields to recirculating water
- Forms seed crystals to attract and destroy scale-causing precipitants and bacteria
- Delivers a guaranteed maximum bacterial count of 10,000 CFU\*\*/ml in the cooling water—well below most chemical water treatment solutions
- Operates in an alkaline environment, allowing calcium carbonate to act as a natural cathodic corrosion inhibitor, and yielding corrosion rates equivalent to most chemical alternatives
- Operates at higher cycles of concentration to save water
- Compact design eliminates moving parts and ensures low energy consumption



Learn more about Pulse~Pure® PLUS  
at [evapco.eu](http://evapco.eu)

## Water Treatment Comparison

Parameter	Conventional Technology	Smart Shield®	Pulse~Pure® PLUS
Type of Water Treatment	Liquid Chemicals	Solid Chemistry	Pulsed Electric Field
Chemical Storage	1	3	5
Total Cost of Ownership			
- Capital Investment	5	3	4
- Minimize Maintenance	1	3	5
- Low Chemical Costs	3	3	5
- Reduced Water Usage	1	3	4
Safety Level	1	3	5
Lower Environmental Impact	1	3	5
Reduced Risk Potential	1	3	5

1 Poor      3 Good      5 Excellent

\* Additional biocide dosage is available depending on the local biocide regulation & Legionella legislation.

\*\* Colony Forming Units



## Optional Equipment: Low Sound Solutions

### Super Low Sound Fan – 9-15 dB(A) Reduction

When you're tasked with achieving the lowest sound levels possible, there's only one choice: the EVAPCO super low sound fan, the quietest, most noise efficient fan in the industry!

*Note: Not available on 1,2 m wide models.*

#### Reduced Sound Levels

Made of heavy-duty reinforced polyester, the fan's ultra-wide chord blades have a forward swept design and rounded edges to minimize the sound caused by flow separation and vortex shedding. The end result is a sound pressure level that's 9 to 15 dB(A) lower—more than 50% lower—than standard fans (depending on specific unit selection and measurement location). Best of all, the super low sound fan has zero impact on thermal performance.

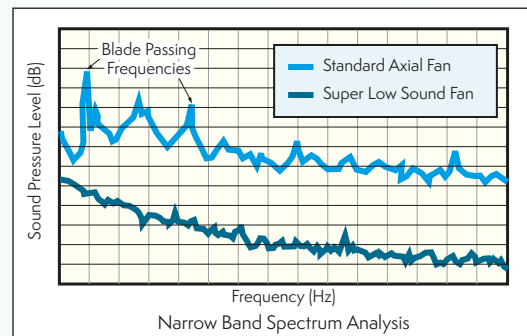
#### Improved Sound Quality

The super low sound fan eliminates audible blade passing frequencies typical of straight-bladed axial type fans. The narrow band spectrum graph below shows how straight-bladed axial fans produce blade-passing frequencies—the same phenomena that produce a helicopter's signature pulsating noise. The blade-passing frequencies are audible spikes in sound pressure levels, but are not apparent in the octave band sound spectrum.

#### More Options for Even Greater Sound Control

The Super Low Sound Fan can be used in combination with EVAPCO's water silencers and offset sound attenuation walls to produce the lowest sound levels commercially available.

Consult EVAPCO's *evapSelect*® selection software for unit sound levels (see page 24). If a detailed analysis or full octave band datasheet is required for your application, please consult your EVAPCO sales representative.



\*



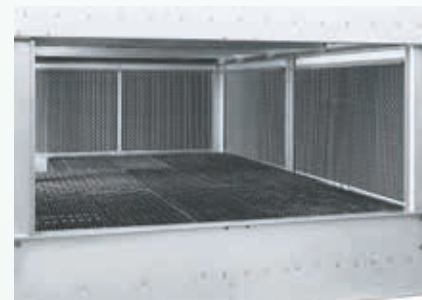
#### CTI Certified-Standard 201

- Independently certified for guaranteed performance
- No costly field performance tests required

### Water Silencer – Reduces Water Noise up to 7 dB(A)

Located in the cold water basin, EVAPCO's water silencer reduces the high frequency noise associated with falling water and is capable of lowering overall sound levels 4 to 7 dB(A) when measured at 1,5 m from the side or end of the unit. When water is circulated with fans off, the results are even greater: as much as 9 to 12 dB(A) lower at the same measured distance (depending on water loading and louver height). Constructed of lightweight PVC sections, the silencer can be easily removed for access to the basin area. It will have no impact on thermal performance and is CTI certified.

*Note: Not available on 1,2 m wide models.*



### Offset Sound Attenuation Walls

Add EVAPCO's CTI-certified offset sound attenuation walls to your super low sound fan and water silencer options for the ultimate sound control. Constructed of Z-725 galvanized steel and lined inside with acoustical padding, the walls will typically reduce the 15 m free-field sound level by an additional 3 dB(A). Stainless steel construction also available. Requires external support by others.

*Note: Available only in combination with super low sound fan and water silencer.*



## Optional Equipment: Low Sound Solutions

### Low Sound Fan – 4-7 dB(A) Reduction

Ideal for sound-sensitive applications, EVAPCO's low sound fan features a wide chord blade and a unique soft-connect blade-to-hub design that is compatible with variable speed drives. Since the blades are not rigidly connected to the fan hub, no vertical vibration forces are transmitted to the unit structure. This reduces sound pressure levels by 4 to 7 dB(A), depending on specific unit selection and measurement location.

The fan is a high efficiency axial propeller and is CTI certified on Advanced Technology series cooling towers. It has a thermal performance derate of up to 3.5%. Consult your EVAPCO representative for actual thermal performance.



### Additional Height & Operating Weight Additions

	Box Size	Height Addition for Low Sound Fan (mm)	Operating Weight Addition for Low Sound Fan (kg)
1-CELL	4 x 4	0	0
	4 x 6	0	0
	4 x 9	0	0
	4 x 12	0	0
	8.5 x 6	102	0
	8.5 x 8	102	0
	8.5 x 9	102	0
	8.5 x 11	102	0
	8.5 x 12	102	0
	8.5 x 14	102	0
	10 x 12	0	0
	10 x 18	0	0
	12 x 12	0	0
	12 x 14	0	0
	12 x 18	178	102
	12 x 20	178	102
2-CELL	14 x 24	127	204
	14 x 26	178	204
	6 x 17	102	0
	8 x 17	102	0
	8.5 x 18	102	0
	8.5 x 21	102	0
	8.5 x 24	102	0
	8.5 x 28	102	0
	10 x 24	0	0
	10 x 36	0	0
	12 x 9	102	0
	12 x 24	0	0
	12 x 28	0	0
	12 x 36	178	204
	12 x 40	178	204
	14 x 48	127	408
	14 x 52	178	408

	Box Size	Height Addition for Low Sound Fan (mm)	Operating Weight Addition for Low Sound Fan (kg)
2-CELL	15 x 9	102	0
	17 x 9	102	0
	17 x 11	102	0
	17 x 12	102	0
	17 x 14	102	0
	20 x 12	0	0
	20 x 18	0	0
	24 x 18	178	204
	24 x 20	178	204
	28 x 24	127	408
3-CELL	28 x 26	178	408
	9 x 36	102	0
	9 x 42	102	0
	10 x 36	0	0
	12 x 36	0	0
	12 x 42	0	0
	12 x 54	178	306
	12 x 60	178	306
	14 x 72	127	612
	14 x 78	178	612
4-CELL	42 x 26	178	612
	24 x 24	0	0
	24 x 28	0	0
	24 x 36	178	408
	24 x 40	178	408
	28 x 48	127	816
	28 x 52	178	816
	56 x 26	178	816

# Additional Resources: Understanding & Specifying Sound

## Sound

Sound is the alteration in pressure, stress, particle displacement and particle velocity, which is propagated in an elastic material. Audible sound is the sensation produced at the ear by very small pressure fluctuations in the air.

## Sound Pressure

Sound pressure is the intensity of sound. Sound pressure ( $L_p$ ) in decibels is the ratio of measured pressure ( $P$ ) in the air to a reference sound pressure,  $P_0 = 2 \times 10^{-5}$  Pascal based on the following formula:

$$L_p \text{ (dB)} = 10 \log_{10} (\Delta P^2 / \Delta P_0^2)$$

**Sound pressure level is what is actually being measured when sound data is recorded.** Microphones that measure sound are pressure-sensitive devices that are calibrated to convert the sound pressure waves into decibels. Similar to the intensity coming from a light bulb which gets dimmer as one gets further and further away, sound pressure decreases in decibels as your ear gets further from the sound source.

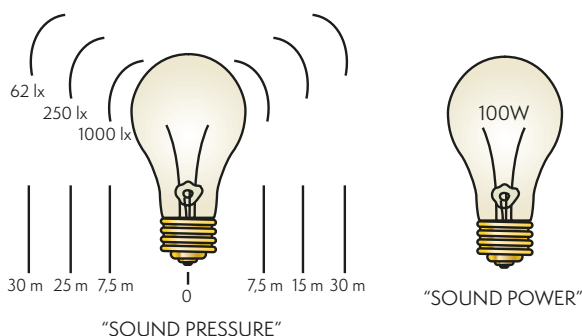
## Sound Power

Sound power is the energy of sound. Sound power ( $L_w$ ) in decibels is the ratio of the calculated sound power, ( $W$ ) to a reference power,  $W_0 = 1$  picowatt, according to the following formula:

$$L_w \text{ (dB)} = 10 \log_{10} (W / W_0)$$

**Sound power level is not a measured value, but is calculated based on the measured sound pressure.**

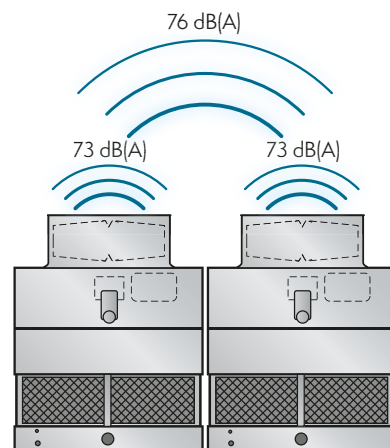
Similar to the wattage of a light bulb that does not change the farther one is away from the light bulb, sound power does not vary with distance.



## Adding Multiple Sound Sources

Since the decibel is a logarithmic function, the numbers are not added linearly. Therefore, two 73 dB sound sources added together do not equal 146 dB. The resultant sound would actually be 76 dB. The following table shows how to add decibels from two sound sources.

Difference in dB Level	Add to the higher dB Level
0 to 1	3
2 to 3	2
4 to 8	1
9 or greater	0



## Sound Pressure – The A-Weighted Scale

The A-weighted scale, dB(A) is a means to translate what a sound microphone measures to how the human ear perceives the sound. Use the following formula and conversions:

$$f = 8000$$

$$dB(A) = 10 \log_{10} \sum 10^{((dB + C_f) / 10)}$$

$$f = 63$$

where:  $C_f$  = correction factor per band      let:  $Z_f = (dB + C_f) / 10$   
dB = measured sound pressure

Band	Center Frequency (Hz)	Frequency Range (Hz)	Sample (dB)	$C_f$ (dB)	$Z_f$
1	63	44-88	68	-26.2	4.18
2	125	89-175	76	-16.1	5.99
3	250	176-350	77	-8.6	6.84
4	500	351-700	73	-3.2	6.98
5	1000	701-1400	70	0	7.00
6	2000	1401-2800	68	+1.2	6.92
7	4000	2801-5600	71	+1.0	7.20
8	8000	5601-11200	73	-1.1	7.19

**Example calculation of the dB(A) formula using the sample data.**

$$dB(A) = 10 \log_{10} \sum 10^{(Z_f)} = 10 \log_{10} (67114245.2) = 78.3 \text{ dB(A)}$$



## Specifying Sound

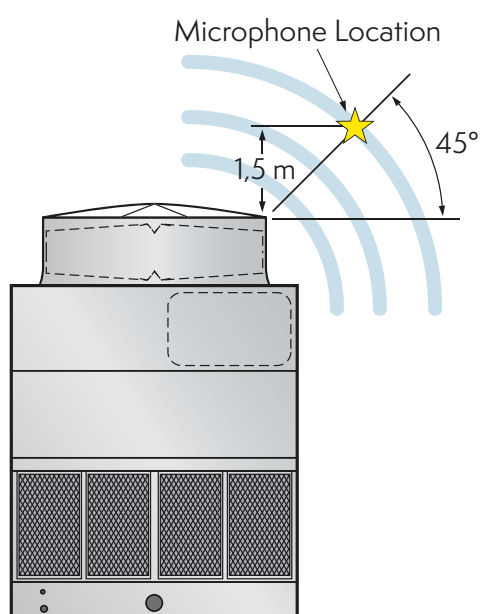
Specify sound pressure in dB(A) measured 1,5 m above the fan discharge during full speed operation.

- All manufacturers can meet a performance specification with low sound options
- Fan noise is what matters. 1,5 m above the fan is where it matters.

## Measurement Location

### Per Cooling Technology Institute Standard ATC-128

A sound microphone should be located 1,5 m above the cooling tower fan cowl edge at a 45° angle. This position assures accurate sound measurements and eliminates a source of uncertainty by taking the microphone out of the high velocity fan discharge air.

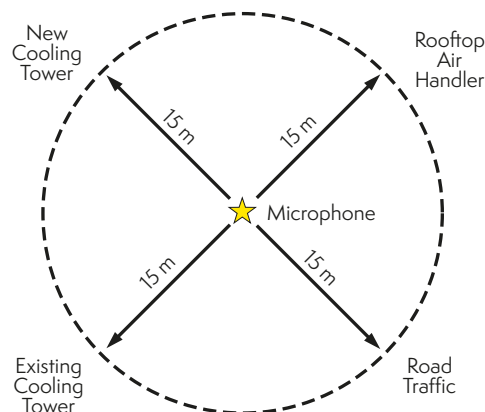


## Typical Sound Pressure Levels of Well Known Noises:

Jet Airplane, 45 m away	140 dB(A)
Circular Saw	110 dB(A)
Nightclub	100 dB(A)
Semi Truck	90 dB(A)
Sidewalk of a Busy Road	80 dB(A)
Household Vacuum, 1 m away	70 dB(A)
Normal Conversation	60 dB(A)
Quiet Library	40 dB(A)

### Notable Facts about Sound:

- +/- 1 dB(A) is inaudible to the human ear
- Decreasing a noise source by 10 dB(A) sounds half as loud to the human ear



## Easy Verification

At 1,5 m from the cooling tower, a sound meter records only cooling tower noise. You can easily verify the actual noise coming from the cooling tower against the specified sound data with good certainty.

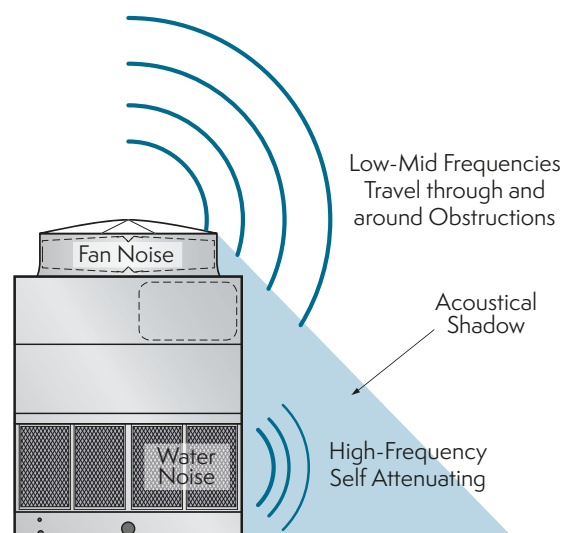
If sound were specified at 15 m or some greater distance from the sound-sensitive location, there is increased uncertainty in the measured data due to other possible sound sources within the 15 m radius of the sound microphone.

## Sound Quality

Sound coming from the top of the cooling tower is comprised of low- and mid-frequency fan noise. Low- and mid-frequency fan "rumble" is very difficult to attenuate. Fan rumble travels through everything and around everything and is what is audible at any sound-sensitive location.

Sound coming from the sides of the cooling tower is comprised of high-frequency water noise, is much less objectionable than fan noise, and attenuates naturally with distance.

Sound measured at the side of a cooling tower is inside the acoustical shadow of the noise emitted from the top. Outside the acoustical shadow, the low- and mid-frequency fan noise completely masks the high-frequency water noise.



# EVAPCO Technical Support Services

## EVAPCO Representatives

Your EVAPCO representative is the local expert you can count on to help you with all your commercial HVAC needs—from getting quotes to answering questions to helping you manage your projects and orders. Simply contact him or her whenever you need help; we'll get the job done. To find your local representative, visit [evapco.eu](http://evapco.eu) now.

## evapSelect®

evapSelect® is a computer selection program that makes it easy for you to find and optimize the right EVAPCO solutions for every project. Evaluate thermal performance, space, and energy requirements across units; analyze optional equipment features; and generate complete specifications and unit drawings—all within a friendly and familiar Windows format. Contact your EVAPCO representative to access evapSelect® now.

## evapco.eu

Bookmark [evapco.com](http://evapco.com) for the latest and most complete product information. The website contains a multitude of information and resources including:

- Product catalogs
- Rigging instructions
- Operation and maintenance instructions
- Videos

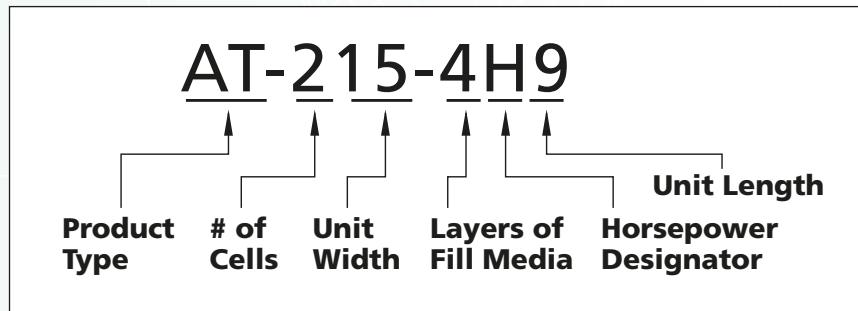


# Advanced Technology Series

# AT | UAT

## Engineering Data & Dimensions

### Nomenclature



#### Product Type

AT – Indicates an Advanced Technology (AT) tower

UAT - An AT tower with stainless steel construction, 304L, 316L or a combination.

#### # of Cells

Determined by the number of inlet connections, can be 1, 2, 3, or 4

#### Unit Width

The total width of the unit in meters, all cells included. The value is rounded up to the next whole number.

#### Layers of Fill Media

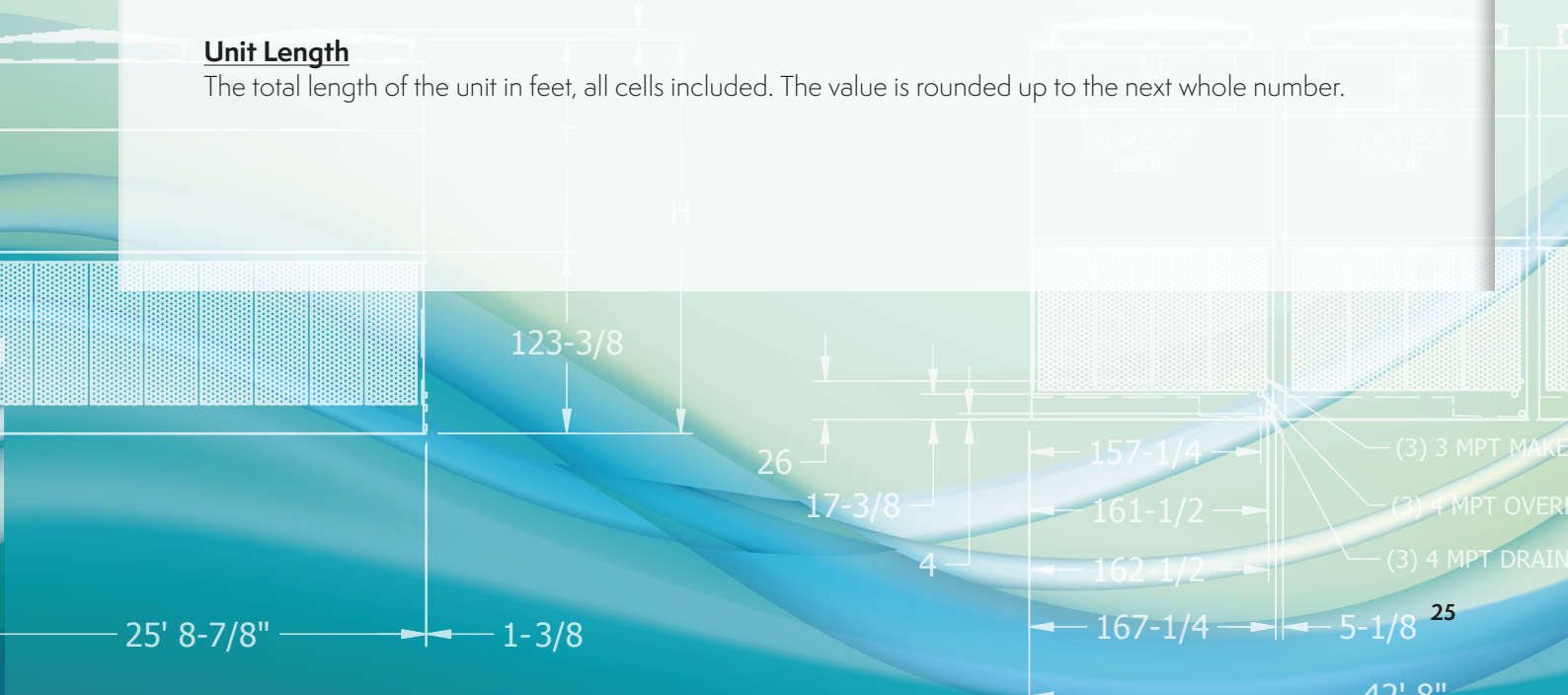
Determined by the number of 1 foot tall fill layers. Can be 2, 3, 4 or 5.

#### Horsepower Designator

Determined by the horsepower per fan motor. Available from E = 2 Hp to R = 100 Hp.

#### Unit Length

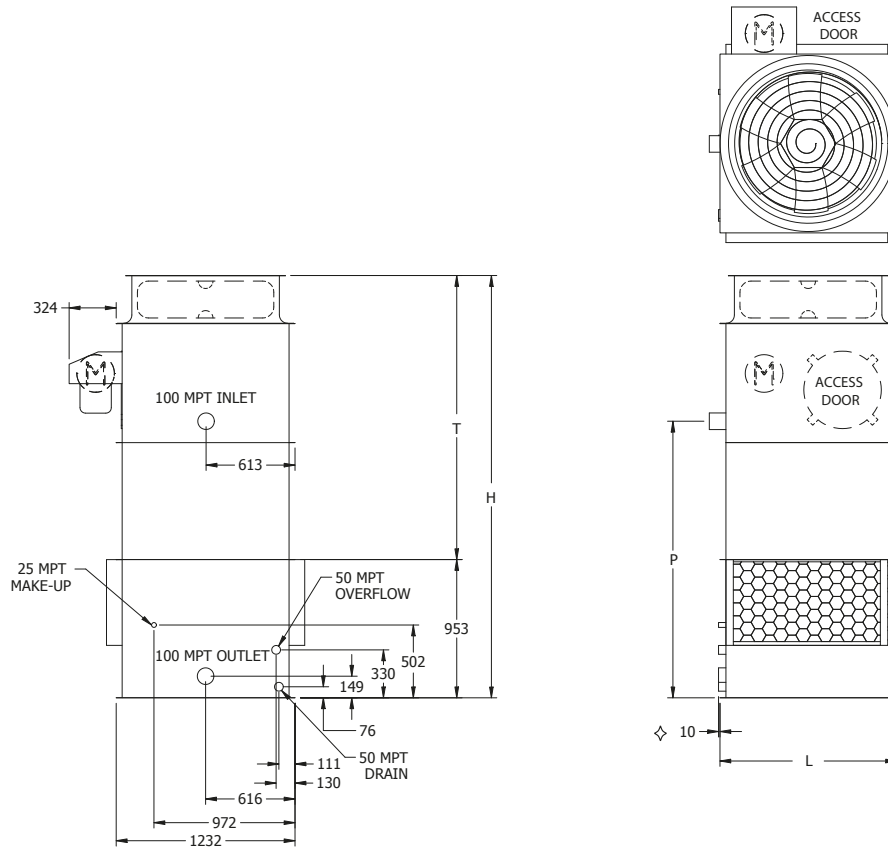
The total length of the unit in feet, all cells included. The value is rounded up to the next whole number.





# Models: AT 14-2E4 to 14-3G6

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)			
	Shipping	Operating	Heaviest Section†			H†	T†	P	L
AT 14-2E4	490	800	330	1,5	4,5	2.908	1.956	1.905	1.216
AT 14-3E4	525	835	365	1,5	4,5	3.213	2.261	2.210	1.216
AT 14-2F4	515	820	355	2,2	5,1	2.908	1.956	1.905	1.216
AT 14-3F4	550	855	390	2,2	5,0	3.213	2.261	2.210	1.216
AT 14-2F6	630	1.115	430	2,2	7,2	2.908	1.956	1.905	1.826
AT 14-3F6	675	1.160	475	2,2	7,1	3.213	2.261	2.210	1.826
AT 14-2G6	640	1.125	440	4	8,5	2.908	1.956	1.905	1.826
AT 14-3G6	685	1.170	485	4	8,4	3.213	2.261	2.210	1.826

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.

# Models: AT 14-2E9 to 14-3G12

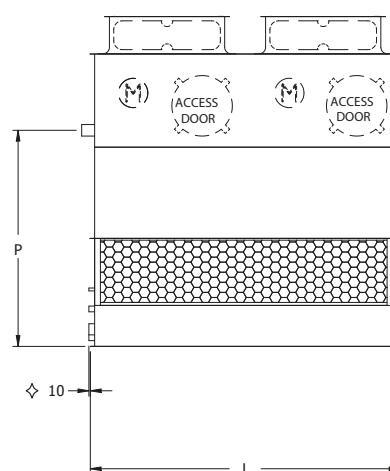
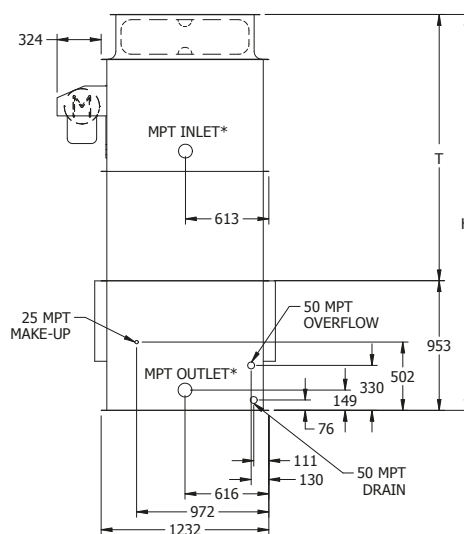
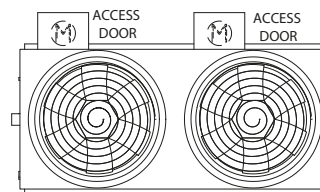
## One-Cell Cooling Towers

\*14-2E9 to 14-3F9

(1) 4" Inlet  
(1) 4" Outlet

\*14-2F12 to 14-3G12

(1) 6" Inlet  
(1) 6" Outlet



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)			
	Shipping	Operating	Heaviest Section†			H†	T†	P	L
AT 14-2E9	905	1.635	625	(2) 1.5	10,0	2.908	1.956	1.905	2.731
AT 14-3E9	980	1.705	700	(2) 1.5	9,8	3.213	2.261	2.210	2.731
AT 14-2F9	955	1.680	670	(2) 2.2	11,4	2.908	1.956	1.905	2.731
AT 14-3F9	1.025	1.750	745	(2) 2.2	11,1	3.213	2.261	2.210	2.731
AT 14-2F12	1.150	2.130	805	(2) 2.2	14,6	2.908	1.956	1.905	3.651
AT 14-3F12	1.240	2.225	895	(2) 2.2	14,3	3.213	2.261	2.210	3.651
AT 14-2G12	1.165	2.150	820	(2) 4	17,2	2.908	1.956	1.905	3.651
AT 14-3G12	1.255	2.240	910	(2) 4	16,8	3.213	2.261	2.210	3.651

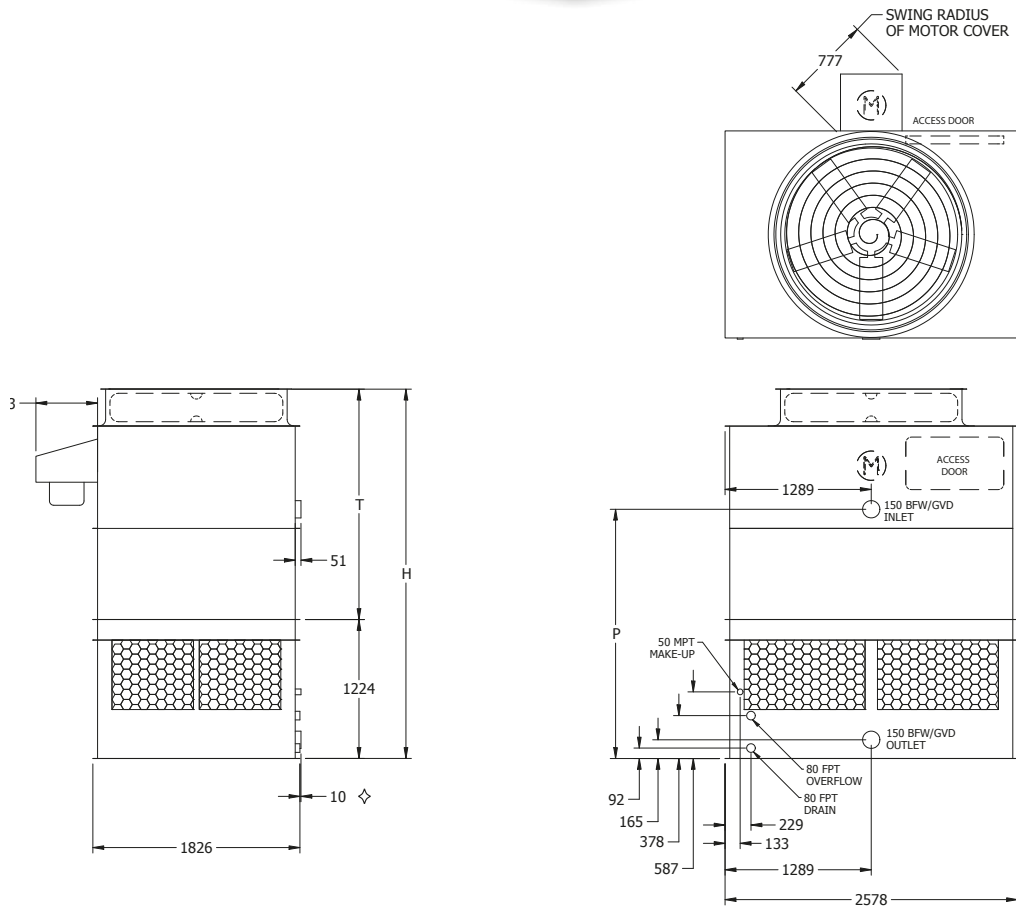
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.

# Models: AT/UAT 19-2F6 to 19-4J6

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 19-2F6	1.360	2.285	885	2,2	10,7	3.258	2.032	2.197
AT 19-2G6	1.390	2.315	910	4	12,5	3.258	2.032	2.197
AT 19-2H6	1.405	2.330	930	5,5	14,3	3.258	2.032	2.197
AT 19-3F6	1.450	2.375	975	2,2	10,5	3.562	2.337	2.502
AT 19-3G6	1.480	2.405	1.000	4	12,3	3.562	2.337	2.502
AT 19-3H6	1.495	2.420	1.020	5,5	14,0	3.562	2.337	2.502
AT 19-3I6	1.510	2.435	1.035	7,5	15,3	3.562	2.337	2.502
AT 19-4F6	1.550	2.475	1.075	2,2	10,3	3.867	2.642	2.807
AT 19-4G6	1.580	2.505	1.100	4	12,1	3.867	2.642	2.807
AT 19-4H6	1.595	2.520	1.120	5,5	13,8	3.867	2.642	2.807
AT 19-4I6	1.610	2.535	1.135	7,5	15,1	3.867	2.642	2.807
AT 19-4J6	1.640	2.565	1.165	11	17,2	3.867	2.642	2.807
SLSF Addition*	68	68	68			330	330	

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

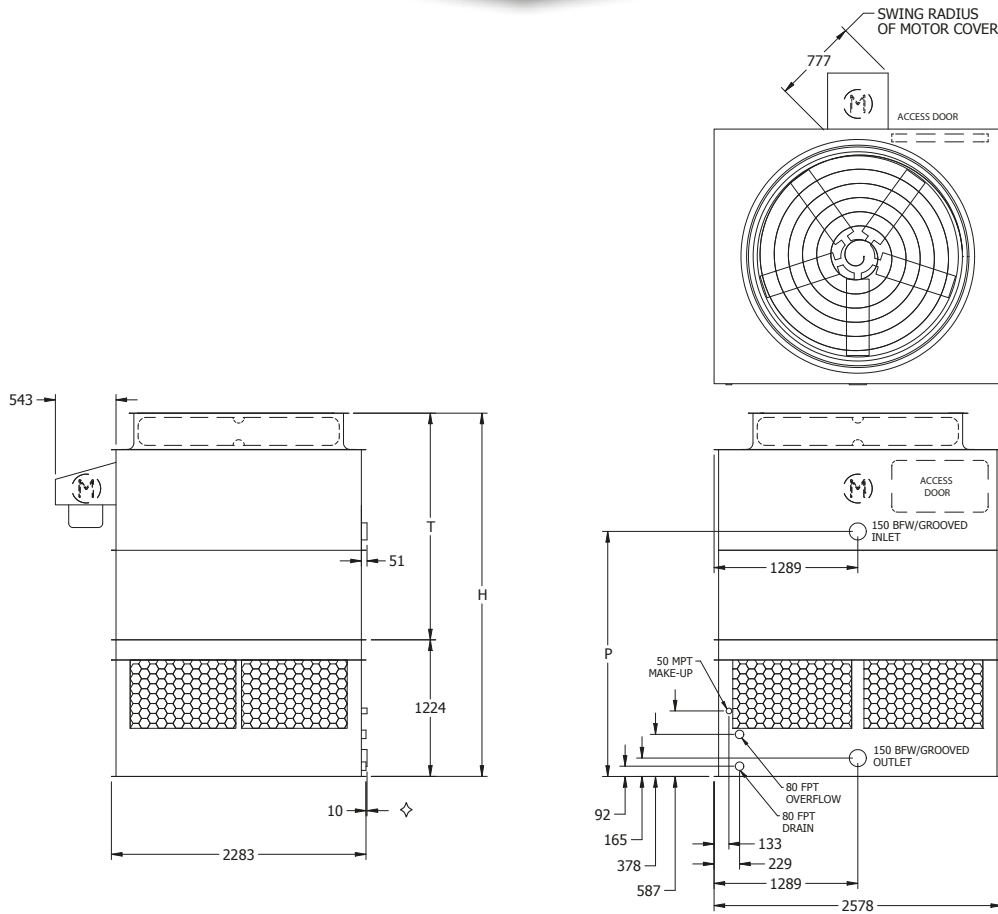
◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 19-2F8 to 19-4J8

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m <sup>3</sup> /s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 19-2F8	1.540	2.635	1.005	2,2	12,6	3.258	2.032	2.197
AT 19-2G8	1.565	2.665	1.035	4	14,8	3.258	2.032	2.197
AT 19-2H8	1.585	2.680	1.050	5,5	16,8	3.258	2.032	2.197
AT 19-2I8	1.595	2.695	1.065	7,5	18,5	3.258	2.032	2.197
AT 19-3F8	1.640	2.740	1.110	2,2	12,4	3.562	2.337	2.502
AT 19-3G8	1.670	2.765	1.140	4	14,5	3.562	2.337	2.502
AT 19-3H8	1.685	2.785	1.155	5,5	16,6	3.562	2.337	2.502
AT 19-3I8	1.700	2.800	1.170	7,5	18,1	3.562	2.337	2.502
AT 19-3J8	1.730	2.825	1.195	11	20,6	3.562	2.337	2.502
AT 19-4F8	1.765	2.860	1.235	2,2	12,2	3.867	2.642	2.807
AT 19-4G8	1.790	2.890	1.260	4	14,3	3.867	2.642	2.807
AT 19-4H8	1.810	2.910	1.280	5,5	16,3	3.867	2.642	2.807
AT 19-4I8	1.825	2.920	1.295	7,5	17,8	3.867	2.642	2.807
AT 19-4J8	1.850	2.950	1.320	11	20,3	3.867	2.642	2.807
SLSF Addition*	68	68	68			432	432	

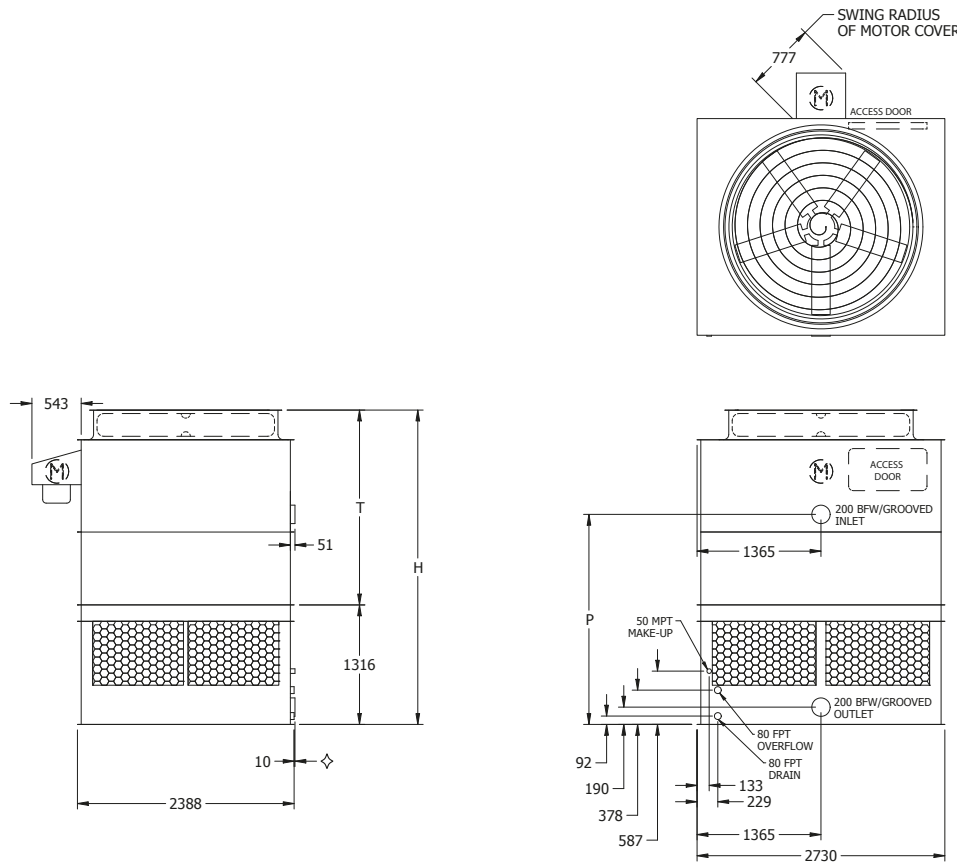
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 18-2G9 to 18-4K9

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 18-2G9	1.805	3.095	1.210	4	16,9	3.464	2.146	2.315
AT 18-2H9	1.825	3.110	1.230	5,5	19,3	3.464	2.146	2.315
AT 18-2I9	1.835	3.125	1.245	7,5	21,1	3.464	2.146	2.315
AT 18-2J9	1.870	3.155	1.275	11	24,0	3.464	2.146	2.315
AT 18-3G9	1.930	3.215	1.335	4	16,7	3.769	2.451	2.619
AT 18-3H9	1.945	3.235	1.350	5,5	18,9	3.769	2.451	2.619
AT 18-3I9	1.960	3.250	1.365	7,5	20,7	3.769	2.451	2.619
AT 18-3J9	1.990	3.280	1.395	11	23,5	3.769	2.451	2.619
AT 18-4G9	2.070	3.355	1.475	4	16,4	4.074	2.756	2.924
AT 18-4H9	2.085	3.375	1.490	5,5	18,6	4.074	2.756	2.924
AT 18-4I9	2.100	3.390	1.505	7,5	20,4	4.074	2.756	2.924
AT 18-4J9	2.130	3.420	1.540	11	23,1	4.074	2.756	2.924
AT 18-4K9	2.155	3.445	1.560	15	25,3	4.074	2.756	2.924
SLSF Addition*	68	68	68			533	533	

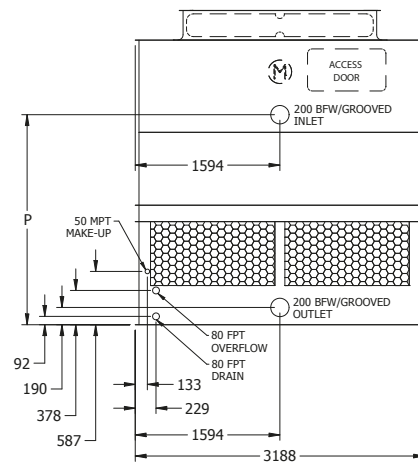
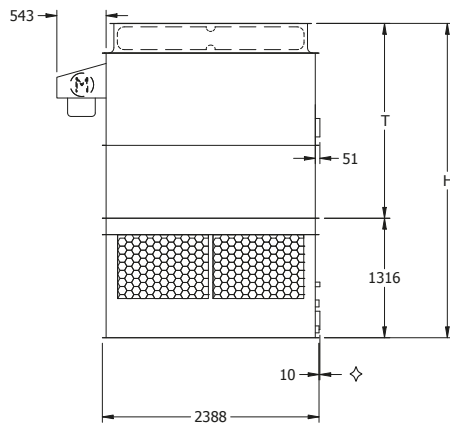
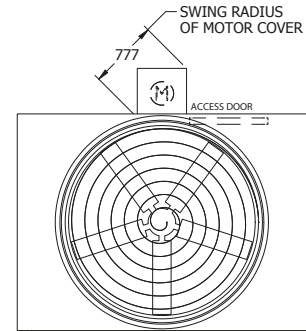
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 18-2H11 to 18-4K11

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 18-2H11	1.930	3.350	1.310	5,5	20,4	3.464	2.146	2.315
AT 18-2I11	1.945	3.360	1.325	7,5	22,4	3.464	2.146	2.315
AT 18-2J11	1.980	3.395	1.355	11	25,4	3.464	2.146	2.315
AT 18-2K11	2.000	3.415	1.380	15	27,8	3.464	2.146	2.315
AT 18-3H11	2.065	3.480	1.440	5,5	20,1	3.769	2.451	2.619
AT 18-3I11	2.075	3.495	1.455	7,5	21,9	3.769	2.451	2.619
AT 18-3J11	2.110	3.525	1.490	11	24,9	3.769	2.451	2.619
AT 18-3K11	2.130	3.545	1.510	15	27,3	3.769	2.451	2.619
AT 18-4H11	2.215	3.630	1.590	5,5	19,7	4.074	2.756	2.924
AT 18-4I11	2.225	3.640	1.605	7,5	21,6	4.074	2.756	2.924
AT 18-4J11	2.260	3.675	1.635	11	24,5	4.074	2.756	2.924
AT 18-4K11	2.280	3.695	1.660	15	26,9	4.074	2.756	2.924
SLSF Addition*	68	68	68			533	533	

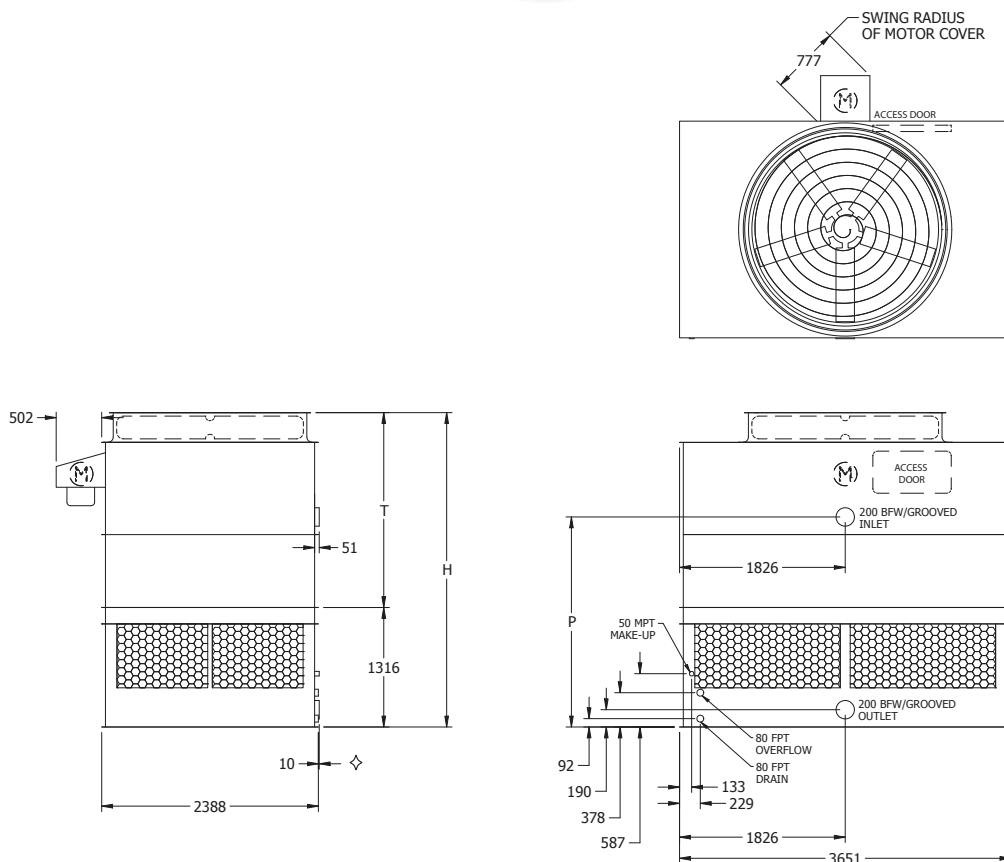
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 18-2H12 to 18-4L12

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 18-2H12	2.140	3.790	1.440	5,5	22,7	3.464	2.146	2.315
AT 18-2I12	2.155	3.805	1.455	7,5	24,9	3.464	2.146	2.315
AT 18-2J12	2.185	3.835	1.490	11	28,3	3.464	2.146	2.315
AT 18-2K12	2.210	3.860	1.510	15	31,0	3.464	2.146	2.315
AT 18-3H12	2.290	3.940	1.590	5,5	22,4	3.769	2.451	2.619
AT 18-3I12	2.305	3.955	1.605	7,5	24,5	3.769	2.451	2.619
AT 18-3J12	2.335	3.985	1.635	11	27,8	3.769	2.451	2.619
AT 18-3K12	2.360	4.010	1.660	15	30,4	3.769	2.451	2.619
AT 18-3L12	2.370	4.025	1.675	18,5	32,7	3.769	2.451	2.619
AT 18-4H12	2.455	4.105	1.755	5,5	21,9	4.074	2.756	2.924
AT 18-4I12	2.470	4.120	1.770	7,5	24,0	4.074	2.756	2.924
AT 18-4J12	2.500	4.150	1.800	11	27,3	4.074	2.756	2.924
AT 18-4K12	2.520	4.175	1.825	15	29,9	4.074	2.756	2.924
AT 18-4L12	2.535	4.185	1.835	18,5	32,1	4.074	2.756	2.924
SLSF Addition*	68	68	68			533	533	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

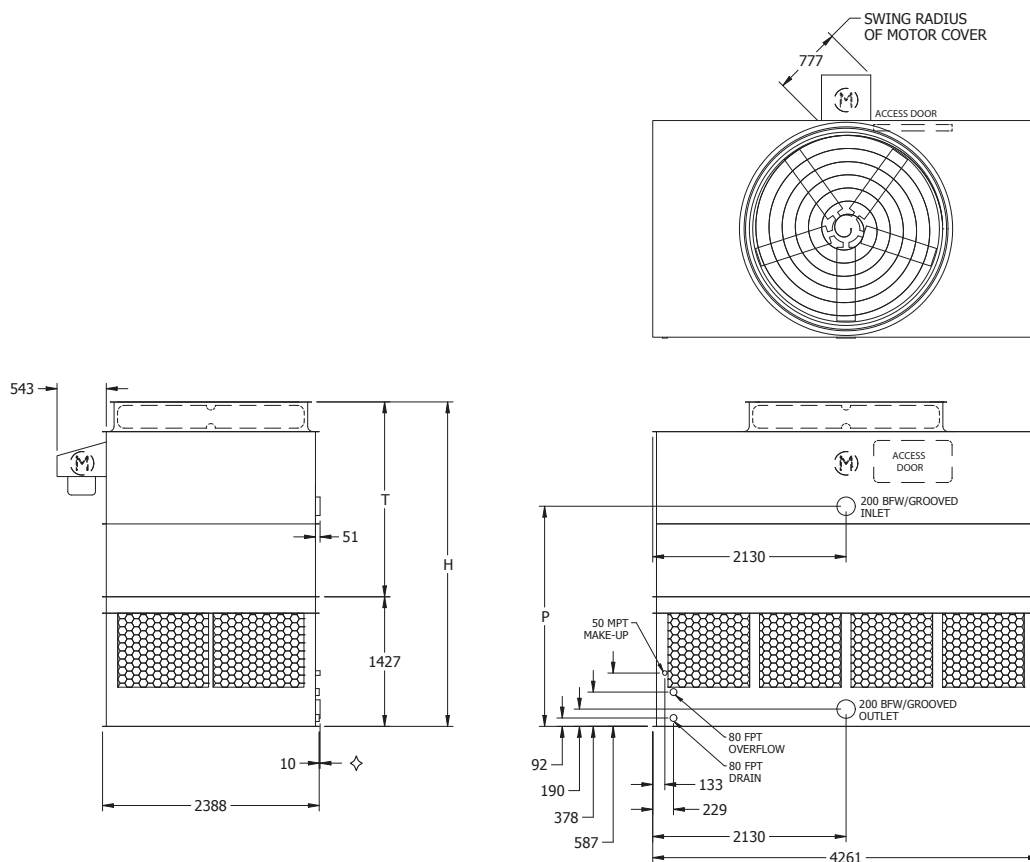
◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 18-2H14 to 18-4M14

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m <sup>3</sup> /s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 18-2H14	2.330	4.270	1.545	5,5	24,8	3.575	2.146	2.426
AT 18-2I14	2.345	4.280	1.560	7,5	27,2	3.575	2.146	2.426
AT 18-2J14	2.375	4.315	1.590	11	30,9	3.575	2.146	2.426
AT 18-2K14	2.400	4.335	1.615	15	33,8	3.575	2.146	2.426
AT 18-2L14	2.415	4.350	1.630	18,5	36,3	3.575	2.146	2.426
AT 18-3H14	2.505	4.440	1.720	5,5	24,4	3.880	2.451	2.731
AT 18-3I14	2.515	4.455	1.735	7,5	26,7	3.880	2.451	2.731
AT 18-3J14	2.550	4.485	1.765	11	30,4	3.880	2.451	2.731
AT 18-3K14	2.570	4.510	1.785	15	33,2	3.880	2.451	2.731
AT 18-3L14	2.585	4.520	1.800	18,5	35,6	3.880	2.451	2.731
AT 18-3M14	2.595	4.530	1.810	22	37,8	3.880	2.451	2.731
AT 18-4H14	2.690	4.625	1.905	5,5	24,0	4.185	2.756	3.035
AT 18-4I14	2.705	4.640	1.920	7,5	26,2	4.185	2.756	3.035
AT 18-4J14	2.735	4.670	1.950	11	29,9	4.185	2.756	3.035
AT 18-4K14	2.760	4.695	1.975	15	32,7	4.185	2.756	3.035
AT 18-4L14	2.770	4.710	1.985	18,5	35,0	4.185	2.756	3.035
AT 18-4M14	2.780	4.715	1.995	22	37,1	4.185	2.756	3.035
SLSF Addition*	68	68	68			533	533	

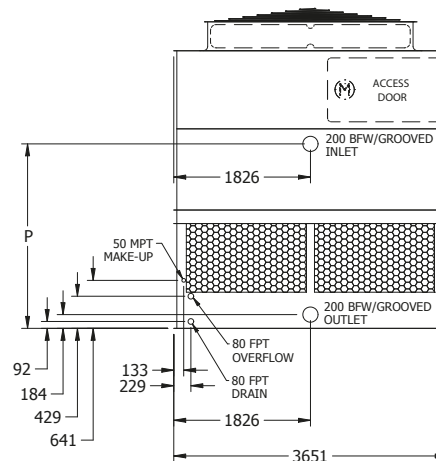
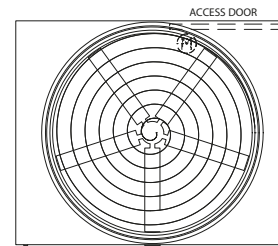
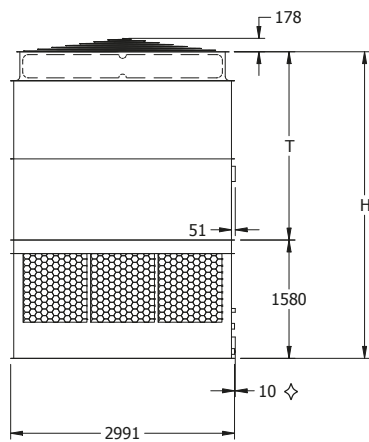
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 110-2I12 to 110-4N12

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 110-2I12	2.855	5.365	1.905	7,5	30,5	4.096	2.515	2.464
AT 110-2J12	2.885	5.400	1.935	11	34,7	4.096	2.515	2.464
AT 110-2K12	2.910	5.420	1.960	15	38,0	4.096	2.515	2.464
AT 110-2L12	2.930	5.445	1.980	18,5	40,8	4.096	2.515	2.464
AT 110-2M12	2.975	5.490	2.030	22	43,3	4.096	2.515	2.464
AT 110-3I12	3.070	5.585	2.125	7,5	30,1	4.401	2.819	2.769
AT 110-3J12	3.105	5.615	2.155	11	34,1	4.401	2.819	2.769
AT 110-3K12	3.125	5.640	2.175	15	37,3	4.401	2.819	2.769
AT 110-3L12	3.150	5.660	2.200	18,5	40,1	4.401	2.819	2.769
AT 110-3M12	3.195	5.705	2.245	22	42,4	4.401	2.819	2.769
AT 110-4I12	3.260	5.775	2.315	7,5	29,6	4.705	3.124	3.073
AT 110-4J12	3.295	5.805	2.345	11	33,6	4.705	3.124	3.073
AT 110-4K12	3.315	5.830	2.370	15	36,8	4.705	3.124	3.073
AT 110-4L12	3.340	5.850	2.390	18,5	39,5	4.705	3.124	3.073
AT 110-4M12	3.385	5.895	2.435	22	41,8	4.705	3.124	3.073
AT 110-4N12	3.495	6.010	2.550	26	43,8	4.705	3.124	3.073
SLSF Addition*	318	318	318			546	546	

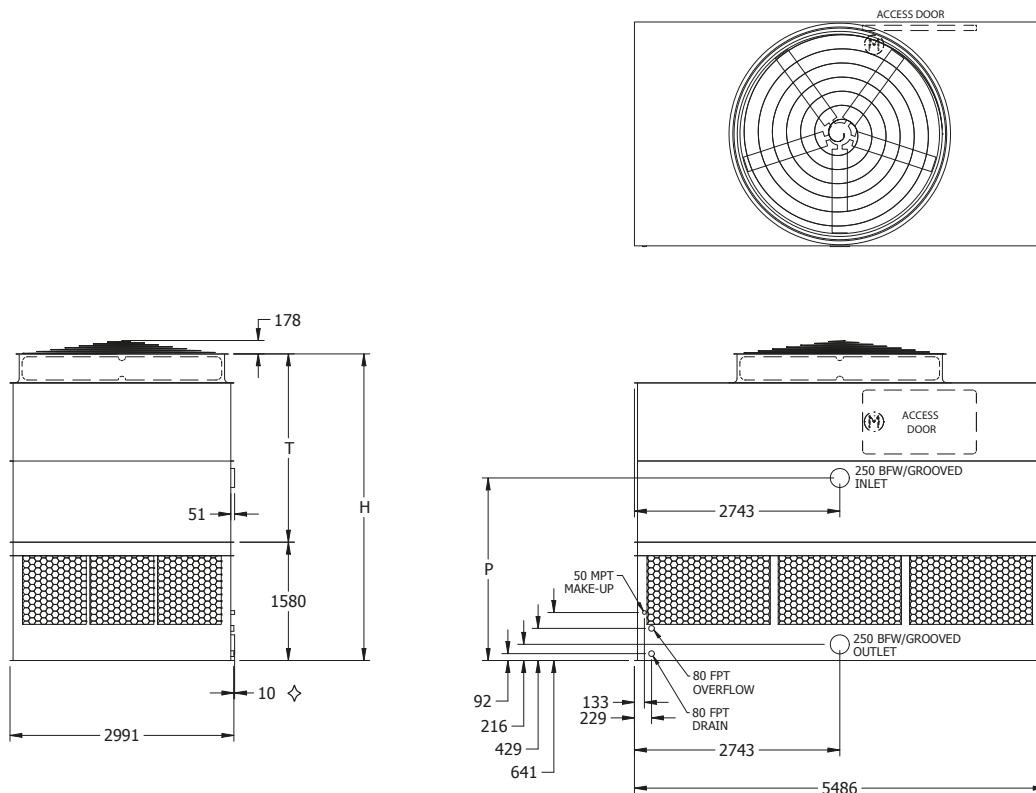
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 110-2I18 to 110-4N18

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section♦			H†	T†	P
AT 110-2I18	3.985	7.800	2.560	7,5	40,6	4.096	2.515	2.438
AT 110-2J18	4.020	7.835	2.590	11	46,2	4.096	2.515	2.438
AT 110-2K18	4.040	7.855	2.615	15	50,6	4.096	2.515	2.438
AT 110-2L18	4.065	7.880	2.635	18,5	54,3	4.096	2.515	2.438
AT 110-2M18	4.110	7.925	2.680	22	57,6	4.096	2.515	2.438
AT 110-3I18	4.300	8.115	2.870	7,5	40,0	4.401	2.819	2.743
AT 110-3J18	4.330	8.145	2.905	11	45,4	4.401	2.819	2.743
AT 110-3K18	4.355	8.170	2.925	15	49,8	4.401	2.819	2.743
AT 110-3L18	4.375	8.190	2.950	18,5	53,4	4.401	2.819	2.743
AT 110-3M18	4.425	8.235	2.995	22	56,5	4.401	2.819	2.743
AT 110-3N18	4.535	8.350	3.105	30	61,9	4.401	2.819	2.743
AT 110-4I18	4.585	8.400	3.155	7,5	39,3	4.705	3.124	3.048
AT 110-4J18	4.620	8.430	3.190	11	44,7	4.705	3.124	3.048
AT 110-4K18	4.640	8.455	3.210	15	49,0	4.705	3.124	3.048
AT 110-4L18	4.665	8.480	3.235	18,5	52,5	4.705	3.124	3.048
AT 110-4M18	4.710	8.525	3.280	22	55,6	4.705	3.124	3.048
AT 110-4N18	4.820	8.635	3.395	30	60,9	4.705	3.124	3.048
SLSF Addition*	318	318	318			546	546	

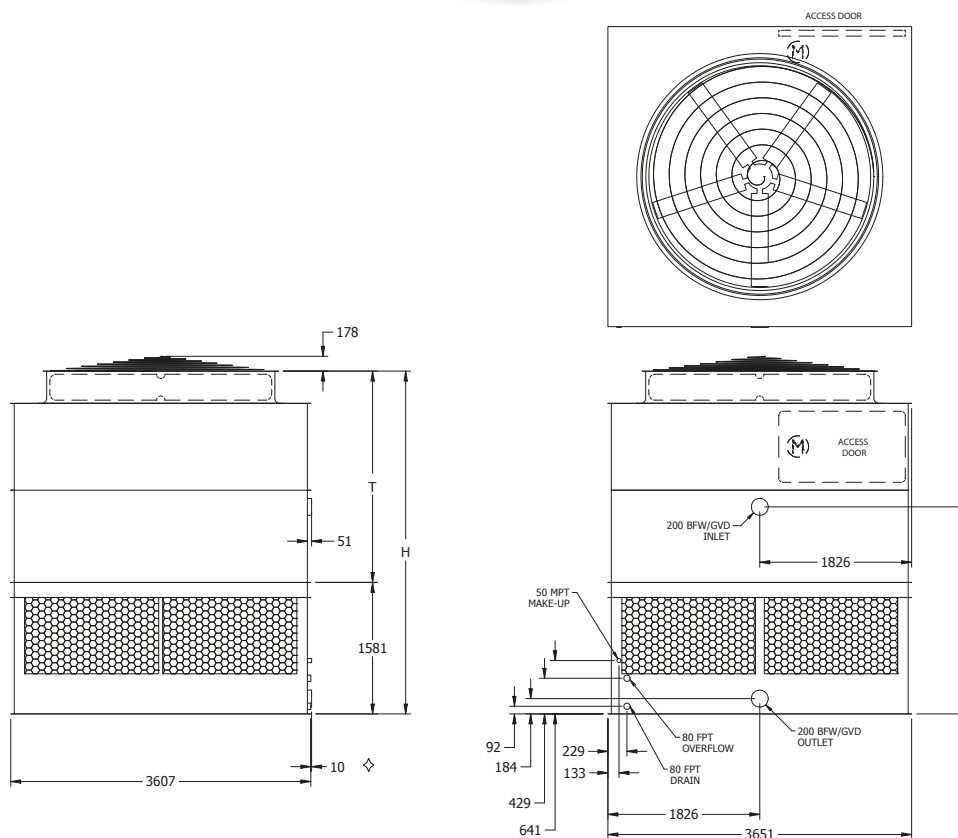
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

♦ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

♦ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 112-2I12 to 112-4N12

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 112-2I12	3.325	6.140	2.235	7,5	33,8	4.121	2.540	2.489
AT 112-2J12	3.355	6.175	2.270	11	38,4	4.121	2.540	2.489
AT 112-2K12	3.380	6.195	2.290	15	42,1	4.121	2.540	2.489
AT 112-2L12	3.400	6.220	2.315	18,5	45,2	4.121	2.540	2.489
AT 112-2M12	3.445	6.265	2.360	22	47,9	4.121	2.540	2.489
AT 112-3I12	3.570	6.385	2.480	7,5	33,3	4.426	2.845	2.794
AT 112-3J12	3.600	6.420	2.515	11	37,8	4.426	2.845	2.794
AT 112-3K12	3.625	6.440	2.535	15	41,3	4.426	2.845	2.794
AT 112-3L12	3.645	6.465	2.560	18,5	44,3	4.426	2.845	2.794
AT 112-3M12	3.690	6.510	2.605	22	47,0	4.426	2.845	2.794
AT 112-4I12	3.790	6.610	2.705	7,5	32,7	4.731	3.150	3.099
AT 112-4J12	3.825	6.640	2.735	11	37,2	4.731	3.150	3.099
AT 112-4K12	3.845	6.665	2.760	15	40,7	4.731	3.150	3.099
AT 112-4L12	3.870	6.685	2.780	18,5	43,6	4.731	3.150	3.099
AT 112-4M12	3.915	6.730	2.825	22	46,2	4.731	3.150	3.099
AT 112-4N12	4.030	6.845	2.940	30	50,5	4.731	3.150	3.099
SLSF Addition*	318	318	318			546	546	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

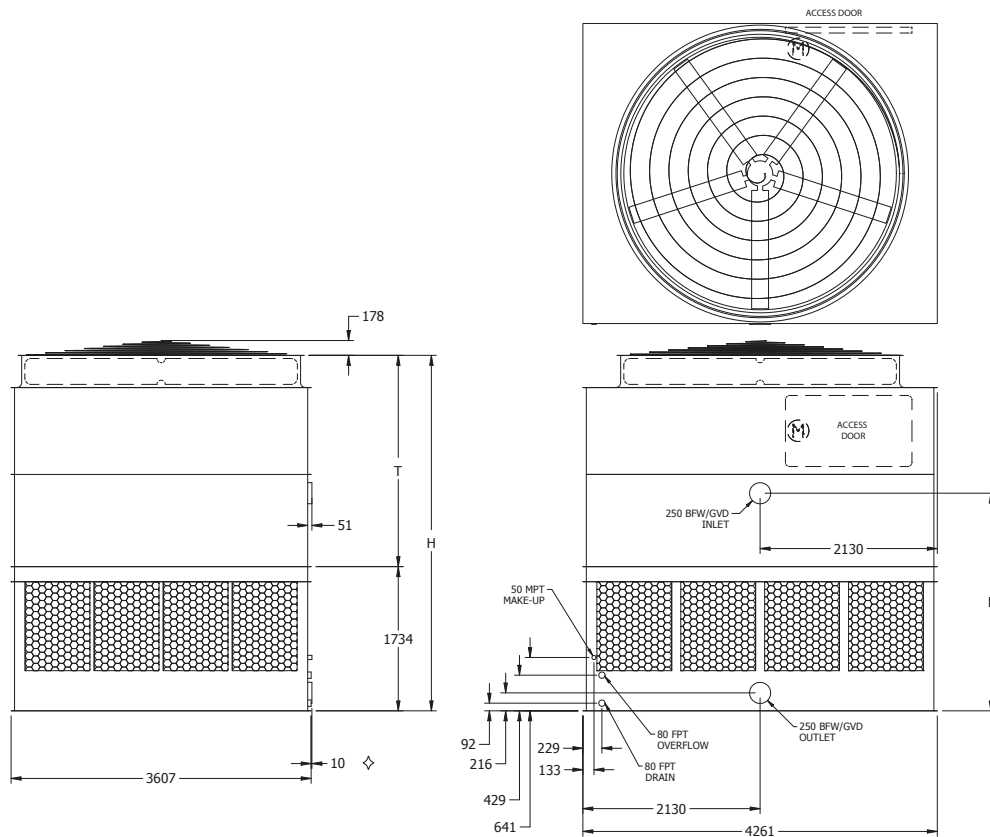
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 112-2I14 to 112-4N14

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 112-2I14	3.735	7.060	2.430	7,5	36,7	4.274	2.540	2.616
AT 112-2J14	3.765	7.090	2.465	11	41,8	4.274	2.540	2.616
AT 112-2K14	3.790	7.115	2.490	15	45,8	4.274	2.540	2.616
AT 112-2L14	3.820	7.145	2.515	18,5	49,1	4.274	2.540	2.616
AT 112-2M14	3.850	7.175	2.550	22	52,1	4.274	2.540	2.616
AT 112-3I14	4.030	7.355	2.730	7,5	36,2	4.578	2.845	2.921
AT 112-3J14	4.065	7.390	2.760	11	41,1	4.578	2.845	2.921
AT 112-3K14	4.090	7.415	2.790	15	45,0	4.578	2.845	2.921
AT 112-3L14	4.120	7.445	2.815	18,5	48,3	4.578	2.845	2.921
AT 112-3M14	4.150	7.475	2.850	22	51,1	4.578	2.845	2.921
AT 112-3N14	4.270	7.595	2.965	30	56,0	4.578	2.845	2.921
AT 112-4I14	4.270	7.595	2.965	7,5	35,5	4.883	3.150	3.226
AT 112-4J14	4.300	7.625	3.000	11	40,4	4.883	3.150	3.226
AT 112-4K14	4.325	7.650	3.025	15	44,3	4.883	3.150	3.226
AT 112-4L14	4.355	7.680	3.055	18,5	47,5	4.883	3.150	3.226
AT 112-4M14	4.385	7.710	3.085	22	50,3	4.883	3.150	3.226
AT 112-4N14	4.505	7.830	3.200	30	55,0	4.883	3.150	3.226
SLSF Addition*	318	318	318			546	546	

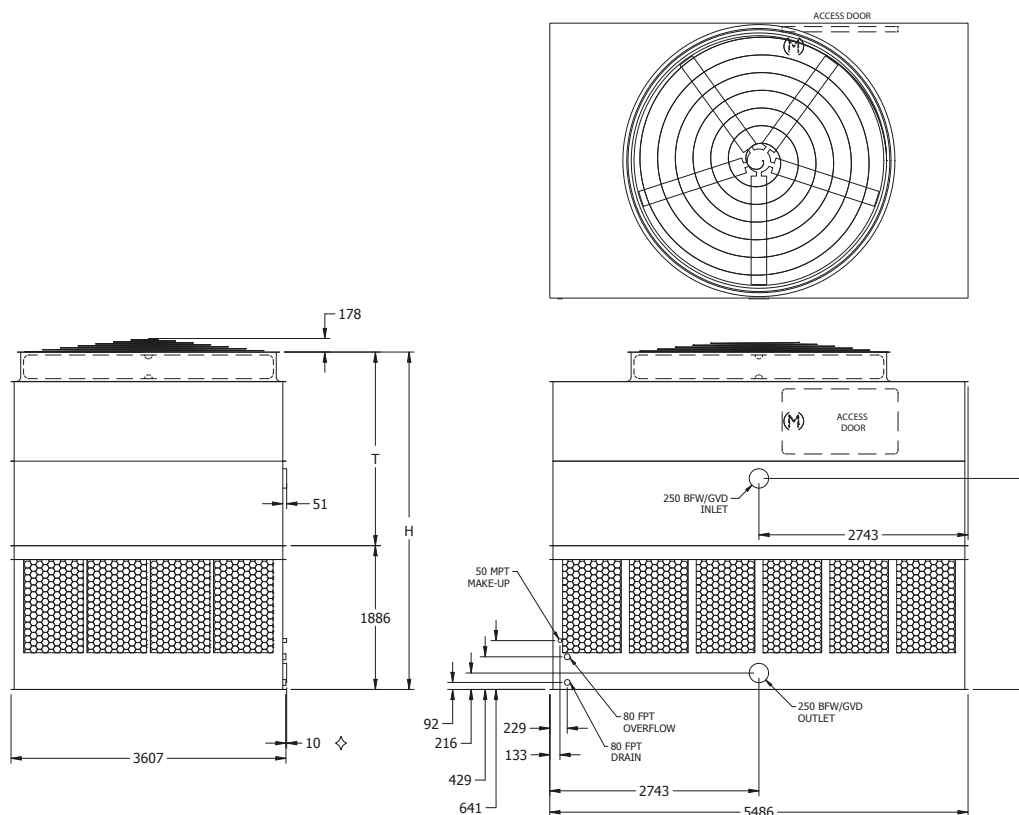
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 112-2J18 to 112-4P18

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 112-2J18	4.810	9.015	3.040	11	52,0	4.426	2.540	2.769
AT 112-2K18	4.835	9.040	3.065	15	56,9	4.426	2.540	2.769
AT 112-2L18	4.860	9.065	3.090	18,5	61,2	4.426	2.540	2.769
AT 112-2M18	4.910	9.115	3.140	22	64,8	4.426	2.540	2.769
AT 112-2N18	5.025	9.230	3.255	30	71,0	4.426	2.540	2.769
AT 112-3J18	5.160	9.365	3.395	11	51,2	4.731	2.845	3.073
AT 112-3K18	5.190	9.395	3.420	15	56,0	4.731	2.845	3.073
AT 112-3L18	5.210	9.415	3.445	18,5	60,1	4.731	2.845	3.073
AT 112-3M18	5.260	9.465	3.495	22	63,7	4.731	2.845	3.073
AT 112-3N18	5.380	9.585	3.610	30	69,7	4.731	2.845	3.073
AT 112-3O18	5.405	9.610	3.640	37	74,8	4.731	2.845	3.073
AT 112-4J18	5.500	9.700	3.730	11	50,4	5.036	3.150	3.378
AT 112-4K18	5.525	9.730	3.755	15	55,1	5.036	3.150	3.378
AT 112-4L18	5.545	9.750	3.780	18,5	59,2	5.036	3.150	3.378
AT 112-4M18	5.595	9.800	3.830	22	62,7	5.036	3.150	3.378
AT 112-4N18	5.715	9.920	3.945	30	68,5	5.036	3.150	3.378
AT 112-4O18	5.740	9.945	3.975	37	73,4	5.036	3.150	3.378
AT 112-4P18	5.790	9.995	4.025	45	77,8	5.036	3.150	3.378
SLSF Addition*	544	544	544			394	394	

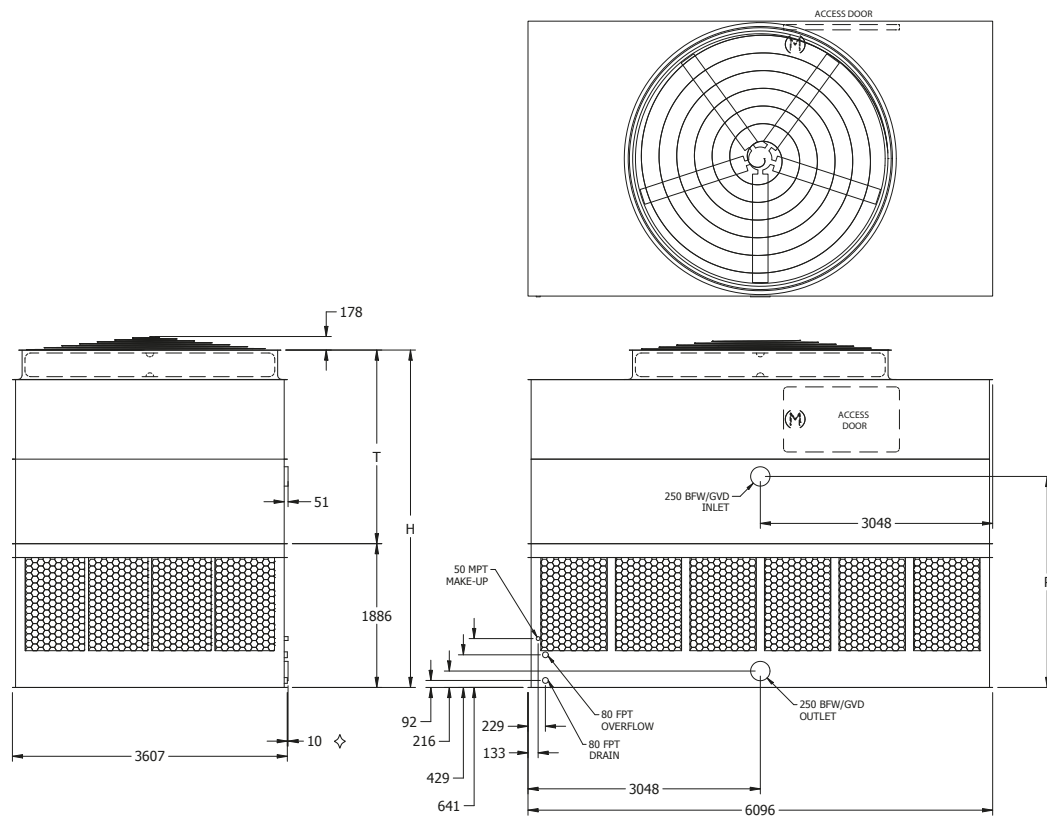
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 112-2K20 to 112-4P20

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 112-2K20	5.135	9.850	3.270	15	58,5	4.426	2.540	2.769
AT 112-2L20	5.155	9.875	3.295	18,5	62,8	4.426	2.540	2.769
AT 112-2M20	5.205	9.925	3.345	22	66,5	4.426	2.540	2.769
AT 112-2N20	5.325	10.045	3.460	30	72,7	4.426	2.540	2.769
AT 112-2O20	5.350	10.070	3.490	37	78,0	4.426	2.540	2.769
AT 112-3K20	5.465	10.185	3.600	15	57,5	4.731	2.845	3.073
AT 112-3L20	5.490	10.205	3.625	18,5	61,7	4.731	2.845	3.073
AT 112-3M20	5.540	10.255	3.675	22	65,3	4.731	2.845	3.073
AT 112-3N20	5.655	10.375	3.790	30	71,4	4.731	2.845	3.073
AT 112-3O20	5.685	10.400	3.820	37	76,5	4.731	2.845	3.073
AT 112-4K20	5.875	10.590	4.010	15	56,5	5.036	3.150	3.378
AT 112-4L20	5.895	10.615	4.030	18,5	60,6	5.036	3.150	3.378
AT 112-4M20	5.945	10.665	4.080	22	64,2	5.036	3.150	3.378
AT 112-4N20	6.065	10.780	4.200	30	70,2	5.036	3.150	3.378
AT 112-4O20	6.090	10.810	4.225	37	75,3	5.036	3.150	3.378
AT 112-4P20	6.140	10.860	4.275	45	79,8	5.036	3.150	3.378
SLSF Addition*	544	544	544			394	394	

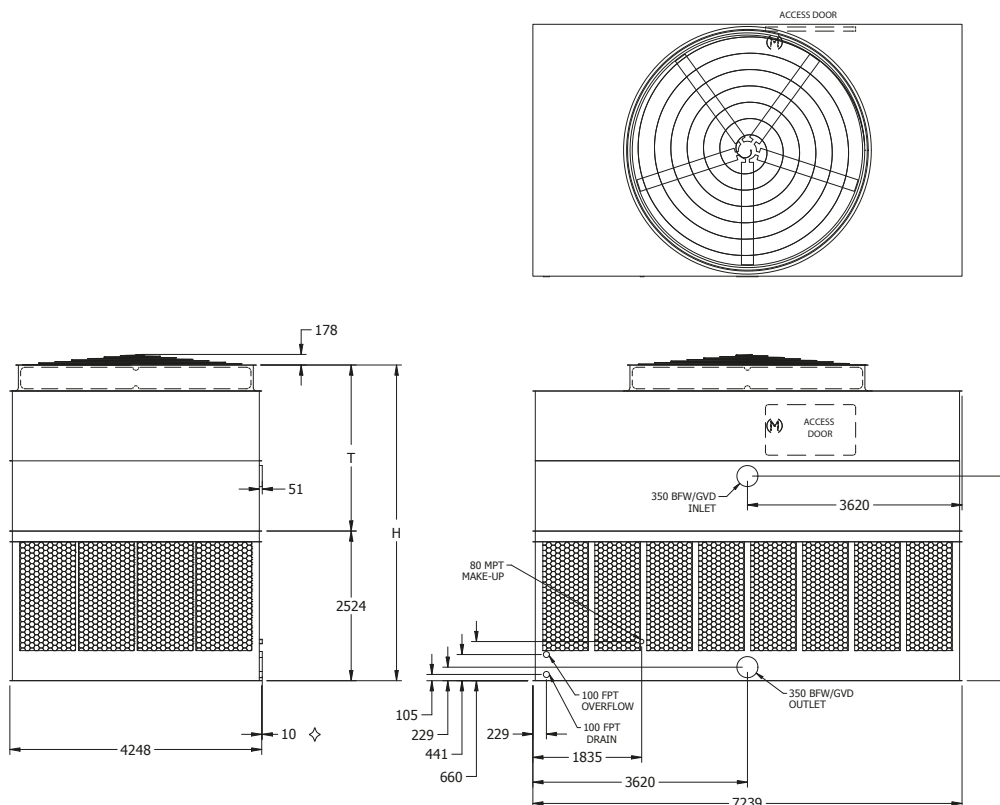
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 114-2K24 to 114-4R24\*

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 114-2K24	7.455	14.645	4.810	15	75,3	5.324	2.800	3.451
AT 114-2L24	7.480	14.670	4.830	18,5	80,8	5.324	2.800	3.451
AT 114-2M24	7.490	14.680	4.840	22	85,7	5.324	2.800	3.451
AT 114-2N24	7.555	14.745	4.910	30	94,0	5.324	2.800	3.451
AT 114-2O24	7.715	14.905	5.065	37	100,9	5.324	2.800	3.451
AT 114-3K24	7.930	15.120	5.280	15	74,1	5.629	3.105	3.756
AT 114-3L24	7.950	15.140	5.300	18,5	79,5	5.629	3.105	3.756
AT 114-3M24	7.960	15.150	5.310	22	84,3	5.629	3.105	3.756
AT 114-3N24	8.030	15.220	5.380	30	92,3	5.629	3.105	3.756
AT 114-3O24	8.185	15.375	5.540	37	99,0	5.629	3.105	3.756
AT 114-3P24	8.265	15.455	5.615	45	104,8	5.629	3.105	3.756
AT 114-4K24	8.400	15.590	5.750	15	72,8	5.934	3.410	4.061
AT 114-4L24	8.425	15.615	5.775	18,5	78,2	5.934	3.410	4.061
AT 114-4M24	8.430	15.620	5.785	22	82,8	5.934	3.410	4.061
AT 114-4N24	8.500	15.690	5.850	30	90,8	5.934	3.410	4.061
AT 114-4O24	8.660	15.850	6.010	37	97,5	5.934	3.410	4.061
AT 114-4P24	8.735	15.925	6.085	45	103,2	5.934	3.410	4.061
AT 114-4Q24	8.845	16.035	6.195	55	110,6	5.934	3.410	4.061
AT 114-4R24*	9.045	16.235	6.395	75	121,1	5.934	3.410	4.061
SLSF Addition**	567	567	567			343	343	

\* Model available with gear drive only. Motors and access doors located on 4.248 mm unit ends. Super Low Sound Fan is not available on this unit.

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

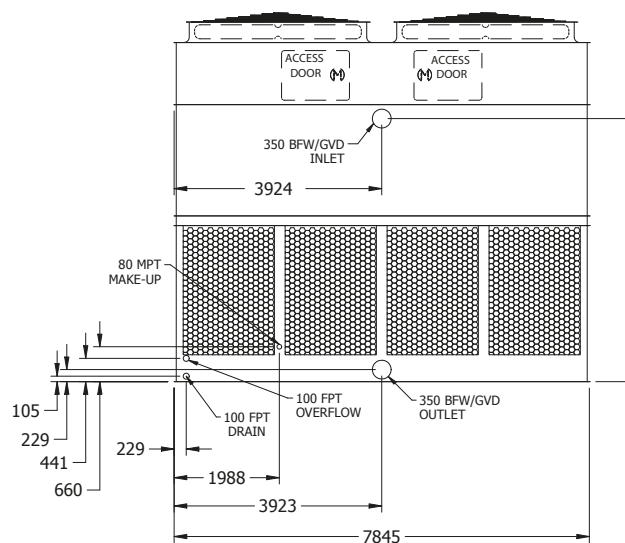
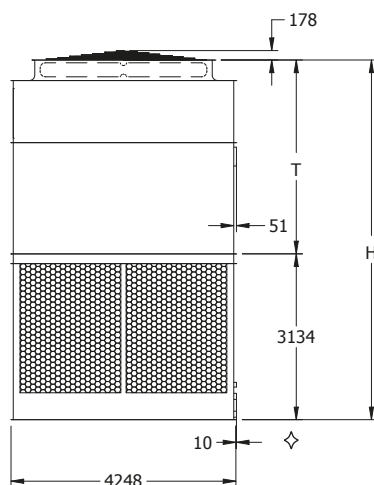
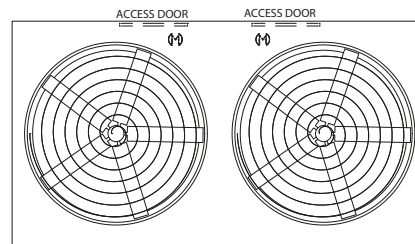
◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \*\* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 114-5K26 to 114-5O26

## One-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 114-5K26	11.250	18.885	8.010	(2) 15	94,5	6.795	3.661	4.972
AT 114-5L26	11.275	18.910	8.040	(2) 18.5	101,3	6.795	3.661	4.972
AT 114-5M26	11.320	18.955	8.085	(2) 22	107,3	6.795	3.661	4.972
AT 114-5N26	11.465	19.100	8.230	(2) 30	117,3	6.795	3.661	4.972
AT 114-5O26	11.475	19.110	8.235	(2) 37	125,7	6.795	3.661	4.972
SLSF Addition*	♣	1.089	♣			394	394	

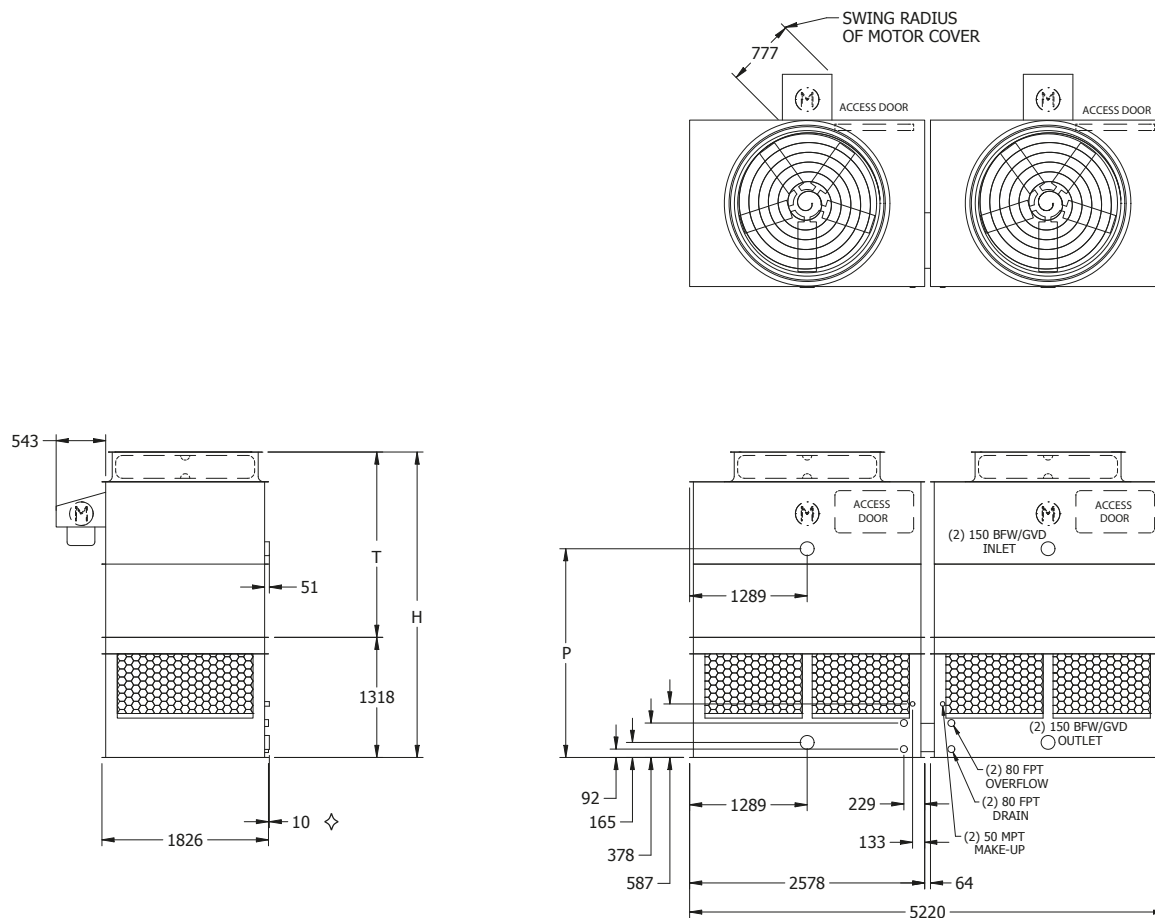
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

♣ Heaviest section is upper section.  
 ♣ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 26-2F17 to 26-4J17

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 26-2F17	2.760	4.610	905	(2) 2.2	21,3	3.350	2.032	2.289
AT 26-2G17	2.775	4.625	910	(2) 4	25,1	3.350	2.032	2.289
AT 26-2H17	2.810	4.665	930	(2) 5.5	28,6	3.350	2.032	2.289
AT 26-3F17	2.940	4.790	995	(2) 2.2	21,0	3.654	2.337	2.594
AT 26-3G17	2.955	4.810	1.000	(2) 4	24,7	3.654	2.337	2.594
AT 26-3H17	2.995	4.845	1.020	(2) 5.5	28,0	3.654	2.337	2.594
AT 26-3I17	3.020	4.870	1.035	(2) 7.5	30,7	3.654	2.337	2.594
AT 26-4F17	3.140	4.990	1.095	(2) 2.2	20,7	3.959	2.642	2.899
AT 26-4G17	3.155	5.010	1.100	(2) 4	24,3	3.959	2.642	2.899
AT 26-4H17	3.195	5.045	1.120	(2) 5.5	27,6	3.959	2.642	2.899
AT 26-4I17	3.220	5.070	1.135	(2) 7.5	30,2	3.959	2.642	2.899
AT 26-4J17	3.285	5.135	1.165	(2) 11	34,4	3.959	2.642	2.899
SLSF Addition*	136	136	68			330	330	

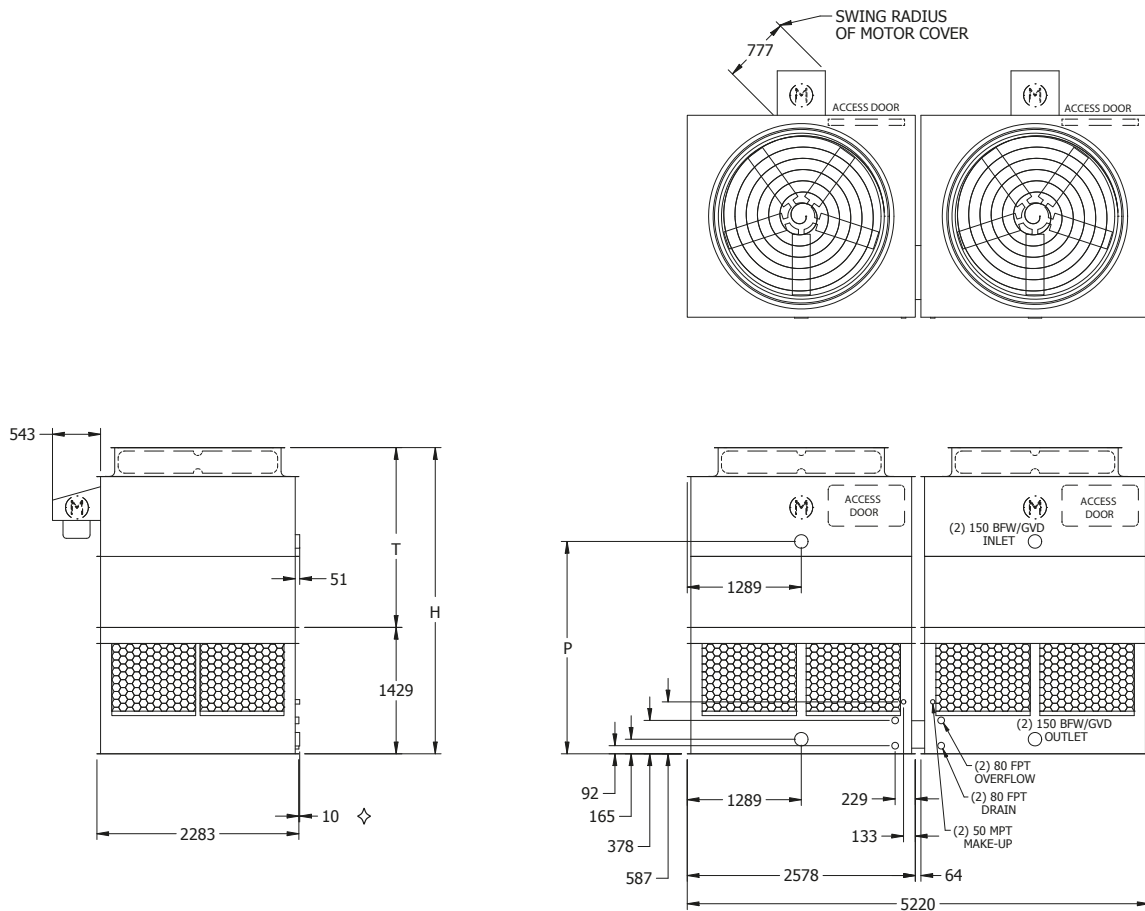
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 28-2F17 to 28-4J17

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 28-2F17	3.110	5.305	1.025	(2) 2.2	25,1	3.461	2.032	2.400
AT 28-2G17	3.130	5.325	1.035	(2) 4	29,5	3.461	2.032	2.400
AT 28-2H17	3.165	5.360	1.050	(2) 5.5	33,7	3.461	2.032	2.400
AT 28-2I17	3.195	5.390	1.065	(2) 7.5	37,0	3.461	2.032	2.400
AT 28-3F17	3.320	5.515	1.130	(2) 2.2	24,8	3.766	2.337	2.705
AT 28-3G17	3.340	5.535	1.140	(2) 4	29,1	3.766	2.337	2.705
AT 28-3H17	3.375	5.570	1.155	(2) 5.5	33,1	3.766	2.337	2.705
AT 28-3I17	3.400	5.595	1.170	(2) 7.5	36,3	3.766	2.337	2.705
AT 28-3J17	3.455	5.650	1.195	(2) 11	41,3	3.766	2.337	2.705
AT 28-4F17	3.565	5.760	1.250	(2) 2.2	24,4	4.070	2.642	3.010
AT 28-4G17	3.585	5.780	1.260	(2) 4	28,6	4.070	2.642	3.010
AT 28-4H17	3.620	5.815	1.280	(2) 5.5	32,6	4.070	2.642	3.010
AT 28-4I17	3.645	5.840	1.295	(2) 7.5	35,7	4.070	2.642	3.010
AT 28-4J17	3.700	5.895	1.320	(2) 11	40,6	4.070	2.642	3.010
SLSF Addition*	136	136	68			432	432	

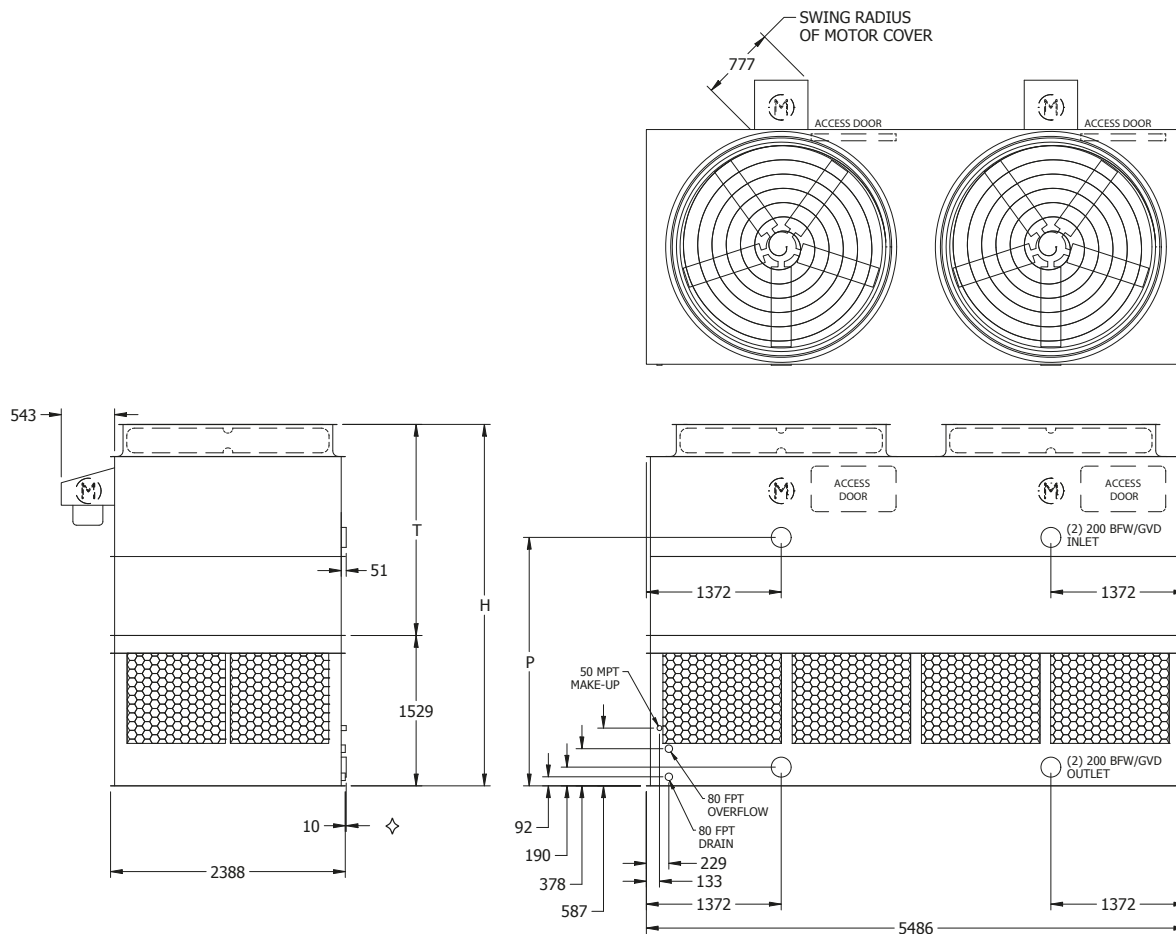
NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 28-2G18 to 28-4K18

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 28-2G18	3.200	5.725	2.125	(2) 4	32,1	3.677	2.146	2.527
AT 28-2H18	3.220	5.740	2.140	(2) 5.5	36,5	3.677	2.146	2.527
AT 28-2I18	3.235	5.755	2.155	(2) 7.5	39,9	3.677	2.146	2.527
AT 28-2J18	3.265	5.790	2.185	(2) 11	45,4	3.677	2.146	2.527
AT 28-3G18	3.425	5.945	2.345	(2) 4	31,6	3.981	2.451	2.832
AT 28-3H18	3.445	5.965	2.365	(2) 5.5	35,8	3.981	2.451	2.832
AT 28-3I18	3.455	5.980	2.375	(2) 7.5	39,2	3.981	2.451	2.832
AT 28-3J18	3.490	6.010	2.410	(2) 11	44,5	3.981	2.451	2.832
AT 28-3K18	3.510	6.035	2.430	(2) 15	48,8	3.981	2.451	2.832
AT 28-4G18	3.665	6.185	2.585	(2) 4	31,0	4.286	2.756	3.137
AT 28-4H18	3.685	6.205	2.605	(2) 5.5	35,2	4.286	2.756	3.137
AT 28-4I18	3.695	6.220	2.615	(2) 7.5	38,6	4.286	2.756	3.137
AT 28-4J18	3.730	6.250	2.650	(2) 11	43,8	4.286	2.756	3.137
AT 28-4K18	3.750	6.275	2.670	(2) 15	47,9	4.286	2.756	3.137
SLSF Addition*	136	136	136			533	533	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29.4°C leaving water temperature and 25.6°C wet-bulb temperature.

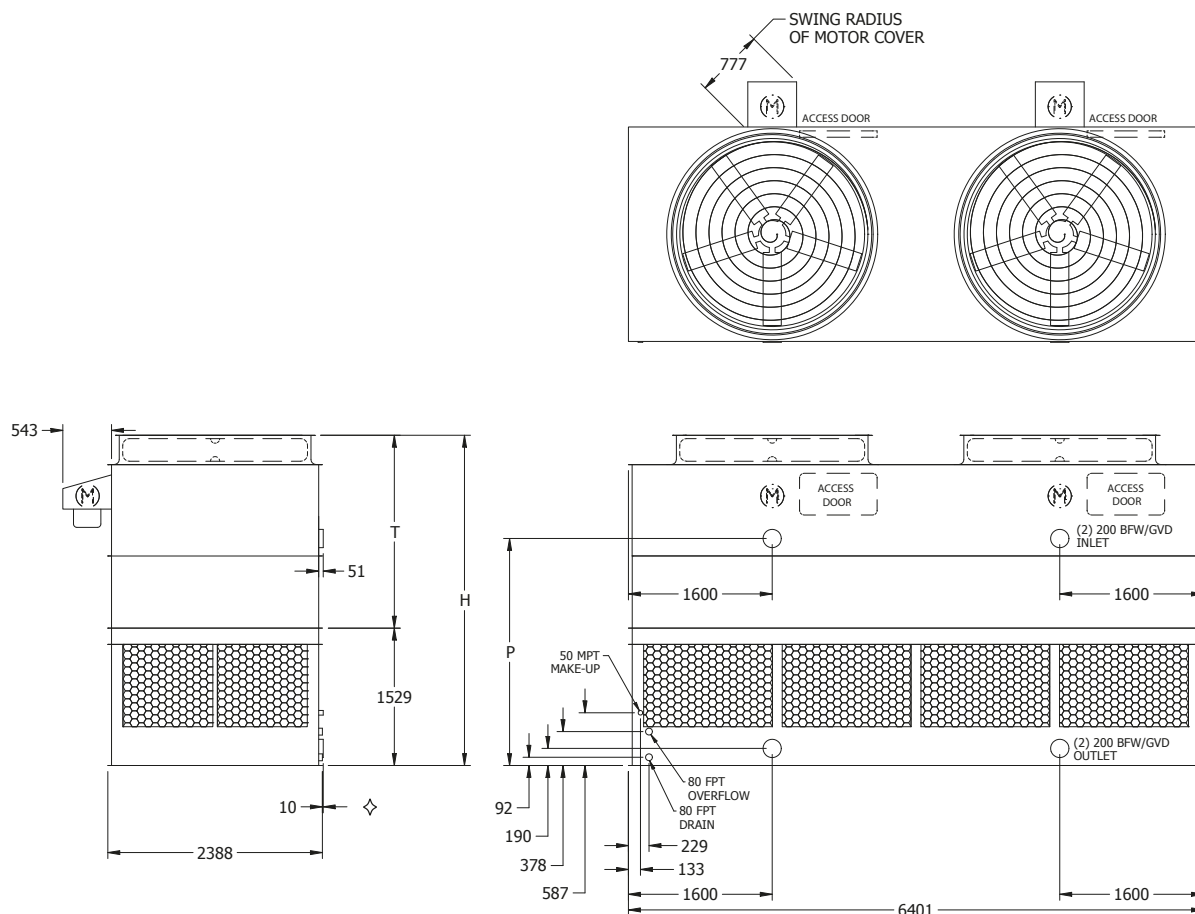
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 28-2H21 to 28-4K21

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 28-2H21	3.680	6.650	2.495	(2) 5.5	41,1	3.677	2.146	2.527
AT 28-2I21	3.690	6.665	2.510	(2) 7.5	45,0	3.677	2.146	2.527
AT 28-2J21	3.725	6.695	2.540	(2) 11	51,2	3.677	2.146	2.527
AT 28-2K21	3.745	6.720	2.565	(2) 15	56,0	3.677	2.146	2.527
AT 28-3H21	3.935	6.905	2.750	(2) 5.5	40,4	3.981	2.451	2.832
AT 28-3I21	3.945	6.915	2.760	(2) 7.5	44,2	3.981	2.451	2.832
AT 28-3J21	3.980	6.950	2.795	(2) 11	50,2	3.981	2.451	2.832
AT 28-3K21	4.000	6.970	2.815	(2) 15	54,9	3.981	2.451	2.832
AT 28-4H21	4.210	7.180	3.025	(2) 5.5	39,6	4.286	2.756	3.137
AT 28-4I21	4.225	7.195	3.040	(2) 7.5	43,5	4.286	2.756	3.137
AT 28-4J21	4.255	7.225	3.070	(2) 11	49,4	4.286	2.756	3.137
AT 28-4K21	4.275	7.250	3.095	(2) 15	54,0	4.286	2.756	3.137
SLSF Addition*	136	136	136			533	533	

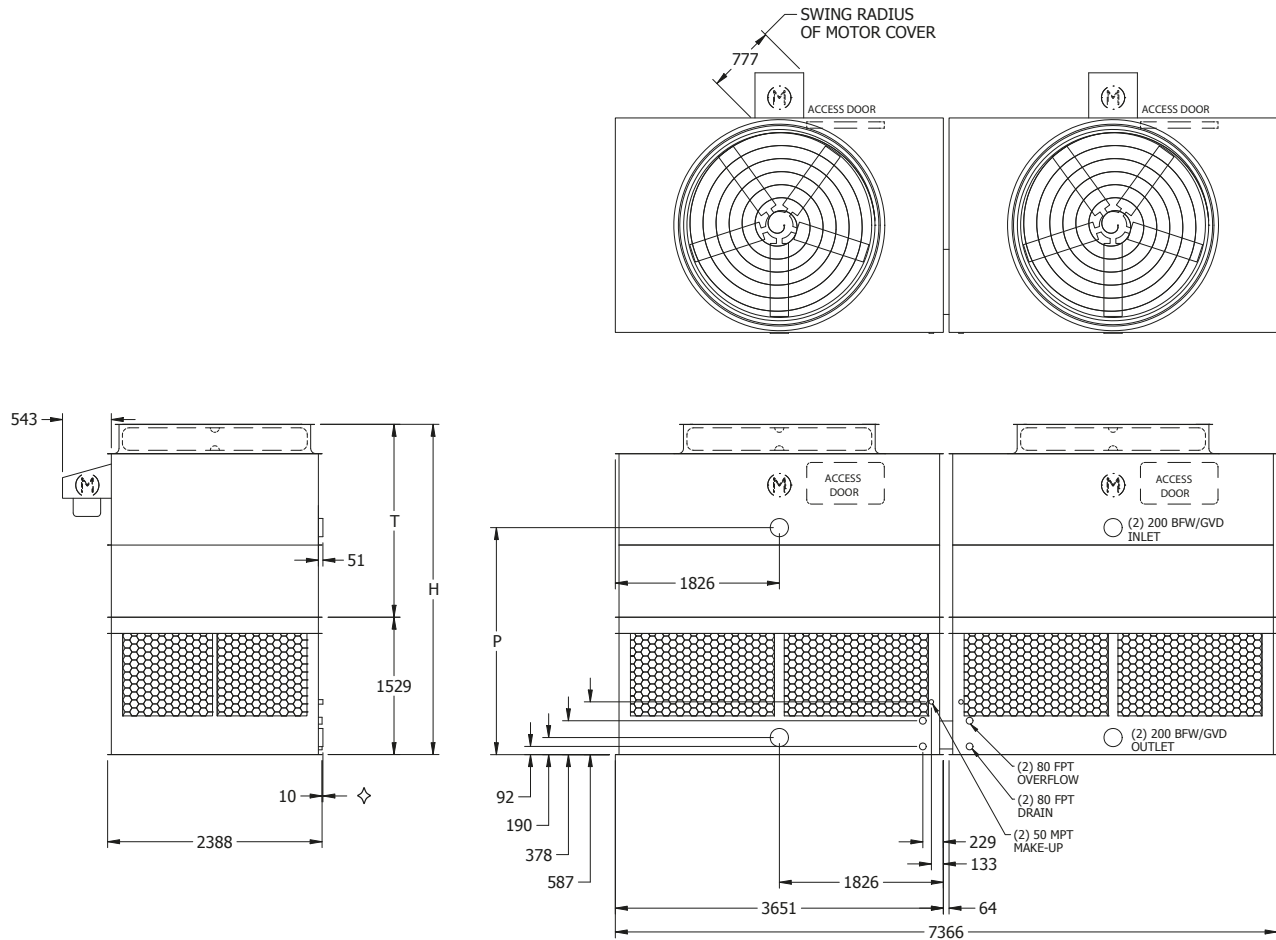
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 28-2H24 to 28-4L24

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 28-2H24	4.275	7.575	1.440	(2) 5.5	45,2	3.677	2.146	2.527
AT 28-2I24	4.300	7.600	1.455	(2) 7.5	49,5	3.677	2.146	2.527
AT 28-2J24	4.365	7.665	1.490	(2) 11	56,3	3.677	2.146	2.527
AT 28-2K24	4.410	7.710	1.510	(2) 15	61,7	3.677	2.146	2.527
AT 28-3H24	4.570	7.875	1.590	(2) 5.5	44,5	3.981	2.451	2.832
AT 28-3I24	4.600	7.900	1.605	(2) 7.5	48,7	3.981	2.451	2.832
AT 28-3J24	4.665	7.965	1.635	(2) 11	55,3	3.981	2.451	2.832
AT 28-3K24	4.710	8.010	1.660	(2) 15	60,5	3.981	2.451	2.832
AT 28-3L24	4.735	8.040	1.675	(2) 18.5	65,0	3.981	2.451	2.832
AT 28-4H24	4.900	8.200	1.755	(2) 5.5	43,7	4.286	2.756	3.137
AT 28-4I24	4.925	8.230	1.770	(2) 7.5	47,8	4.286	2.756	3.137
AT 28-4J24	4.990	8.290	1.800	(2) 11	54,4	4.286	2.756	3.137
AT 28-4K24	5.035	8.335	1.825	(2) 15	59,5	4.286	2.756	3.137
AT 28-4L24	5.060	8.365	1.835	(2) 18.5	63,9	4.286	2.756	3.137
SLSF Addition*	136	136	68			533	533	

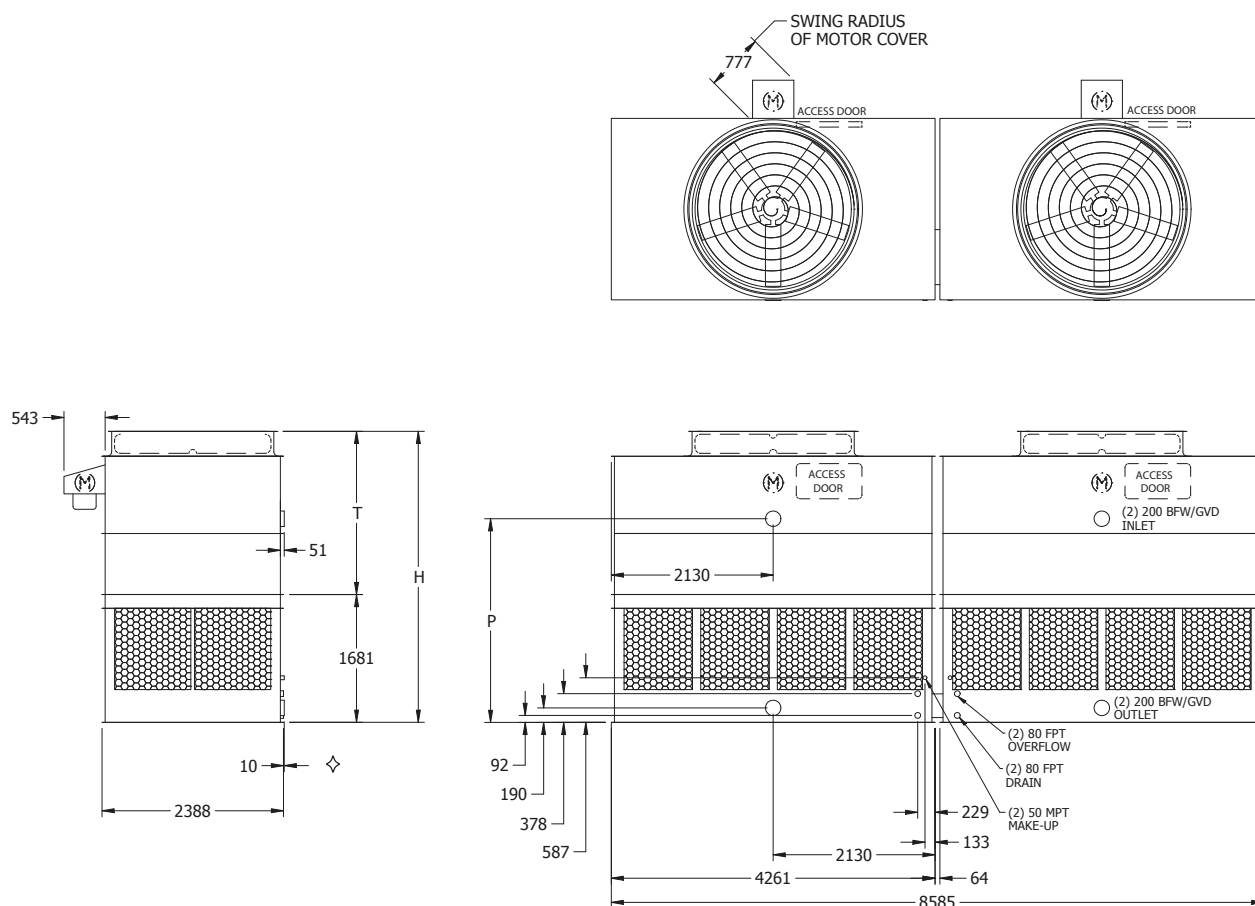
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 28-2H28 to 28-4M28

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 28-2H28	4.690	8.565	1.545	(2) 5.5	50,5	3.829	2.146	2.680
AT 28-2I28	4.715	8.590	1.560	(2) 7.5	55,3	3.829	2.146	2.680
AT 28-2J28	4.780	8.655	1.590	(2) 11	62,8	3.829	2.146	2.680
AT 28-2K28	4.825	8.700	1.615	(2) 15	68,8	3.829	2.146	2.680
AT 28-2L28	4.855	8.725	1.630	(2) 18.5	73,8	3.829	2.146	2.680
AT 28-3H28	5.035	8.910	1.720	(2) 5.5	49,6	4.134	2.451	2.985
AT 28-3I28	5.060	8.935	1.735	(2) 7.5	54,2	4.134	2.451	2.985
AT 28-3J28	5.125	9.000	1.765	(2) 11	61,7	4.134	2.451	2.985
AT 28-3K28	5.170	9.045	1.785	(2) 15	67,5	4.134	2.451	2.985
AT 28-3L28	5.200	9.070	1.800	(2) 18.5	72,3	4.134	2.451	2.985
AT 28-3M28	5.215	9.090	1.810	(2) 22	76,7	4.134	2.451	2.985
AT 28-4H28	5.405	9.280	1.905	(2) 5.5	48,7	4.439	2.756	3.289
AT 28-4I28	5.435	9.310	1.920	(2) 7.5	53,3	4.439	2.756	3.289
AT 28-4J28	5.500	9.370	1.950	(2) 11	60,6	4.439	2.756	3.289
AT 28-4K28	5.545	9.415	1.975	(2) 15	66,4	4.439	2.756	3.289
AT 28-4L28	5.570	9.445	1.985	(2) 18.5	71,1	4.439	2.756	3.289
AT 28-4M28	5.590	9.460	1.995	(2) 22	75,4	4.439	2.756	3.289
SLSF Addition*	136	136	68			533	533	

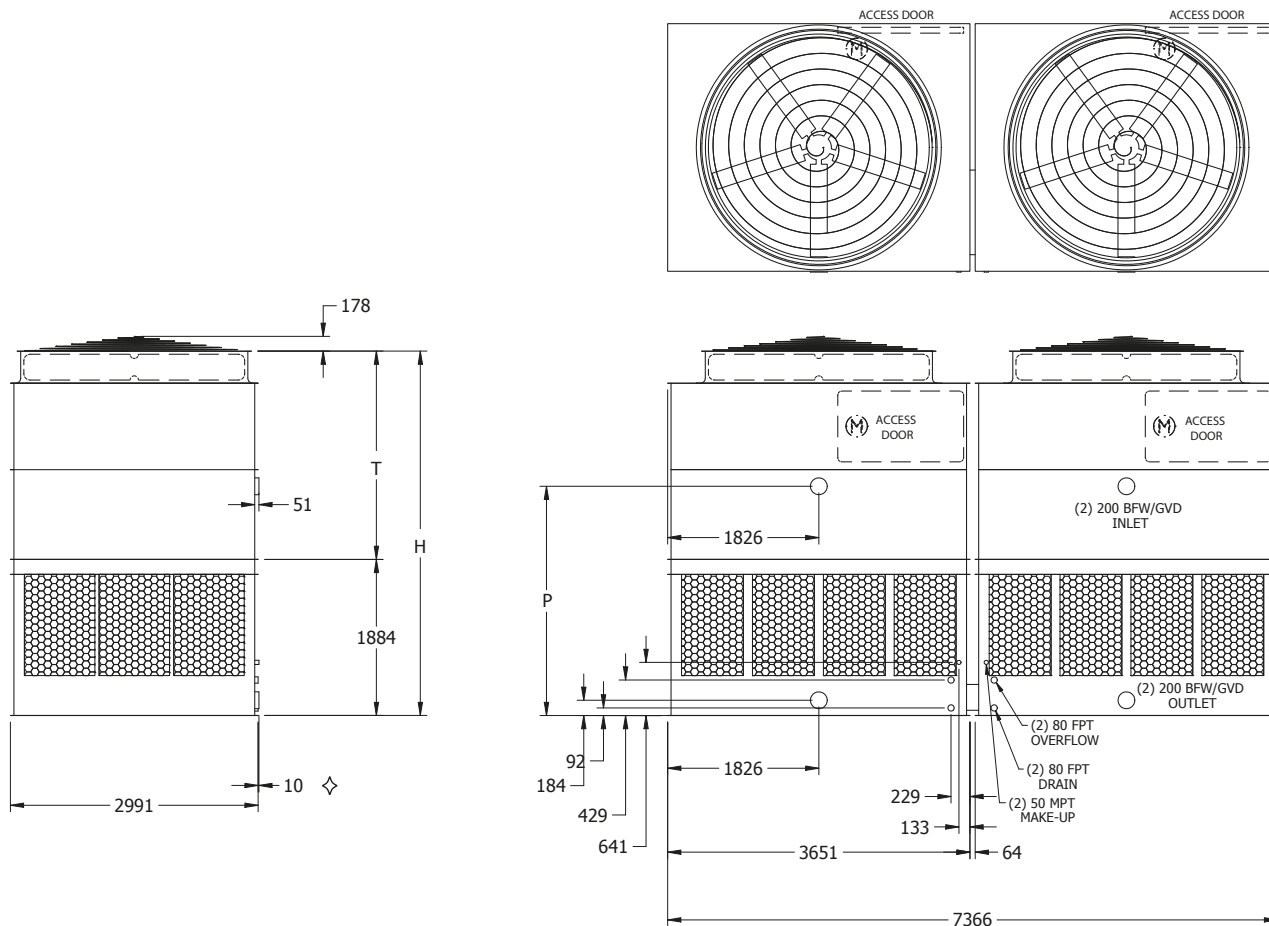
NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 210-2I24 to 210-4N24

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 210-2I24	5.790	10.815	1.905	(2) 7.5	61,1	4.401	2.515	2.769
AT 210-2J24	5.850	10.875	1.935	(2) 11	69,4	4.401	2.515	2.769
AT 210-2K24	5.895	10.925	1.960	(2) 15	76,0	4.401	2.515	2.769
AT 210-2L24	5.940	10.970	1.980	(2) 18.5	81,6	4.401	2.515	2.769
AT 210-2M24	6.035	11.060	2.030	(2) 22	86,5	4.401	2.515	2.769
AT 210-3I24	6.225	11.250	2.125	(2) 7.5	60,1	4.705	2.819	3.073
AT 210-3J24	6.285	11.315	2.155	(2) 11	68,2	4.705	2.819	3.073
AT 210-3K24	6.330	11.360	2.175	(2) 15	74,7	4.705	2.819	3.073
AT 210-3L24	6.380	11.405	2.200	(2) 18.5	80,1	4.705	2.819	3.073
AT 210-3M24	6.470	11.495	2.245	(2) 22	84,9	4.705	2.819	3.073
AT 210-4I24	6.605	11.630	2.315	(2) 7.5	59,1	5.010	3.124	3.378
AT 210-4J24	6.670	11.695	2.345	(2) 11	67,2	5.010	3.124	3.378
AT 210-4K24	6.715	11.740	2.370	(2) 15	73,5	5.010	3.124	3.378
AT 210-4L24	6.760	11.785	2.390	(2) 18.5	78,9	5.010	3.124	3.378
AT 210-4M24	6.850	11.875	2.435	(2) 22	83,5	5.010	3.124	3.378
AT 210-4N24	7.075	12.100	2.550	(2) 26	87,6	5.010	3.124	3.378
SLSF Addition*	635	635	318			546	546	

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

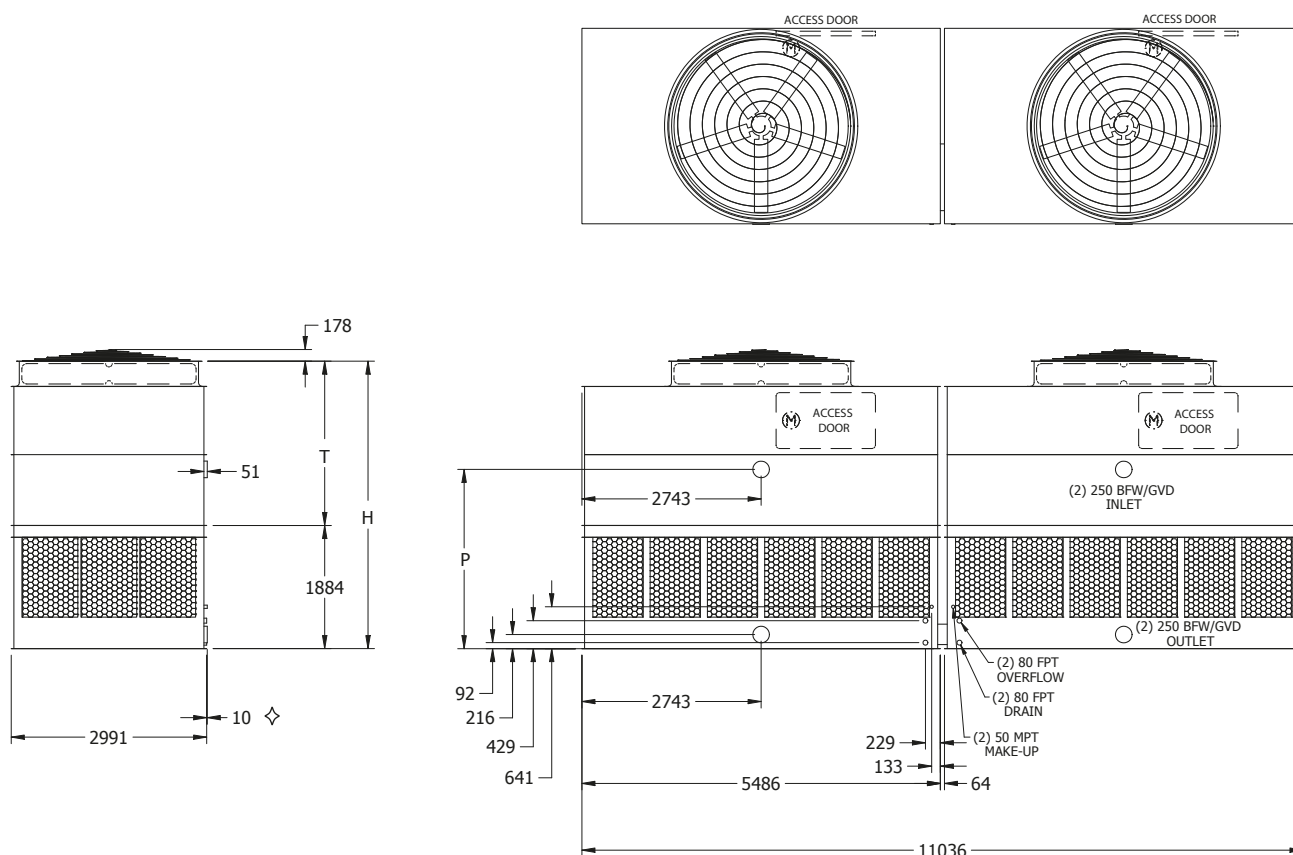
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 210-2I36 to 210-4N36

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 210-2I36	8.145	15.770	2.560	(2) 7.5	81,2	4.401	2.515	2.743
AT 210-2J36	8.210	15.835	2.590	(2) 11	92,3	4.401	2.515	2.743
AT 210-2K36	8.255	15.880	2.615	(2) 15	101,2	4.401	2.515	2.743
AT 210-2L36	8.300	15.925	2.635	(2) 18.5	108,6	4.401	2.515	2.743
AT 210-2M36	8.390	16.015	2.680	(2) 22	115,2	4.401	2.515	2.743
AT 210-3I36	8.770	16.395	2.870	(2) 7.5	79,9	4.705	2.819	3.048
AT 210-3J36	8.835	16.460	2.905	(2) 11	90,9	4.705	2.819	3.048
AT 210-3K36	8.880	16.505	2.925	(2) 15	99,5	4.705	2.819	3.048
AT 210-3L36	8.925	16.550	2.950	(2) 18.5	106,8	4.705	2.819	3.048
AT 210-3M36	9.015	16.640	2.995	(2) 22	113,0	4.705	2.819	3.048
AT 210-3N36	9.245	16.870	3.105	(2) 30	123,7	4.705	2.819	3.048
AT 210-4I36	9.345	16.970	3.155	(2) 7.5	78,6	5.010	3.124	3.353
AT 210-4J36	9.410	17.030	3.190	(2) 11	89,4	5.010	3.124	3.353
AT 210-4K36	9.455	17.080	3.210	(2) 15	97,9	5.010	3.124	3.353
AT 210-4L36	9.500	17.125	3.235	(2) 18.5	105,1	5.010	3.124	3.353
AT 210-4M36	9.590	17.215	3.280	(2) 22	111,2	5.010	3.124	3.353
AT 210-4N36	9.815	17.440	3.395	(2) 30	121,7	5.010	3.124	3.353
SLSF Addition*	635	635	318			546	546	

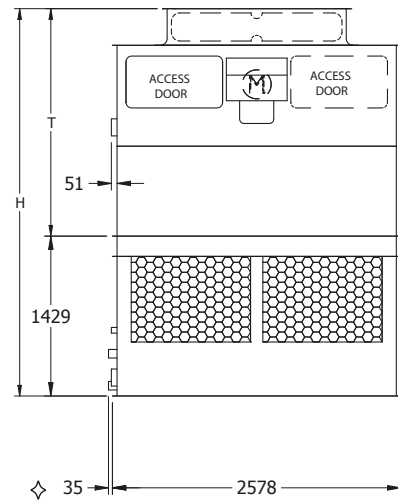
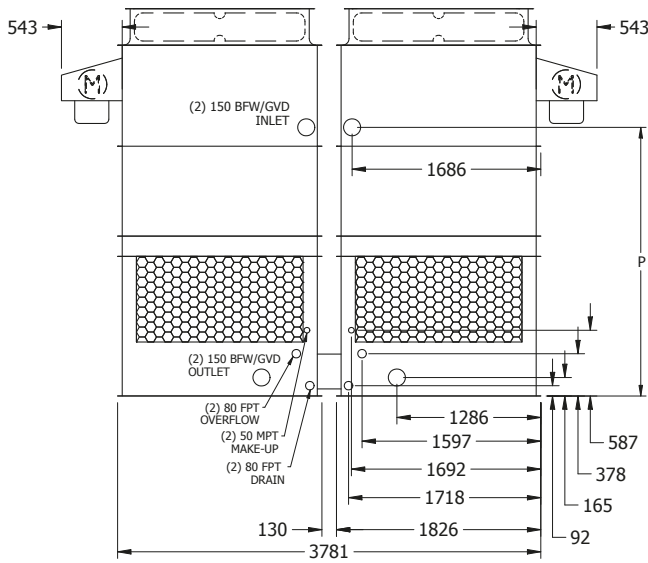
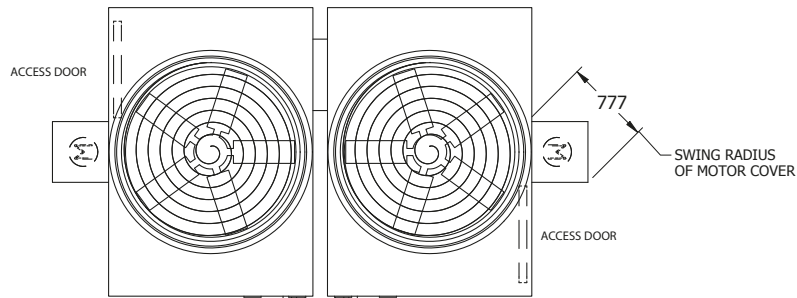
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

‡ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 212-2F9 to 212-4J9

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 212-2F9	2.760	4.610	905	(2) 2.2	21,3	3.461	2.032	2.400
AT 212-2G9	2.775	4.625	910	(2) 4	25,1	3.461	2.032	2.400
AT 212-2H9	2.810	4.665	930	(2) 5.5	28,6	3.461	2.032	2.400
AT 212-3F9	2.940	4.790	995	(2) 2.2	21,0	3.766	2.337	2.705
AT 212-3G9	2.955	4.810	1.000	(2) 4	24,7	3.766	2.337	2.705
AT 212-3H9	2.995	4.845	1.020	(2) 5.5	28,0	3.766	2.337	2.705
AT 212-3I9	3.020	4.870	1.035	(2) 7.5	30,7	3.766	2.337	2.705
AT 212-4F9	3.140	4.990	1.095	(2) 2.2	20,7	4.070	2.642	3.010
AT 212-4G9	3.155	5.010	1.100	(2) 4	24,3	4.070	2.642	3.010
AT 212-4H9	3.195	5.045	1.120	(2) 5.5	27,6	4.070	2.642	3.010
AT 212-4I9	3.220	5.070	1.135	(2) 7.5	30,2	4.070	2.642	3.010
AT 212-4J9	3.285	5.135	1.165	(2) 11	34,4	4.070	2.642	3.010
SLSF Addition*	136	136	68			330	330	

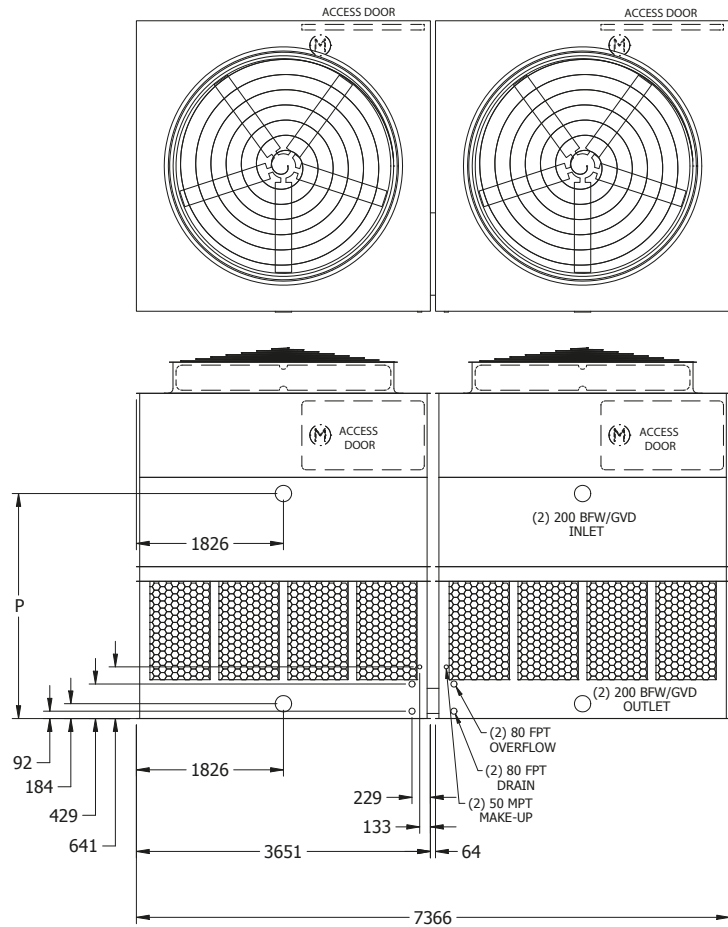
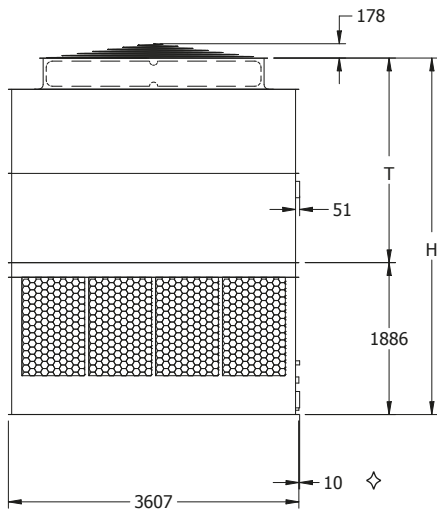
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 212-2124 to 212-4N24

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 212-2124	6.715	12.345	2.205	(2) 7.5	67,5	4.426	2.540	2.794
AT 212-2124	6.840	12.475	2.270	(2) 11	76,8	4.426	2.540	2.794
AT 212-2K24	6.885	12.520	2.290	(2) 15	84,1	4.426	2.540	2.794
AT 212-2L24	6.930	12.565	2.315	(2) 18.5	90,4	4.426	2.540	2.794
AT 212-2M24	7.020	12.655	2.360	(2) 22	95,8	4.426	2.540	2.794
AT 212-3124	7.205	12.835	2.450	(2) 7.5	66,5	4.731	2.845	3.099
AT 212-3124	7.330	12.965	2.515	(2) 11	75,5	4.731	2.845	3.099
AT 212-3K24	7.375	13.010	2.535	(2) 15	82,6	4.731	2.845	3.099
AT 212-3L24	7.420	13.055	2.560	(2) 18.5	88,6	4.731	2.845	3.099
AT 212-3M24	7.510	13.145	2.605	(2) 22	93,9	4.731	2.845	3.099
AT 212-4124	7.650	13.280	2.670	(2) 7.5	65,4	5.036	3.150	3.404
AT 212-4124	7.775	13.410	2.735	(2) 11	74,3	5.036	3.150	3.404
AT 212-4K24	7.820	13.455	2.760	(2) 15	81,4	5.036	3.150	3.404
AT 212-4L24	7.865	13.500	2.780	(2) 18.5	87,2	5.036	3.150	3.404
AT 212-4M24	7.955	13.590	2.825	(2) 22	92,3	5.036	3.150	3.404
AT 212-4N24	8.185	13.815	2.940	(2) 30	101,0	5.036	3.150	3.404
SLSF Addition*	635	635	318			546	546	

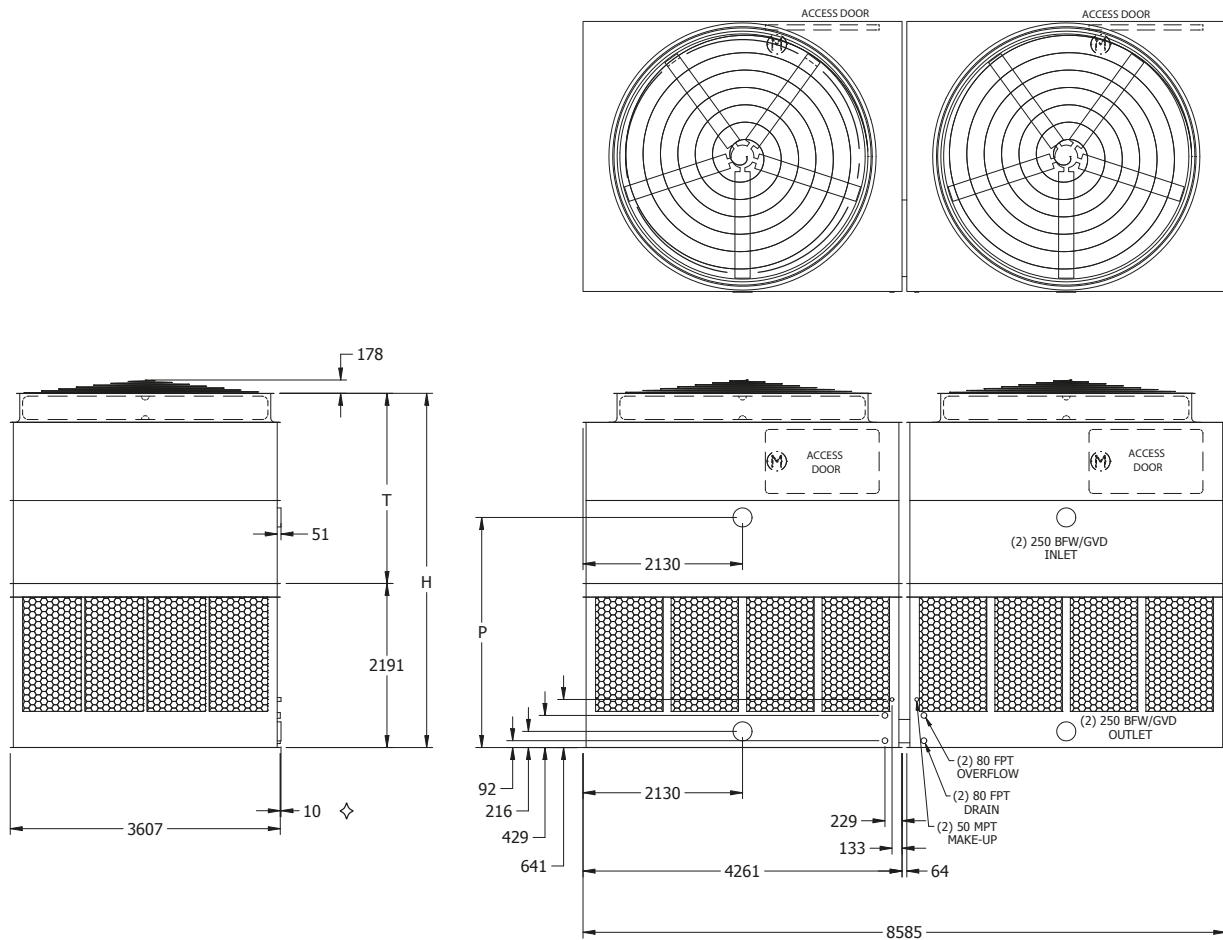
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 212-2I28 to 212-4N28

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 212-2I28	7.630	14.280	2.430	(2) 7.5	73,4	4.731	2.540	3.073
AT 212-2J28	7.695	14.345	2.465	(2) 11	83,5	4.731	2.540	3.073
AT 212-2K28	7.745	14.395	2.490	(2) 15	91,6	4.731	2.540	3.073
AT 212-2L28	7.800	14.450	2.515	(2) 18.5	98,3	4.731	2.540	3.073
AT 212-2M28	7.865	14.515	2.550	(2) 22	104,2	4.731	2.540	3.073
AT 212-3I28	8.230	14.880	2.730	(2) 7.5	72,3	5.036	2.845	3.378
AT 212-3J28	8.290	14.940	2.760	(2) 11	82,1	5.036	2.845	3.378
AT 212-3K28	8.345	14.995	2.790	(2) 15	90,0	5.036	2.845	3.378
AT 212-3L28	8.400	15.050	2.815	(2) 18.5	96,5	5.036	2.845	3.378
AT 212-3M28	8.465	15.115	2.850	(2) 22	102,2	5.036	2.845	3.378
AT 212-3N28	8.700	15.350	2.965	(2) 30	111,9	5.036	2.845	3.378
AT 212-4I28	8.700	15.350	2.965	(2) 7.5	71,1	5.340	3.150	3.683
AT 212-4J28	8.765	15.415	3.000	(2) 11	80,8	5.340	3.150	3.683
AT 212-4K28	8.820	15.465	3.025	(2) 15	88,5	5.340	3.150	3.683
AT 212-4L28	8.870	15.520	3.055	(2) 18.5	95,0	5.340	3.150	3.683
AT 212-4M28	8.935	15.585	3.085	(2) 22	100,5	5.340	3.150	3.683
AT 212-4N28	9.170	15.820	3.200	(2) 30	109,9	5.340	3.150	3.683
SLSF Addition*	635	635	318			546	546	

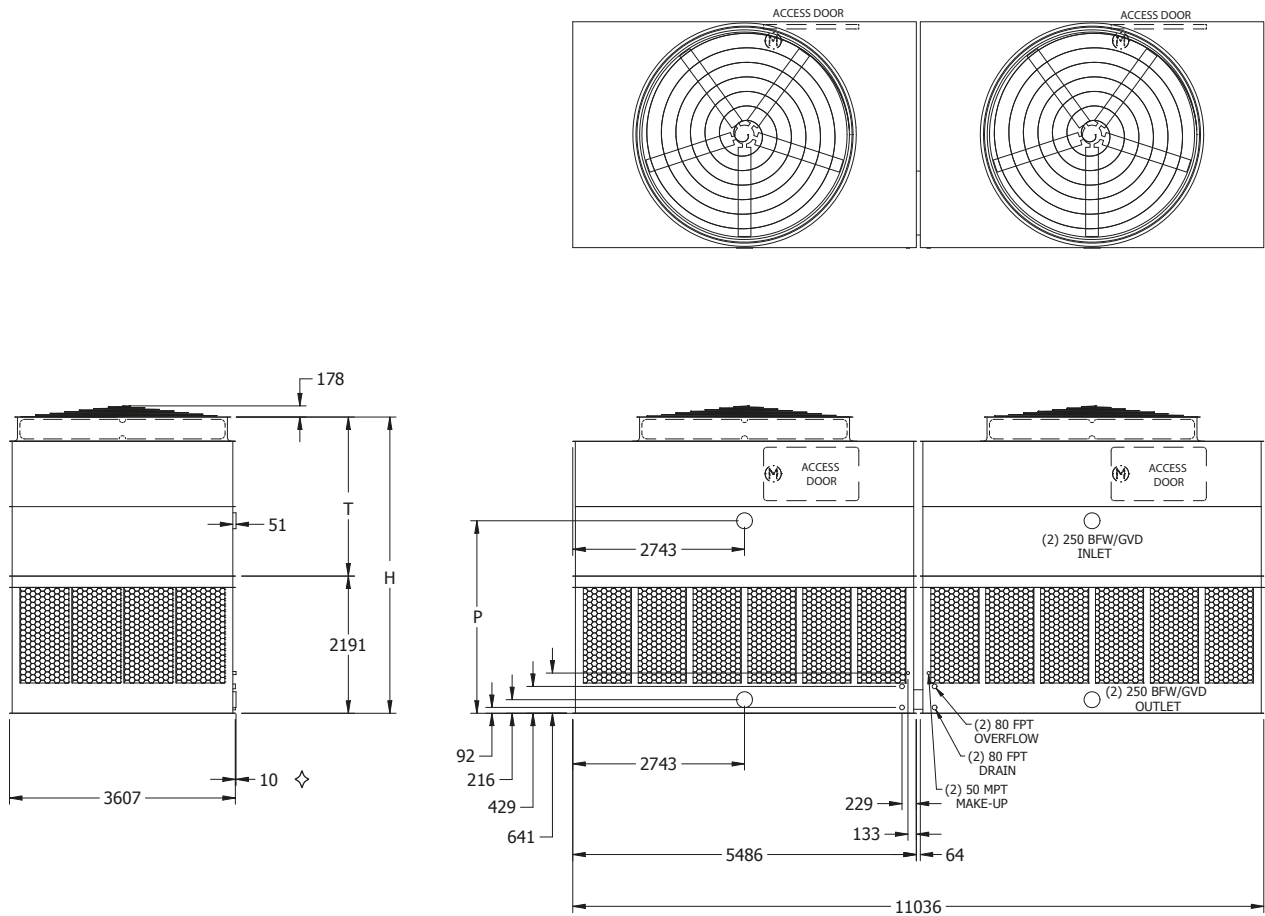
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

‡ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 212-2J36 to 212-4P36

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 212-2J36	9.735	18.145	3.040	(2) 11	103,9	4.731	2.540	3.073
AT 212-2K36	9.790	18.200	3.065	(2) 15	113,8	4.731	2.540	3.073
AT 212-2L36	9.835	18.245	3.090	(2) 18.5	122,3	4.731	2.540	3.073
AT 212-2M36	9.935	18.345	3.140	(2) 22	129,6	4.731	2.540	3.073
AT 212-2N36	10.170	18.580	3.255	(2) 30	142,0	4.731	2.540	3.073
AT 212-3J36	10.440	18.850	3.395	(2) 11	102,4	5.036	2.845	3.378
AT 212-3K36	10.495	18.905	3.420	(2) 15	112,0	5.036	2.845	3.378
AT 212-3L36	10.540	18.950	3.445	(2) 18.5	120,2	5.036	2.845	3.378
AT 212-3M36	10.640	19.050	3.495	(2) 22	127,3	5.036	2.845	3.378
AT 212-3N36	10.875	19.285	3.610	(2) 30	139,3	5.036	2.845	3.378
AT 212-3O36	10.930	19.340	3.640	(2) 37	149,6	5.036	2.845	3.378
AT 212-4J36	11.115	19.525	3.730	(2) 11	100,7	5.340	3.150	3.683
AT 212-4K36	11.165	19.575	3.755	(2) 15	110,2	5.340	3.150	3.683
AT 212-4L36	11.215	19.620	3.780	(2) 18.5	118,4	5.340	3.150	3.683
AT 212-4M36	11.315	19.720	3.830	(2) 22	125,3	5.340	3.150	3.683
AT 212-4N36	11.550	19.960	3.945	(2) 30	137,1	5.340	3.150	3.683
AT 212-4O36	11.605	20.010	3.975	(2) 37	146,9	5.340	3.150	3.683
AT 212-4P36	11.705	20.110	4.025	(2) 45	155,6	5.340	3.150	3.683
SLSF Addition*	1.089	1.089	544			394	394	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

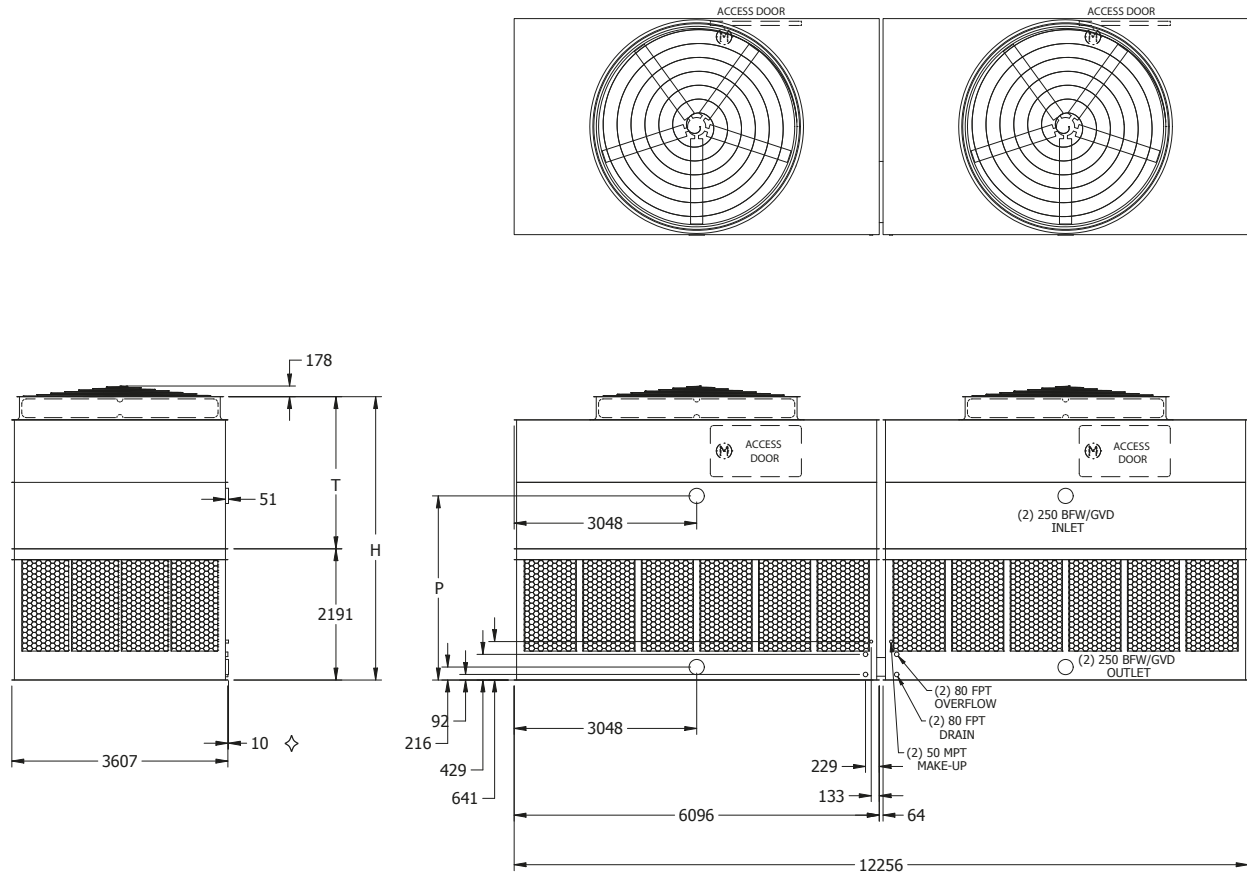
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 212-2K40 to 212-4P40

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 212-2K40	10.400	19.835	3.270	(2) 15	116,3	4.731	2.540	3.073
AT 212-2L40	10.445	19.880	3.295	(2) 18.5	124,9	4.731	2.540	3.073
AT 212-2M40	10.545	19.980	3.345	(2) 22	132,3	4.731	2.540	3.073
AT 212-2N40	10.780	20.215	3.460	(2) 30	144,7	4.731	2.540	3.073
AT 212-2O40	10.835	20.270	3.490	(2) 37	155,3	4.731	2.540	3.073
AT 212-3K40	11.065	20.500	3.600	(2) 15	114,4	5.036	2.845	3.378
AT 212-3L40	11.110	20.545	3.625	(2) 18.5	122,7	5.036	2.845	3.378
AT 212-3M40	11.210	20.645	3.675	(2) 22	129,9	5.036	2.845	3.378
AT 212-3N40	11.445	20.880	3.790	(2) 30	142,0	5.036	2.845	3.378
AT 212-3O40	11.500	20.935	3.820	(2) 37	152,3	5.036	2.845	3.378
AT 212-4K40	11.880	21.315	4.010	(2) 15	112,5	5.340	3.150	3.683
AT 212-4L40	11.925	21.360	4.030	(2) 18.5	120,7	5.340	3.150	3.683
AT 212-4M40	12.025	21.460	4.080	(2) 22	127,9	5.340	3.150	3.683
AT 212-4N40	12.260	21.695	4.200	(2) 30	139,8	5.340	3.150	3.683
AT 212-4O40	12.315	21.750	4.225	(2) 37	149,7	5.340	3.150	3.683
AT 212-4P40	12.415	21.850	4.275	(2) 45	158,7	5.340	3.150	3.683
SLSF Addition*	1.089	1.089	544			394	394	

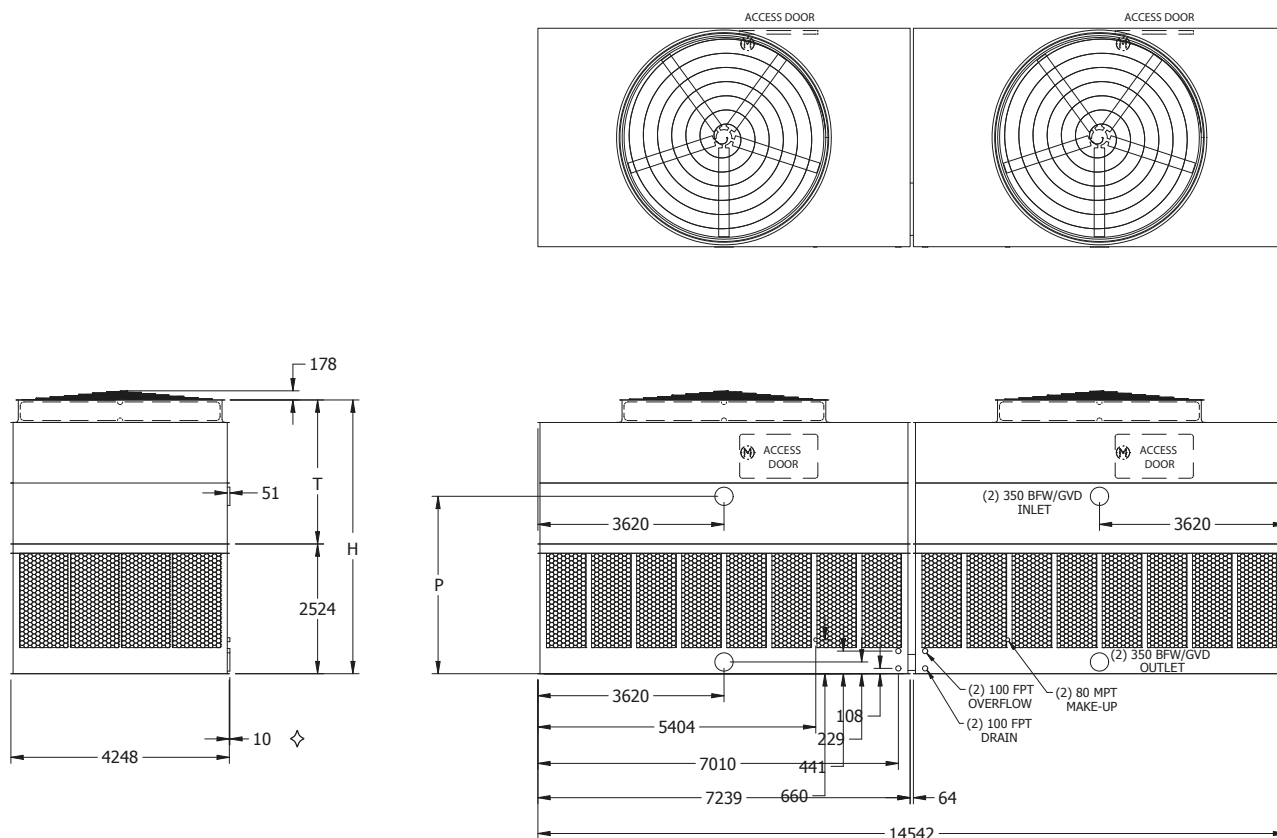
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 214-2K48 to 214-4R48

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 214-2K48	14.805	29.185	4.810	(2) 15	148,0	5.324	2.800	3.451
AT 214-2L48	14.850	29.230	4.830	(2) 18.5	158,8	5.324	2.800	3.451
AT 214-2M48	14.870	29.250	4.840	(2) 22	168,4	5.324	2.800	3.451
AT 214-2N48	15.005	29.385	4.910	(2) 30	184,8	5.324	2.800	3.451
AT 214-2O48	15.320	29.700	5.065	(2) 37	198,4	5.324	2.800	3.451
AT 214-3K48	15.750	30.130	5.280	(2) 15	145,7	5.629	3.105	3.756
AT 214-3L48	15.795	30.175	5.300	(2) 18.5	156,3	5.629	3.105	3.756
AT 214-3M48	15.810	30.190	5.310	(2) 22	165,7	5.629	3.105	3.756
AT 214-3N48	15.950	30.325	5.380	(2) 30	181,4	5.629	3.105	3.756
AT 214-3O48	16.265	30.645	5.540	(2) 37	194,7	5.629	3.105	3.756
AT 214-3P48	16.420	30.800	5.615	(2) 45	206,1	5.629	3.105	3.756
AT 214-4K48	16.690	31.070	5.750	(2) 15	143,1	5.934	3.410	4.061
AT 214-4L48	16.740	31.115	5.775	(2) 18.5	153,6	5.934	3.410	4.061
AT 214-4M48	16.755	31.135	5.785	(2) 22	162,8	5.934	3.410	4.061
AT 214-4N48	16.890	31.270	5.850	(2) 30	178,4	5.934	3.410	4.061
AT 214-4O48	17.210	31.590	6.010	(2) 37	191,6	5.934	3.410	4.061
AT 214-4P48	17.365	31.740	6.085	(2) 45	202,8	5.934	3.410	4.061
AT 214-4Q48	17.580	31.960	6.195	(2) 55	217,4	5.934	3.410	4.061
AT 214-4R48*	17.980	32.360	6.395	(2) 75	238,2	5.934	3.410	4.061
SLSF Addition**	1.134	1.134	567			343	343	

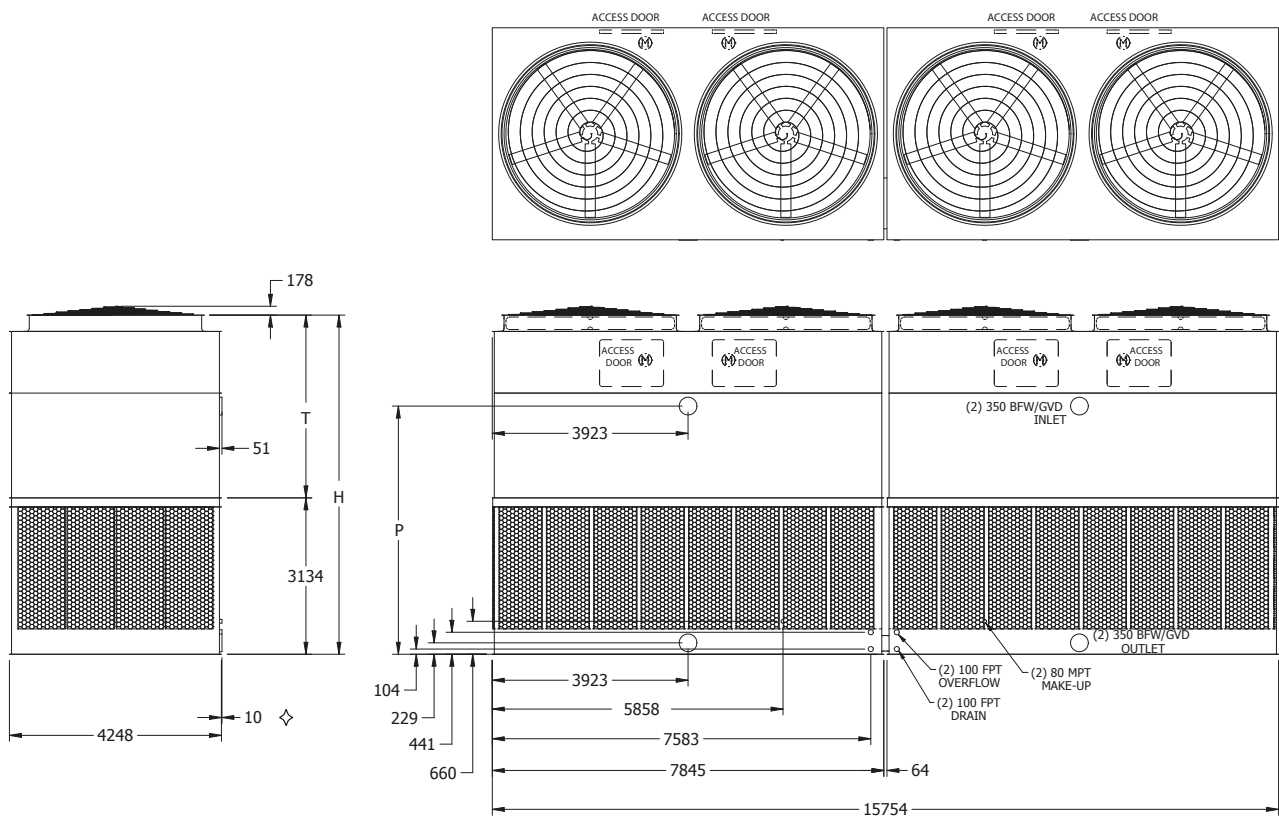
\* Model available with gear drive only. Motors and access doors located on 4.248 mm unit ends. Super Low Sound Fan is not available on this unit.

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\*\* Additional weight and dimensions for optional SLSF.

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 214-5K52	22.315	37.585	8.010	(4) 15	185,7	6.795	3.661	4.972
AT 214-5L52	22.370	37.640	8.040	(4) 18.5	199,2	6.795	3.661	4.972
AT 214-5M52	22.460	37.730	8.085	(4) 22	210,9	6.795	3.661	4.972
AT 214-5N52	22.750	38.020	8.230	(4) 30	230,6	6.795	3.661	4.972
AT 214-5O52	22.770	38.040	8.235	(4) 37	247,2	6.795	3.661	4.972
SLSF Addition*	✿	2.177	✿			394	394	

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

✧ Outlet connection extends beyond bottom flange.

† Height includes fan guard which ships factory mounted.

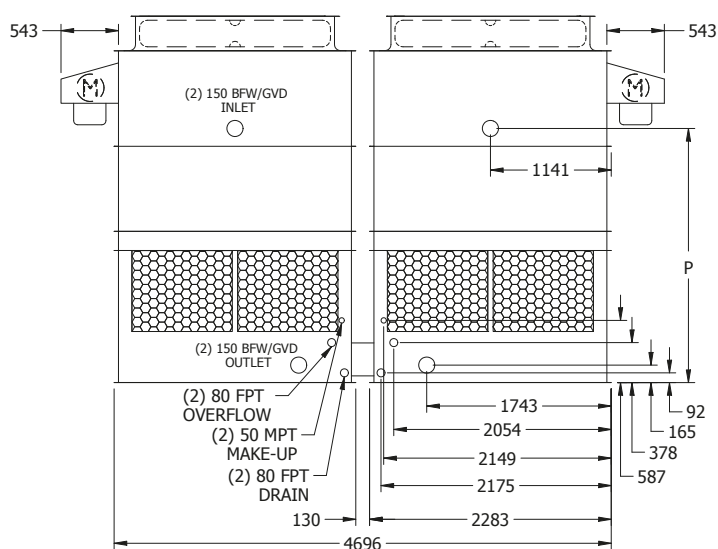
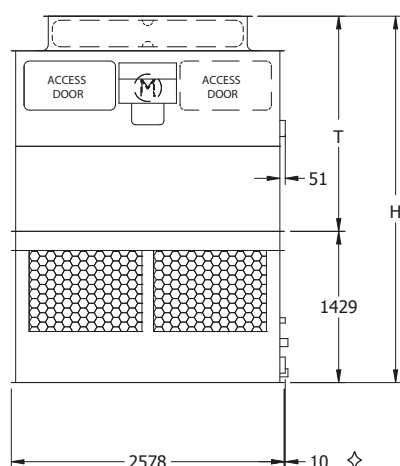
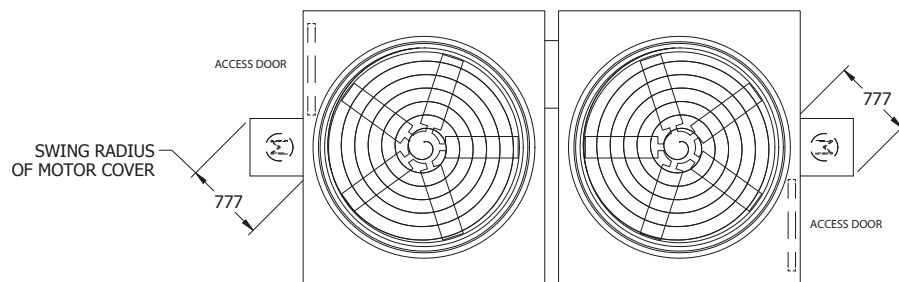
\* Additional weight and dimensions for optional SLSF.

◆ Heaviest section is upper section.

✦ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 215-2F9 to 215-4J9

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 215-2F9	3.110	5.305	1.025	(2) 2.2	25,1	3.461	2.032	2.400
AT 215-2G9	3.130	5.325	1.035	(2) 4	29,5	3.461	2.032	2.400
AT 215-2H9	3.165	5.360	1.050	(2) 5.5	33,7	3.461	2.032	2.400
AT 215-2I9	3.195	5.390	1.065	(2) 7.5	37,0	3.461	2.032	2.400
AT 215-3F9	3.320	5.515	1.130	(2) 2.2	24,8	3.766	2.337	2.705
AT 215-3G9	3.340	5.535	1.140	(2) 4	29,1	3.766	2.337	2.705
AT 215-3H9	3.375	5.570	1.155	(2) 5.5	33,1	3.766	2.337	2.705
AT 215-3I9	3.400	5.595	1.170	(2) 7.5	36,3	3.766	2.337	2.705
AT 215-3J9	3.455	5.650	1.195	(2) 11	41,3	3.766	2.337	2.705
AT 215-4F9	3.565	5.760	1.250	(2) 2.2	24,4	4.070	2.642	3.010
AT 215-4G9	3.585	5.780	1.260	(2) 4	28,6	4.070	2.642	3.010
AT 215-4H9	3.620	5.815	1.280	(2) 5.5	32,6	4.070	2.642	3.010
AT 215-4I9	3.645	5.840	1.295	(2) 7.5	35,7	4.070	2.642	3.010
AT 215-4J9	3.700	5.895	1.320	(2) 11	40,6	4.070	2.642	3.010
SLSF Addition*	136	136	68			432	432	

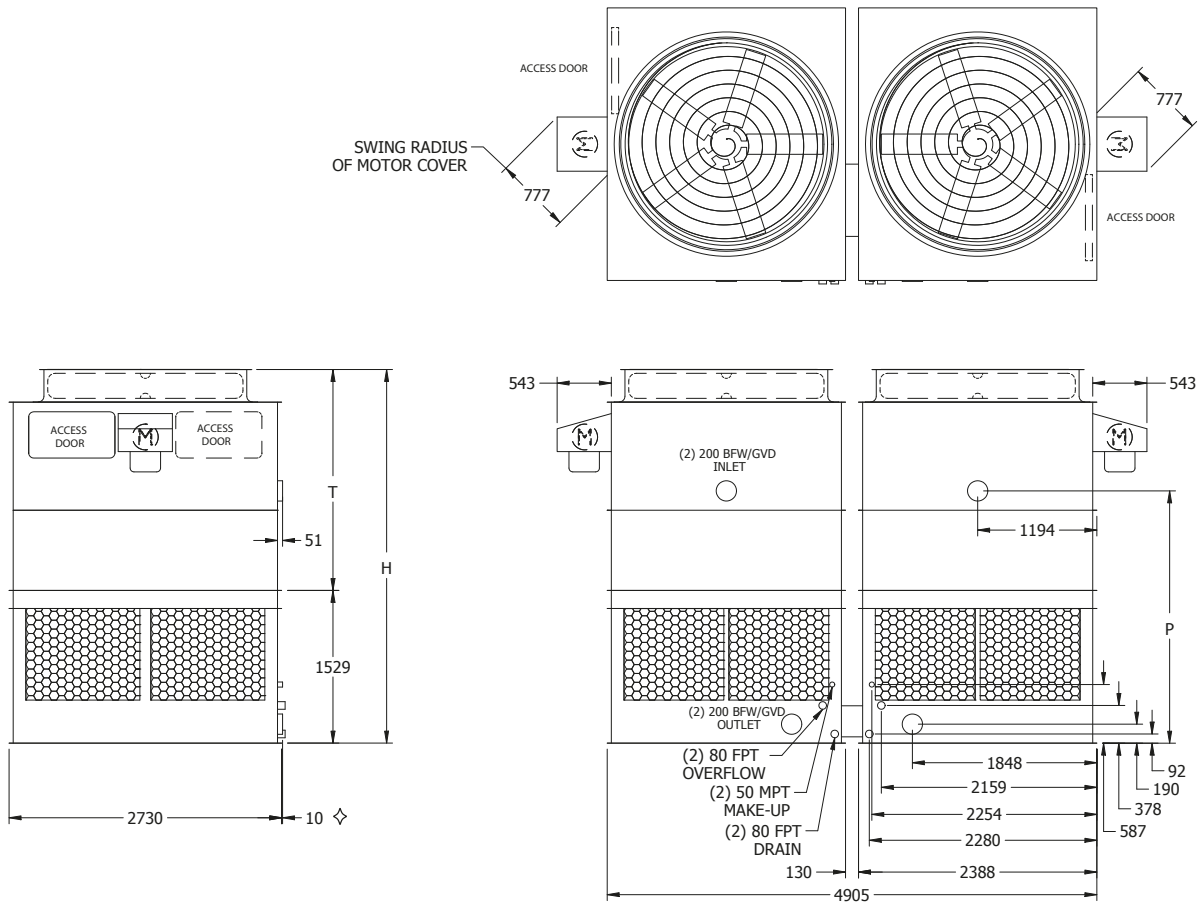
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

♦ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 216-2G9 to 216-4K9

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 216-2G9	3.365	5.805	1.130	(2) 4	31,5	3.743	2.213	2.594
AT 216-2H9	3.400	5.840	1.150	(2) 5.5	35,8	3.743	2.213	2.594
AT 216-2I9	3.430	5.870	1.160	(2) 7.5	39,2	3.743	2.213	2.594
AT 216-2J9	3.495	5.935	1.195	(2) 11	44,6	3.743	2.213	2.594
AT 216-3G9	3.590	6.035	1.245	(2) 4	31,0	4.048	2.518	2.899
AT 216-3H9	3.630	6.070	1.260	(2) 5.5	35,1	4.048	2.518	2.899
AT 216-3I9	3.655	6.095	1.275	(2) 7.5	38,5	4.048	2.518	2.899
AT 216-3J9	3.720	6.160	1.305	(2) 11	43,7	4.048	2.518	2.899
AT 216-3K9	3.765	6.205	1.330	(2) 15	47,9	4.048	2.518	2.899
AT 216-4G9	3.845	6.285	1.370	(2) 4	30,4	4.353	2.823	3.204
AT 216-4H9	3.885	6.325	1.390	(2) 5.5	34,5	4.353	2.823	3.204
AT 216-4I9	3.910	6.350	1.400	(2) 7.5	37,9	4.353	2.823	3.204
AT 216-4J9	3.975	6.415	1.435	(2) 11	43,0	4.353	2.823	3.204
AT 216-4K9	4.020	6.460	1.455	(2) 15	47,1	4.353	2.823	3.204
SLSF Addition*	136	136	68			533	533	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29.4°C leaving water temperature and 25.6°C wet-bulb temperature.

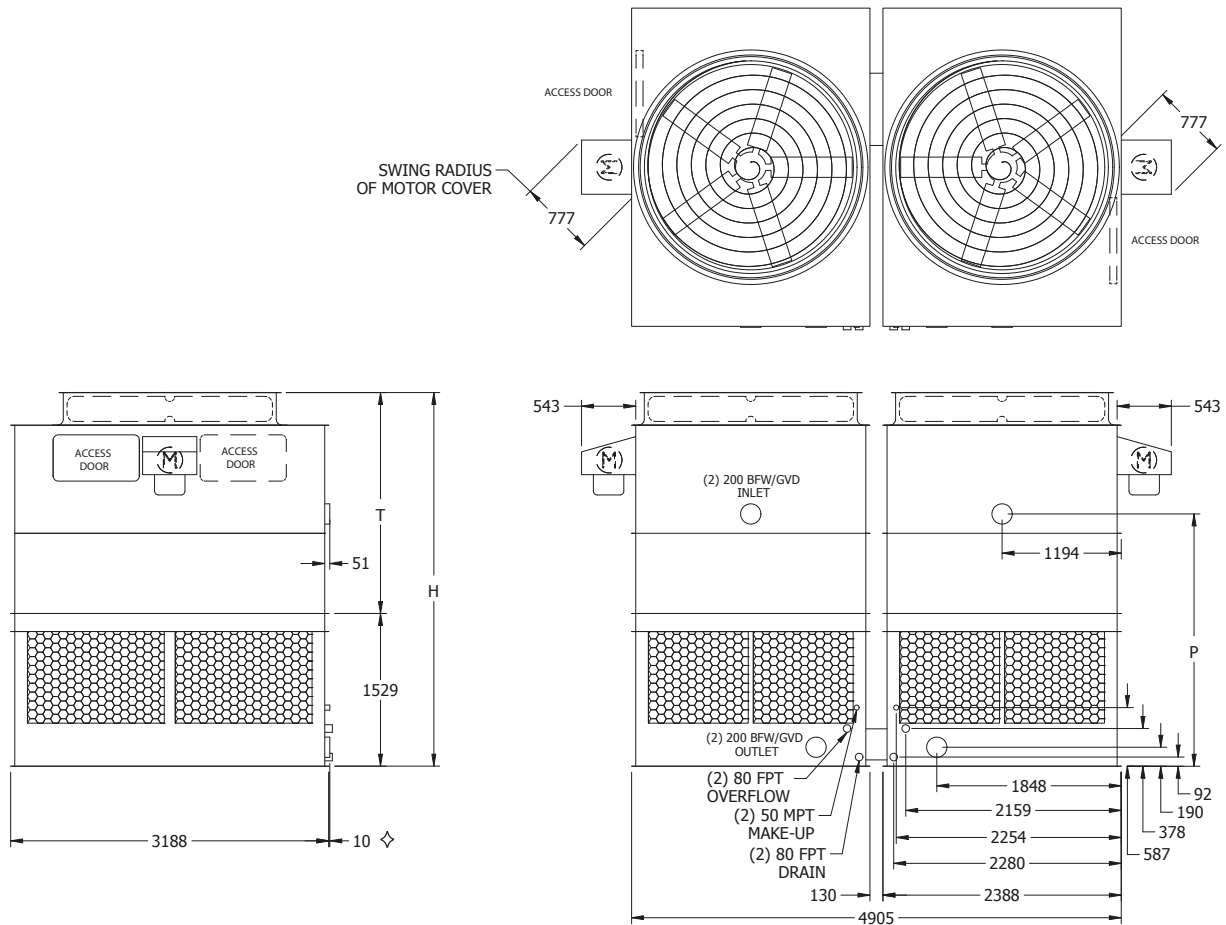
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.  
\* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.  
✦ Please consult the factory for additional information regarding shipping and section weight changes.



# Models: AT/UAT 216-2H11 to 216-4K11

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 216-2H11	3.865	6.695	1.310	(2) 5.5	41,2	3.743	2.213	2.594
AT 216-2I11	3.890	6.720	1.325	(2) 7.5	45,1	3.743	2.213	2.594
AT 216-2J11	3.955	6.785	1.355	(2) 11	51,2	3.743	2.213	2.594
AT 216-2K11	4.000	6.830	1.380	(2) 15	56,1	3.743	2.213	2.594
AT 216-3H11	4.130	6.960	1.440	(2) 5.5	40,4	4.048	2.518	2.899
AT 216-3I11	4.155	6.985	1.455	(2) 7.5	44,2	4.048	2.518	2.899
AT 216-3J11	4.220	7.050	1.490	(2) 11	50,2	4.048	2.518	2.899
AT 216-3K11	4.265	7.095	1.510	(2) 15	55,0	4.048	2.518	2.899
AT 216-4H11	4.425	7.255	1.590	(2) 5.5	39,7	4.353	2.823	3.204
AT 216-4I11	4.455	7.285	1.605	(2) 7.5	43,5	4.353	2.823	3.204
AT 216-4J11	4.520	7.350	1.635	(2) 11	49,4	4.353	2.823	3.204
AT 216-4K11	4.565	7.395	1.660	(2) 15	54,0	4.353	2.823	3.204
SLSF Addition*	136	136	68			533	533	

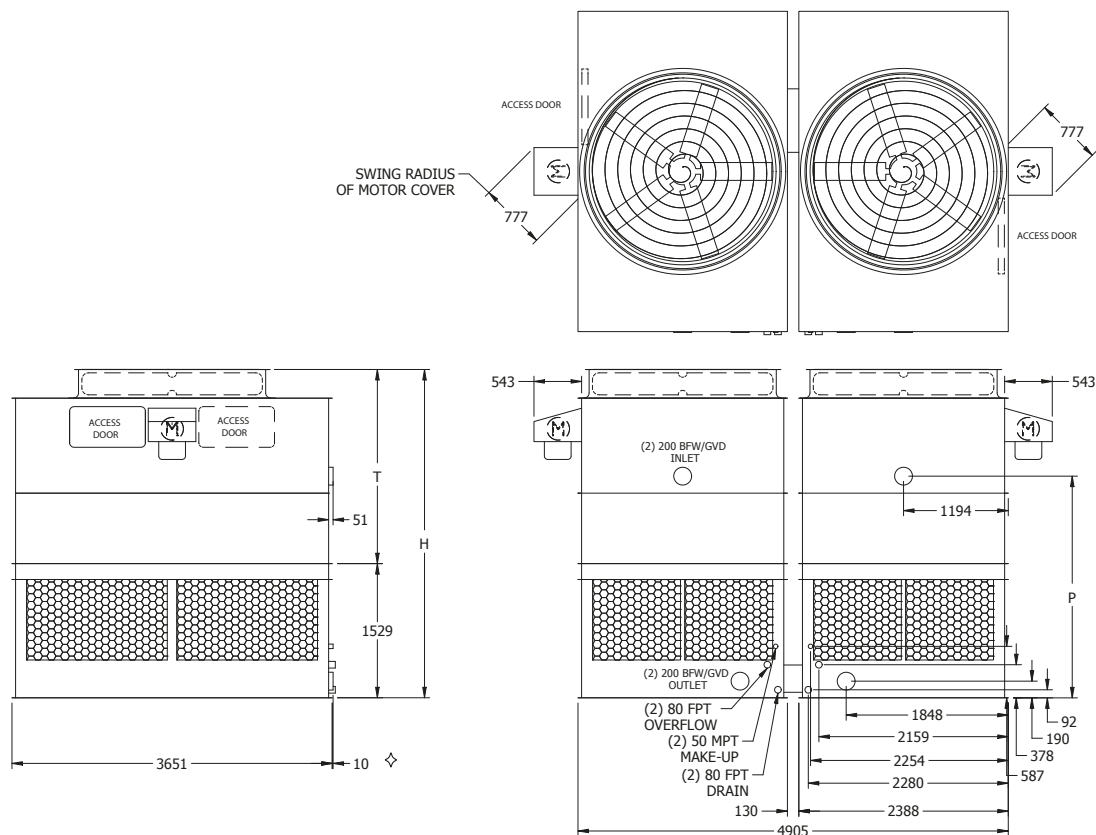
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.  
 ❖ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 216-2H12 to 216-4L12

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 216-2H12	4.280	7.585	1.440	(2) 5.5	44,6	3.743	2.213	2.594
AT 216-2I12	4.310	7.610	1.455	(2) 7.5	48,8	3.743	2.213	2.594
AT 216-2J12	4.375	7.675	1.490	(2) 11	55,5	3.743	2.213	2.594
AT 216-2K12	4.420	7.720	1.510	(2) 15	60,8	3.743	2.213	2.594
AT 216-3H12	4.580	7.885	1.590	(2) 5.5	43,9	4.048	2.518	2.899
AT 216-3I12	4.610	7.910	1.605	(2) 7.5	48,0	4.048	2.518	2.899
AT 216-3J12	4.670	7.975	1.635	(2) 11	54,5	4.048	2.518	2.899
AT 216-3K12	4.715	8.020	1.660	(2) 15	59,7	4.048	2.518	2.899
AT 216-3L12	4.745	8.045	1.675	(2) 18.5	64,1	4.048	2.518	2.899
AT 216-4H12	4.910	8.210	1.755	(2) 5.5	43,0	4.353	2.823	3.204
AT 216-4I12	4.935	8.235	1.770	(2) 7.5	47,1	4.353	2.823	3.204
AT 216-4J12	5.000	8.300	1.800	(2) 11	53,6	4.353	2.823	3.204
AT 216-4K12	5.045	8.345	1.825	(2) 15	58,7	4.353	2.823	3.204
AT 216-4L12	5.070	8.375	1.835	(2) 18.5	63,0	4.353	2.823	3.204
SLSF Addition*	136	136	68			533	533	

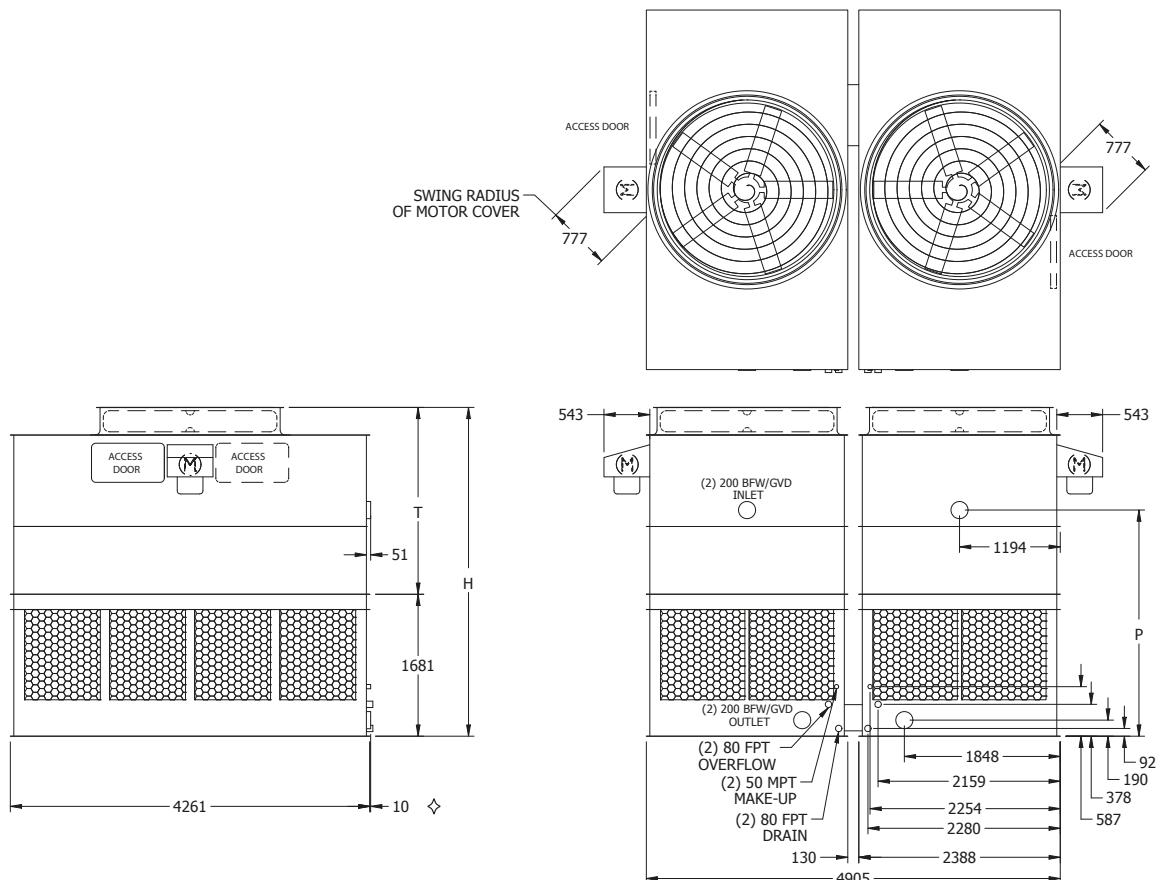
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.  
\* Additional weight and dimensions for optional SLSF.

◆ Heaviest section is upper section.  
◆ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 216-2H14 to 216-4M14

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 216-2H14	4.665	8.535	1.545	(2) 5.5	50.4	3.896	2.213	2.746
AT 216-2I14	4.690	8.565	1.560	(2) 7.5	55.2	3.896	2.213	2.746
AT 216-2J14	4.755	8.625	1.590	(2) 11	62.7	3.896	2.213	2.746
AT 216-2K14	4.800	8.675	1.615	(2) 15	68.7	3.896	2.213	2.746
AT 216-2L14	4.825	8.700	1.630	(2) 18.5	73.7	3.896	2.213	2.746
AT 216-3H14	5.010	8.880	1.720	(2) 5.5	49.5	4.201	2.518	3.051
AT 216-3I14	5.035	8.910	1.735	(2) 7.5	54.3	4.201	2.518	3.051
AT 216-3J14	5.100	8.970	1.765	(2) 11	61.6	4.201	2.518	3.051
AT 216-3K14	5.145	9.015	1.785	(2) 15	67.4	4.201	2.518	3.051
AT 216-3L14	5.170	9.045	1.800	(2) 18.5	72.3	4.201	2.518	3.051
AT 216-3M14	5.190	9.065	1.810	(2) 22	76.6	4.201	2.518	3.051
AT 216-4H14	5.380	9.255	1.905	(2) 5.5	48.6	4.505	2.823	3.356
AT 216-4I14	5.405	9.280	1.920	(2) 7.5	53.3	4.505	2.823	3.356
AT 216-4J14	5.470	9.345	1.950	(2) 11	60.6	4.505	2.823	3.356
AT 216-4K14	5.515	9.390	1.975	(2) 15	66.3	4.505	2.823	3.356
AT 216-4L14	5.545	9.415	1.985	(2) 18.5	71.0	4.505	2.823	3.356
AT 216-4M14	5.560	9.435	1.995	(2) 22	75.3	4.505	2.823	3.356
SLSF Addition*	136	136	68			533	533	

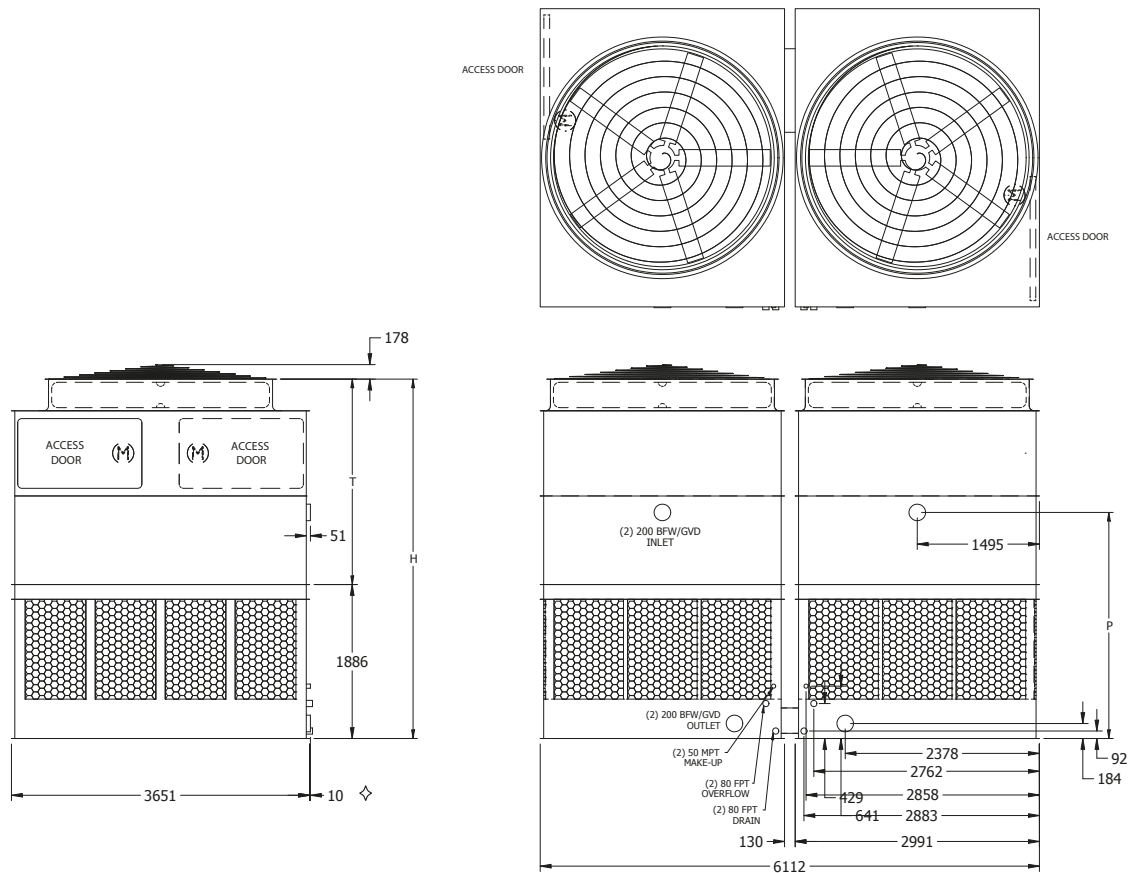
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29.4°C leaving water temperature and 25.6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.  
\* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.  
✦ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 220-2I12 to 220-4N12

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 220-2I12	5.850	10.875	1.905	(2) 7.5	60,8	4.401	2.515	2.769
AT 220-2J12	5.915	10.940	1.935	(2) 11	69,0	4.401	2.515	2.769
AT 220-2K12	5.960	10.985	1.960	(2) 15	75,7	4.401	2.515	2.769
AT 220-2L12	6.005	11.030	1.980	(2) 18.5	81,3	4.401	2.515	2.769
AT 220-2M12	6.095	11.120	2.030	(2) 22	86,1	4.401	2.515	2.769
AT 220-3I12	6.285	11.315	2.125	(2) 7.5	59,8	4.705	2.819	3.073
AT 220-3J12	6.350	11.375	2.155	(2) 11	67,9	4.705	2.819	3.073
AT 220-3K12	6.395	11.420	2.175	(2) 15	74,3	4.705	2.819	3.073
AT 220-3L12	6.440	11.465	2.200	(2) 18.5	79,7	4.705	2.819	3.073
AT 220-3M12	6.530	11.560	2.245	(2) 22	84,5	4.705	2.819	3.073
AT 220-4I12	6.670	11.695	2.315	(2) 7.5	58,9	5.010	3.124	3.378
AT 220-4J12	6.730	11.755	2.345	(2) 11	66,8	5.010	3.124	3.378
AT 220-4K12	6.775	11.800	2.370	(2) 15	73,2	5.010	3.124	3.378
AT 220-4L12	6.820	11.850	2.390	(2) 18.5	78,5	5.010	3.124	3.378
AT 220-4M12	6.915	11.940	2.435	(2) 22	83,1	5.010	3.124	3.378
AT 220-4N12	7.140	12.165	2.550	(2) 26	87,2	5.010	3.124	3.378
SLSF Addition*	635	635	318			546	546	

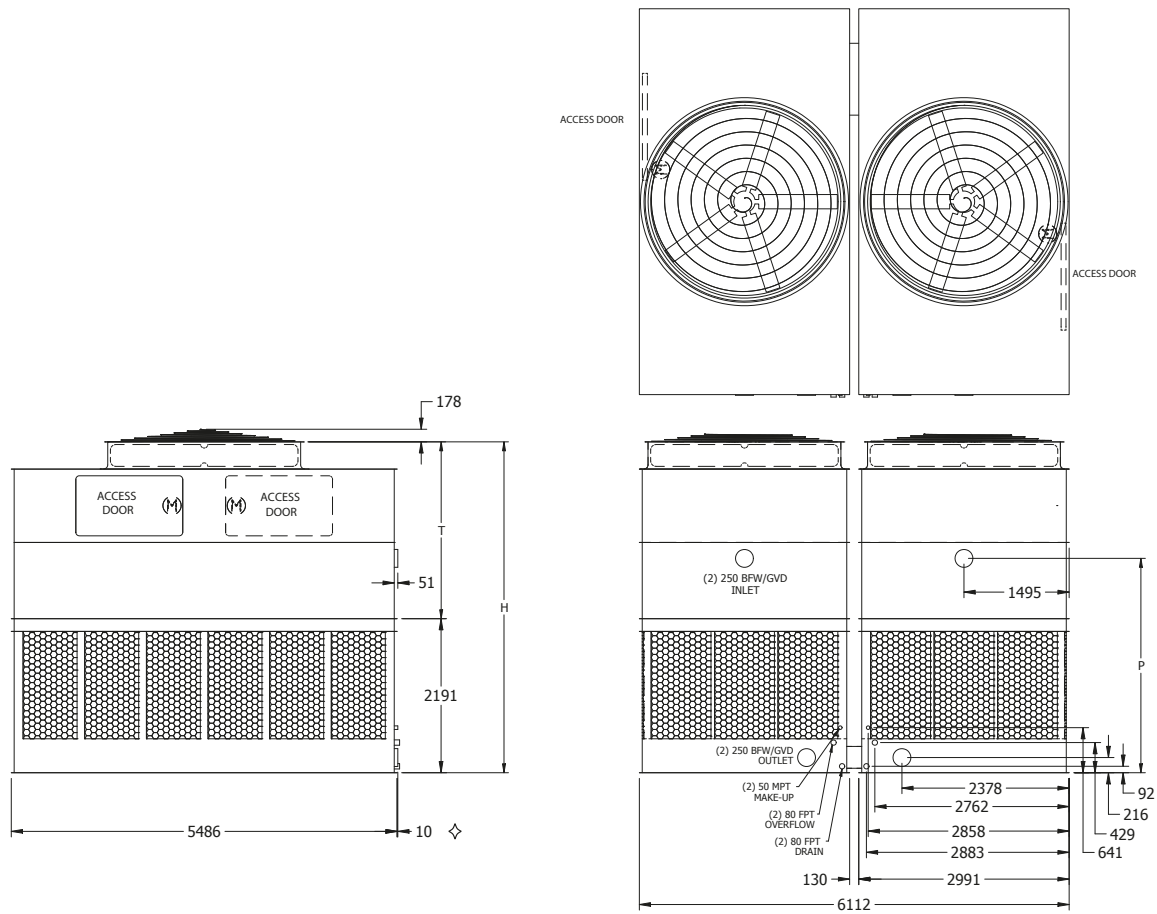
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29.4°C leaving water temperature and 25.6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.  
\* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.  
◆ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 220-2I18 to 220-4N18

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 220-2I18	8.085	15.710	2.560	(2) 7.5	80,8	4.705	2.515	3.048
AT 220-2J18	8.145	15.770	2.590	(2) 11	91,9	4.705	2.515	3.048
AT 220-2K18	8.190	15.815	2.615	(2) 15	100,7	4.705	2.515	3.048
AT 220-2L18	8.235	15.860	2.635	(2) 18.5	108,1	4.705	2.515	3.048
AT 220-2M18	8.330	15.955	2.680	(2) 22	114,6	4.705	2.515	3.048
AT 220-3I18	8.710	16.335	2.870	(2) 7.5	79,6	5.010	2.819	3.353
AT 220-3J18	8.770	16.395	2.905	(2) 11	90,5	5.010	2.819	3.353
AT 220-3K18	8.820	16.445	2.925	(2) 15	99,1	5.010	2.819	3.353
AT 220-3L18	8.865	16.490	2.950	(2) 18.5	106,2	5.010	2.819	3.353
AT 220-3M18	8.955	16.580	2.995	(2) 22	112,5	5.010	2.819	3.353
AT 220-3N18	9.180	16.805	3.105	(2) 30	123,1	5.010	2.819	3.353
AT 220-4I18	9.280	16.905	3.155	(2) 7.5	78,2	5.315	3.124	3.658
AT 220-4J18	9.345	16.970	3.190	(2) 11	89,0	5.315	3.124	3.658
AT 220-4K18	9.390	17.015	3.210	(2) 15	97,5	5.315	3.124	3.658
AT 220-4L18	9.435	17.060	3.235	(2) 18.5	104,6	5.315	3.124	3.658
AT 220-4M18	9.525	17.150	3.280	(2) 22	110,8	5.315	3.124	3.658
AT 220-4N18	9.750	17.375	3.395	(2) 30	121,2	5.315	3.124	3.658
SLSF Addition*	635	635	318			546	546	

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

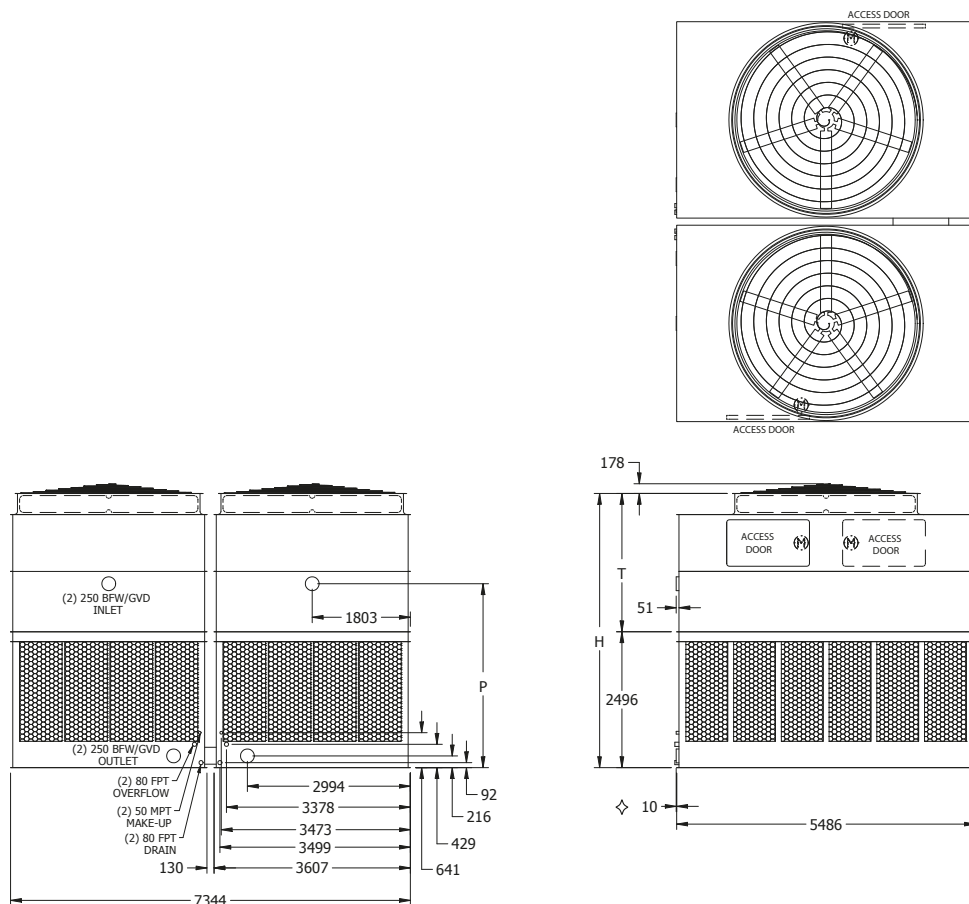
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.  
\* Additional weight and dimensions for optional SLSF.

◆ Heaviest section is upper section.  
✦ Please consult the factory for additional information regarding shipping and section weight changes.



# Models: AT/UAT 224-2J18 to 224-4P18

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 224-2J18	9.455	17.860	3.040	(2) 11	103,5	5.036	2.540	3.378
AT 224-2K18	9.505	17.915	3.065	(2) 15	113,4	5.036	2.540	3.378
AT 224-2L18	9.555	17.960	3.090	(2) 18,5	121,9	5.036	2.540	3.378
AT 224-2M18	9.650	18.060	3.140	(2) 22	129,2	5.036	2.540	3.378
AT 224-2N18	9.890	18.300	3.255	(2) 30	141,5	5.036	2.540	3.378
AT 224-3J18	10.160	18.570	3.395	(2) 11	102,0	5.340	2.845	3.683
AT 224-3K18	10.215	18.625	3.420	(2) 15	111,6	5.340	2.845	3.683
AT 224-3L18	10.260	18.670	3.445	(2) 18,5	119,8	5.340	2.845	3.683
AT 224-3M18	10.360	18.770	3.495	(2) 22	126,9	5.340	2.845	3.683
AT 224-3N18	10.595	19.005	3.610	(2) 30	138,8	5.340	2.845	3.683
AT 224-3O18	10.650	19.060	3.640	(2) 37	149,0	5.340	2.845	3.683
AT 224-4J18	10.830	19.240	3.730	(2) 11	100,3	5.645	3.150	3.988
AT 224-4K18	10.885	19.295	3.755	(2) 15	109,8	5.645	3.150	3.988
AT 224-4L18	10.930	19.340	3.780	(2) 18,5	117,9	5.645	3.150	3.988
AT 224-4M18	11.030	19.440	3.830	(2) 22	124,8	5.645	3.150	3.988
AT 224-4N18	11.265	19.675	3.945	(2) 30	136,5	5.645	3.150	3.988
AT 224-4O18	11.320	19.730	3.975	(2) 37	146,3	5.645	3.150	3.988
AT 224-4P18	11.420	19.830	4.025	(2) 45	155,0	5.645	3.150	3.988
SLSF Addition*	1.089	1.089	544			394	394	

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.

† Height includes fan guard which ships factory mounted.

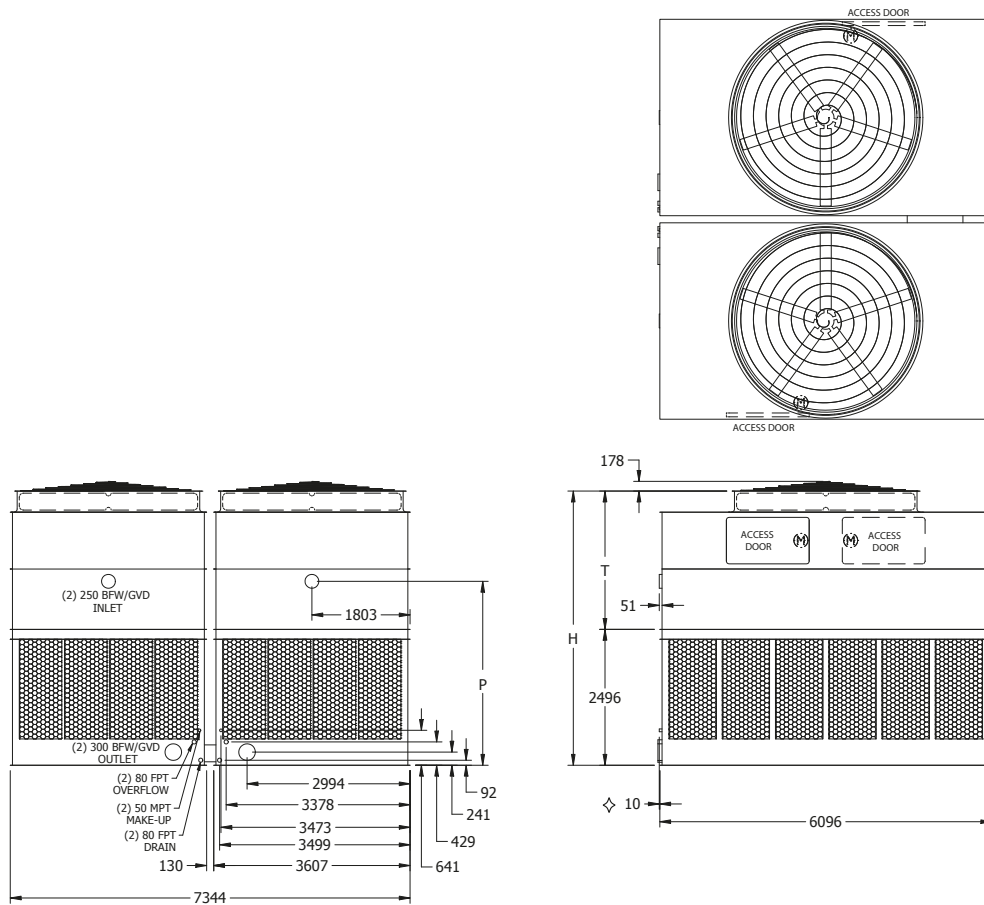
\* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.

◆ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 224-2K20 to 224-4P20

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 224-2K20	10.115	19.550	3.270	(2) 15	115,3	5.036	2.540	3.378
AT 224-2L20	10.160	19.595	3.295	(2) 18.5	123,7	5.036	2.540	3.378
AT 224-2M20	10.260	19.695	3.345	(2) 22	131,2	5.036	2.540	3.378
AT 224-2N20	10.495	19.930	3.460	(2) 30	143,5	5.036	2.540	3.378
AT 224-2O20	10.550	19.985	3.490	(2) 37	153,9	5.036	2.540	3.378
AT 224-3K20	10.775	20.210	3.600	(2) 15	113,4	5.340	2.845	3.683
AT 224-3L20	10.825	20.255	3.625	(2) 18.5	121,7	5.340	2.845	3.683
AT 224-3M20	10.925	20.355	3.675	(2) 22	128,8	5.340	2.845	3.683
AT 224-3N20	11.160	20.595	3.790	(2) 30	140,8	5.340	2.845	3.683
AT 224-3O20	11.215	20.650	3.820	(2) 37	150,9	5.340	2.845	3.683
AT 224-4K20	11.595	21.030	4.010	(2) 15	111,5	5.645	3.150	3.988
AT 224-4L20	11.640	21.075	4.030	(2) 18.5	119,6	5.645	3.150	3.988
AT 224-4M20	11.740	21.175	4.080	(2) 22	126,7	5.645	3.150	3.988
AT 224-4N20	11.975	21.410	4.200	(2) 30	138,6	5.645	3.150	3.988
AT 224-4O20	12.030	21.465	4.225	(2) 37	148,5	5.645	3.150	3.988
AT 224-4P20	12.130	21.565	4.275	(2) 45	157,4	5.645	3.150	3.988
SLSF Addition*	1.089	1.089	544			394	394	

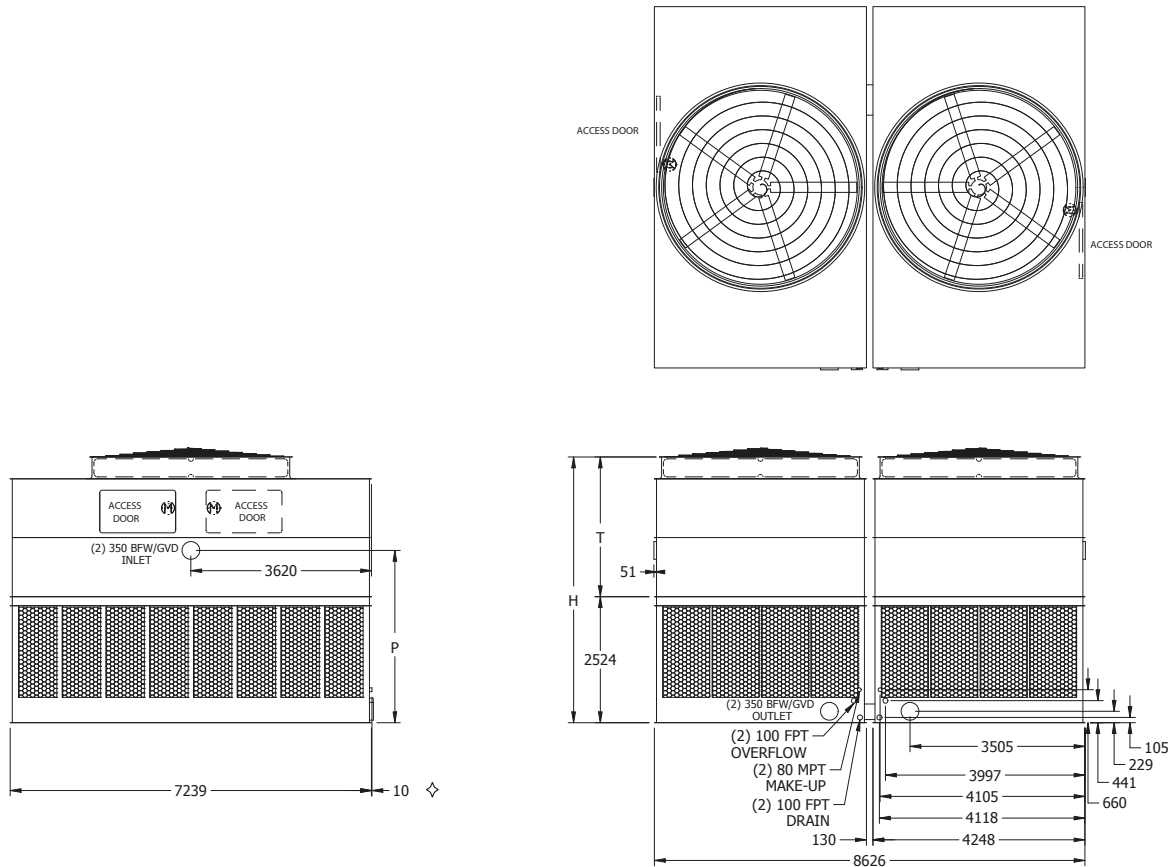
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29.4°C leaving water temperature and 25.6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.  
 ✦ Please consult the factory for additional information regarding shipping and section weight changes

# Models: AT/UAT 228-2K24 to 228-4R24

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 228-2K24	14.660	29.040	4.810	(2) 15	147,4	5.324	2.800	3.451
AT 228-2L24	14.705	29.085	4.830	(2) 18.5	158,2	5.324	2.800	3.451
AT 228-2M24	14.725	29.100	4.840	(2) 22	167,7	5.324	2.800	3.451
AT 228-2N24	14.860	29.240	4.910	(2) 30	184,0	5.324	2.800	3.451
AT 228-2O24	15.175	29.555	5.065	(2) 37	197,7	5.324	2.800	3.451
AT 228-3K24	15.605	29.980	5.280	(2) 15	145,2	5.629	3.105	3.756
AT 228-3L24	15.650	30.030	5.300	(2) 18.5	155,7	5.629	3.105	3.756
AT 228-3M24	15.665	30.045	5.310	(2) 22	165,1	5.629	3.105	3.756
AT 228-3N24	15.805	30.180	5.380	(2) 30	180,8	5.629	3.105	3.756
AT 228-3O24	16.120	30.500	5.540	(2) 37	194,0	5.629	3.105	3.756
AT 228-3P24	16.275	30.655	5.615	(2) 45	205,3	5.629	3.105	3.756
AT 228-4K24	16.545	30.925	5.750	(2) 15	142,6	5.934	3.410	4.061
AT 228-4L24	16.590	30.970	5.775	(2) 18.5	153,0	5.934	3.410	4.061
AT 228-4M24	16.610	30.990	5.785	(2) 22	162,2	5.934	3.410	4.061
AT 228-4N24	16.745	31.125	5.850	(2) 30	177,7	5.934	3.410	4.061
AT 228-4O24	17.065	31.445	6.010	(2) 37	190,9	5.934	3.410	4.061
AT 228-4P24	17.220	31.595	6.085	(2) 45	202,0	5.934	3.410	4.061
AT 228-4Q24	17.435	31.815	6.195	(2) 55	216,6	5.934	3.410	4.061
AT 228-4R24*	17.835	32.215	6.395	(2) 75	237,3	5.934	3.410	4.061
SLSF Addition**	1.134	1.134	567			343	343	

\* Model available with gear drive only. Motors and access doors located on 4.248 mm unit end. Super Low Sound Fan is not available on this unit.

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.

† Height includes fan guard which ships factory mounted.

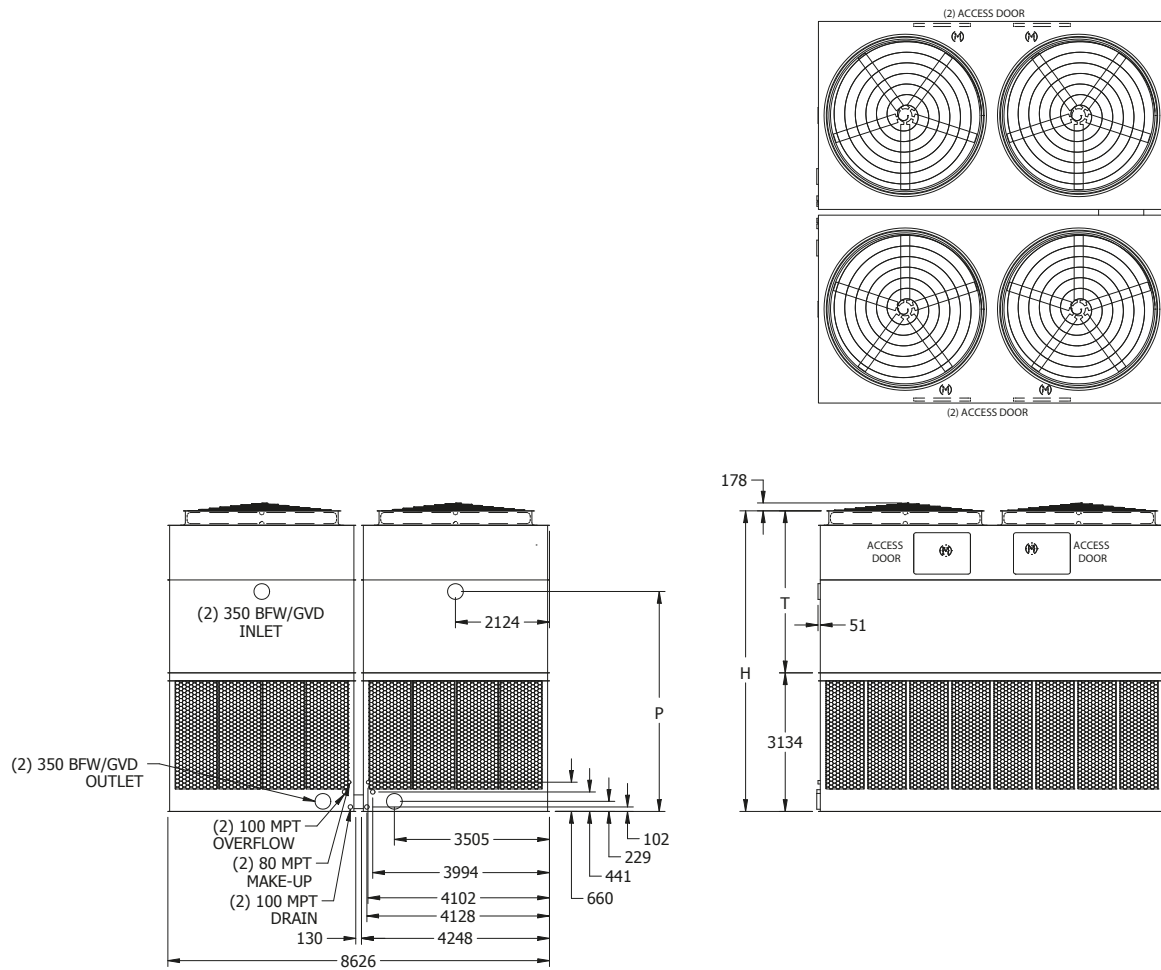
\*\* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.

◆ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 228-5K26 to 228-5O26

## Two-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 228-5K26	22.200	37.465	8.010	(4) 15	185,0	6.795	3.661	4.972
AT 228-5L26	22.255	37.520	8.040	(4) 18.5	198,4	6.795	3.661	4.972
AT 228-5M26	22.345	37.610	8.085	(4) 22	210,1	6.795	3.661	4.972
AT 228-5N26	22.635	37.900	8.230	(4) 30	229,7	6.795	3.661	4.972
AT 228-5O26	22.650	37.920	8.235	(4) 37	246,2	6.795	3.661	4.972
SLSF Addition*	♣	2.177	♣			394	394	

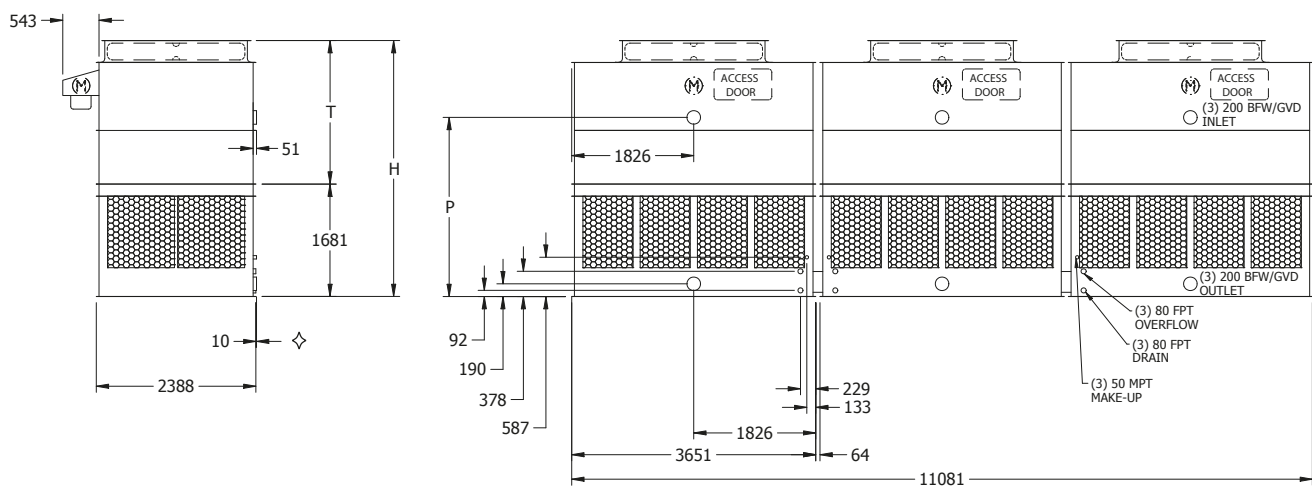
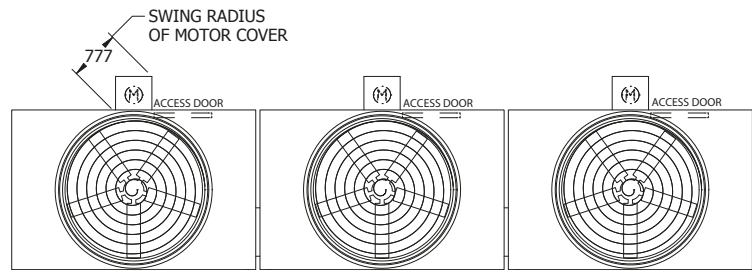
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

- ◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

- ♣ Heaviest section is upper section.  
 ♣ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 38-2H36 to 38-4L36

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 38-2H36	6.450	11.405	1.440	(3) 5.5	67,4	3.829	2.146	2.680
AT 38-2I36	6.490	11.445	1.455	(3) 7.5	73,8	3.829	2.146	2.680
AT 38-2J36	6.585	11.540	1.490	(3) 11	84,0	3.829	2.146	2.680
AT 38-2K36	6.655	11.605	1.510	(3) 15	92,0	3.829	2.146	2.680
AT 38-3H36	6.900	11.850	1.590	(3) 5.5	66,4	4.134	2.451	2.985
AT 38-3I36	6.940	11.895	1.605	(3) 7.5	72,6	4.134	2.451	2.985
AT 38-3J36	7.035	11.990	1.635	(3) 11	82,4	4.134	2.451	2.985
AT 38-3K36	7.105	12.055	1.660	(3) 15	90,2	4.134	2.451	2.985
AT 38-3L36	7.145	12.095	1.675	(3) 18.5	96,9	4.134	2.451	2.985
AT 38-4H36	7.390	12.340	1.755	(3) 5.5	65,1	4.439	2.756	3.289
AT 38-4I36	7.430	12.385	1.770	(3) 7.5	71,3	4.439	2.756	3.289
AT 38-4J36	7.525	12.480	1.800	(3) 11	81,1	4.439	2.756	3.289
AT 38-4K36	7.595	12.545	1.825	(3) 15	88,7	4.439	2.756	3.289
AT 38-4L36	7.635	12.585	1.835	(3) 18.5	95,2	4.439	2.756	3.289
SLSF Addition*	204	204	68			533	533	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

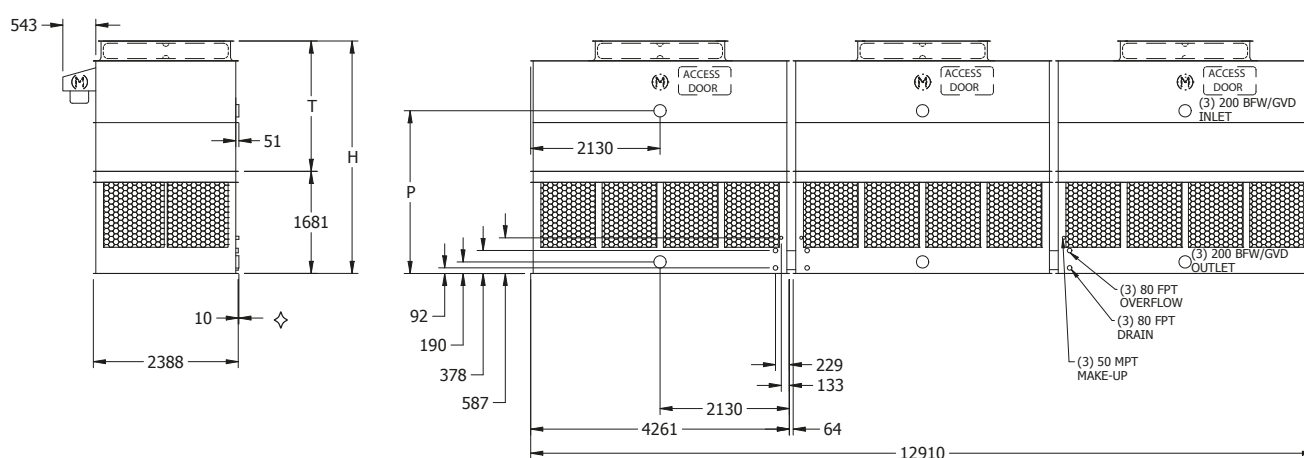
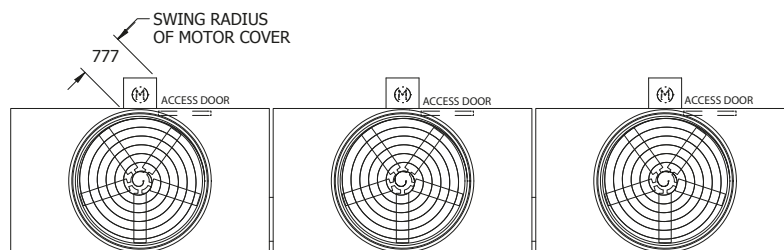
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 38-2H42 to 38-4M42

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 38-2H42	7.020	12.830	1.545	(3) 5.5	75,2	3.829	2.146	2.680
AT 38-2I42	7.060	12.875	1.560	(3) 7.5	82,4	3.829	2.146	2.680
AT 38-2J42	7.160	12.970	1.590	(3) 11	93,6	3.829	2.146	2.680
AT 38-2K42	7.225	13.035	1.615	(3) 15	102,5	3.829	2.146	2.680
AT 38-2L42	7.265	13.075	1.630	(3) 18.5	110,0	3.829	2.146	2.680
AT 38-3H42	7.540	13.350	1.720	(3) 5.5	73,9	4.134	2.451	2.985
AT 38-3I42	7.580	13.390	1.735	(3) 7.5	80,9	4.134	2.451	2.985
AT 38-3J42	7.675	13.485	1.765	(3) 11	92,0	4.134	2.451	2.985
AT 38-3K42	7.745	13.555	1.785	(3) 15	100,6	4.134	2.451	2.985
AT 38-3L42	7.785	13.595	1.800	(3) 18.5	107,9	4.134	2.451	2.985
AT 38-3M42	7.810	13.620	1.810	(3) 22	114,4	4.134	2.451	2.985
AT 38-4H42	8.095	13.905	1.905	(3) 5.5	72,5	4.439	2.756	3.289
AT 38-4I42	8.135	13.950	1.920	(3) 7.5	79,4	4.439	2.756	3.289
AT 38-4J42	8.235	14.045	1.950	(3) 11	90,4	4.439	2.756	3.289
AT 38-4K42	8.300	14.110	1.975	(3) 15	98,9	4.439	2.756	3.289
AT 38-4L42	8.340	14.150	1.985	(3) 18.5	106,0	4.439	2.756	3.289
AT 38-4M42	8.370	14.180	1.995	(3) 22	112,4	4.439	2.756	3.289
SLSF Addition*	204	204	68			533	533	

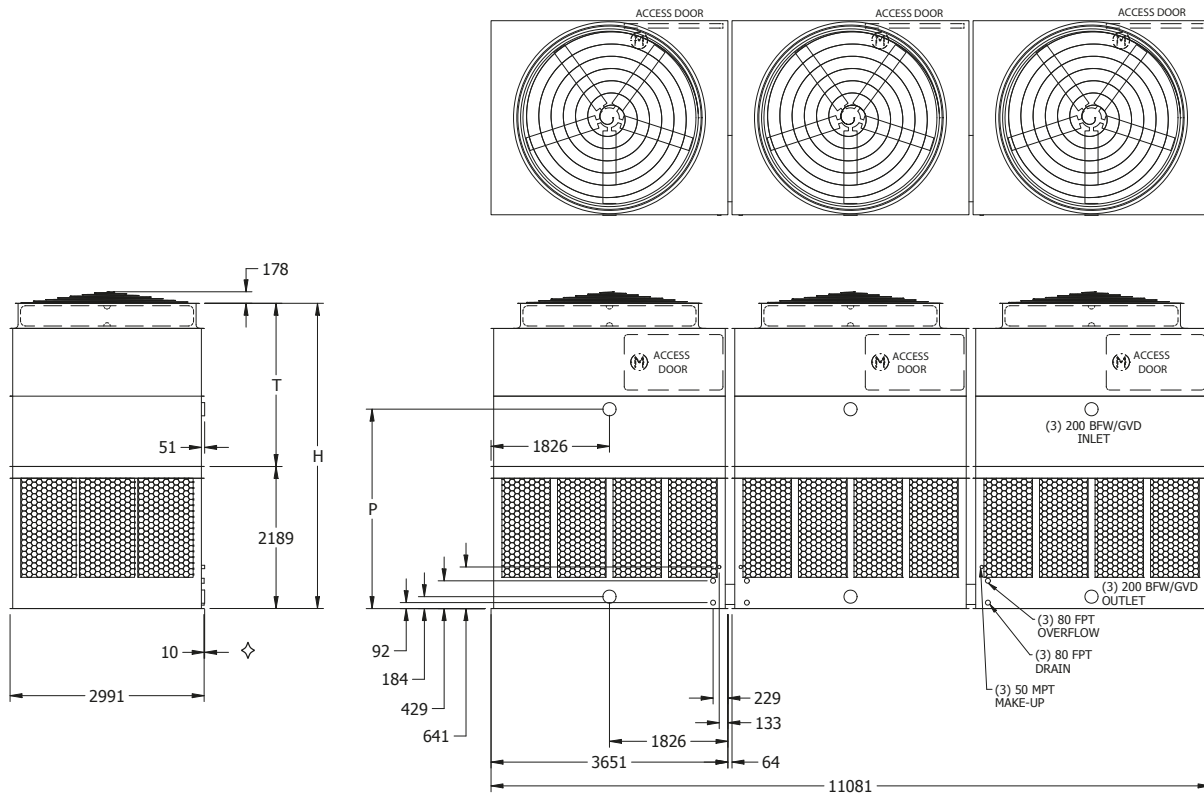
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

‡ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 310-2I36 to 310-4N36

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 310-2I36	8.790	16.330	1.905	(3) 7.5	91,7	4.705	2.515	3.073
AT 310-2J36	8.885	16.425	1.935	(3) 11	104,2	4.705	2.515	3.073
AT 310-2K36	8.955	16.495	1.960	(3) 15	114,2	4.705	2.515	3.073
AT 310-2L36	9.020	16.560	1.980	(3) 18.5	122,7	4.705	2.515	3.073
AT 310-2M36	9.160	16.695	2.030	(3) 22	130,0	4.705	2.515	3.073
AT 310-3I36	9.445	16.980	2.125	(3) 7.5	90,2	5.010	2.819	3.378
AT 310-3J36	9.540	17.080	2.155	(3) 11	102,5	5.010	2.819	3.378
AT 310-3K36	9.605	17.145	2.175	(3) 15	112,1	5.010	2.819	3.378
AT 310-3L36	9.675	17.215	2.200	(3) 18.5	120,3	5.010	2.819	3.378
AT 310-3M36	9.810	17.350	2.245	(3) 22	127,5	5.010	2.819	3.378
AT 310-4I36	10.015	17.555	2.315	(3) 7.5	88,8	5.315	3.124	3.683
AT 310-4J36	10.110	17.650	2.345	(3) 11	100,9	5.315	3.124	3.683
AT 310-4K36	10.180	17.715	2.370	(3) 15	110,4	5.315	3.124	3.683
AT 310-4L36	10.245	17.785	2.390	(3) 18.5	118,5	5.315	3.124	3.683
AT 310-4M36	10.385	17.920	2.435	(3) 22	125,4	5.315	3.124	3.683
AT 310-4N36	10.725	18.260	2.550	(3) 26	131,6	5.315	3.124	3.683
SLSF Addition*	953	953	318			546	546	

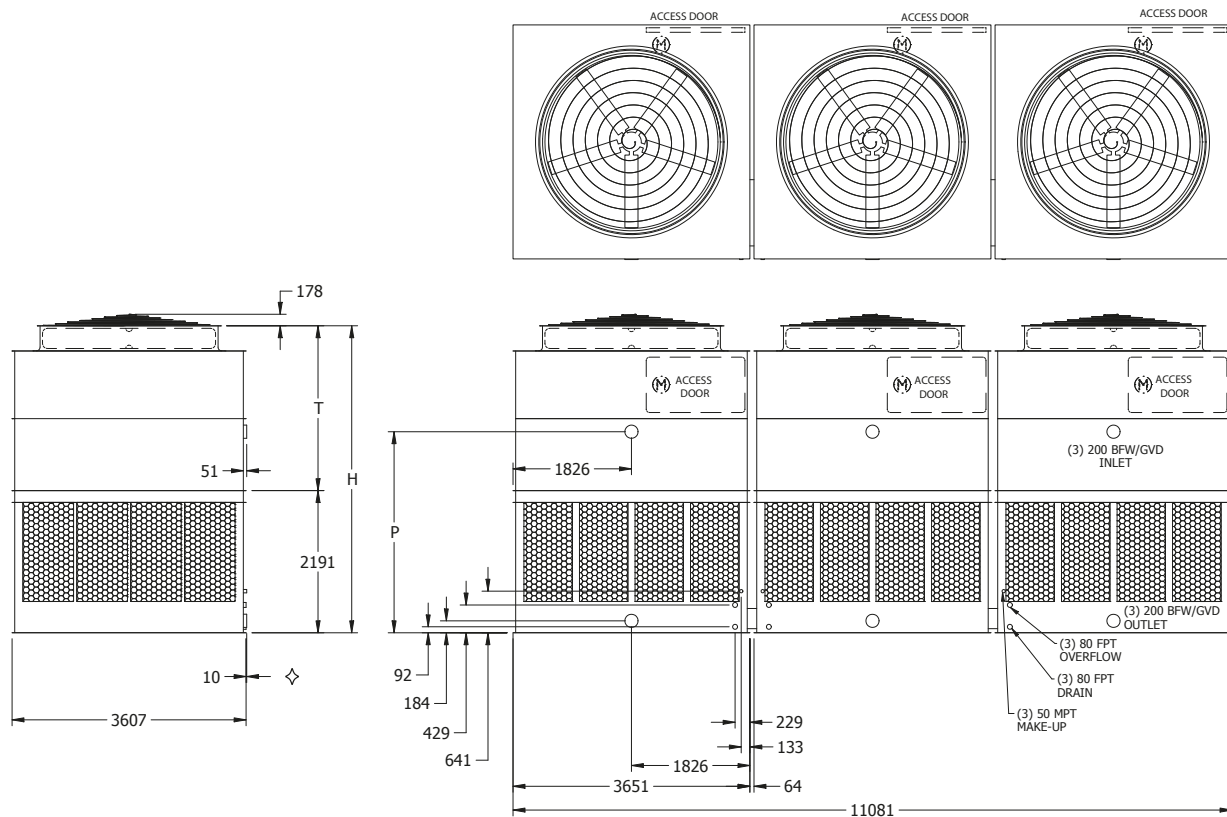
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 312-2I36 to 312-4N36

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 312-2I36	10.345	18.800	2.235	(3) 7.5	102,3	4.731	2.540	3.099
AT 312-2J36	10.445	18.895	2.270	(3) 11	116,3	4.731	2.540	3.099
AT 312-2K36	10.510	18.960	2.290	(3) 15	127,5	4.731	2.540	3.099
AT 312-2L36	10.580	19.030	2.315	(3) 18.5	136,9	4.731	2.540	3.099
AT 312-2M36	10.715	19.165	2.360	(3) 22	145,0	4.731	2.540	3.099
AT 312-3I36	11.080	19.535	2.480	(3) 7.5	100,8	5.036	2.845	3.404
AT 312-3J36	11.175	19.630	2.515	(3) 11	114,4	5.036	2.845	3.404
AT 312-3K36	11.245	19.695	2.535	(3) 15	125,2	5.036	2.845	3.404
AT 312-3L36	11.315	19.765	2.560	(3) 18.5	134,3	5.036	2.845	3.404
AT 312-3M36	11.450	19.900	2.605	(3) 22	142,2	5.036	2.845	3.404
AT 312-4I36	11.750	20.200	2.705	(3) 7.5	99,1	5.340	3.150	3.708
AT 312-4J36	11.845	20.295	2.735	(3) 11	112,6	5.340	3.150	3.708
AT 312-4K36	11.910	20.365	2.760	(3) 15	123,2	5.340	3.150	3.708
AT 312-4L36	11.980	20.430	2.780	(3) 18.5	132,1	5.340	3.150	3.708
AT 312-4M36	12.115	20.565	2.825	(3) 22	139,8	5.340	3.150	3.708
AT 312-4N36	12.455	20.905	2.940	(3) 30	153,0	5.340	3.150	3.708
SLSF Addition*	953	953	318			546	546	

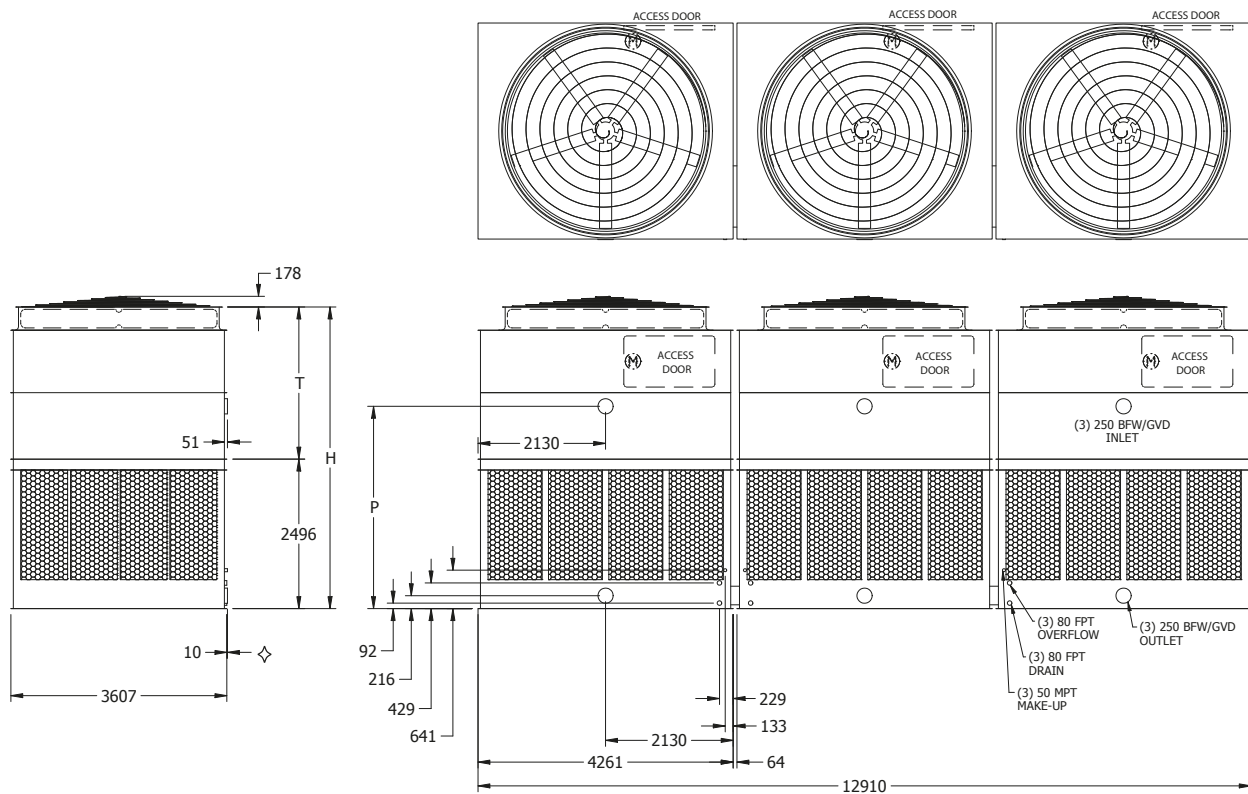
NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.

♦ Heaviest section is upper section.  
 \* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 312-2I42 to 312-4N42

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 312-2I42	11.595	21.570	2.430	(3) 7.5	111,1	5.036	2.540	3.378
AT 312-2I42	11.690	21.665	2.465	(3) 11	126,4	5.036	2.540	3.378
AT 312-2K42	11.770	21.745	2.490	(3) 15	138,6	5.036	2.540	3.378
AT 312-2L42	11.850	21.825	2.515	(3) 18.5	148,8	5.036	2.540	3.378
AT 312-2M42	11.950	21.920	2.550	(3) 22	157,6	5.036	2.540	3.378
AT 312-3I42	12.490	22.465	2.730	(3) 7.5	109,4	5.340	2.845	3.683
AT 312-3I42	12.585	22.560	2.760	(3) 11	124,3	5.340	2.845	3.683
AT 312-3K42	12.670	22.645	2.790	(3) 15	136,2	5.340	2.845	3.683
AT 312-3L42	12.750	22.725	2.815	(3) 18.5	146,1	5.340	2.845	3.683
AT 312-3M42	12.845	22.820	2.850	(3) 22	154,6	5.340	2.845	3.683
AT 312-3N42	13.200	23.175	2.965	(3) 30	169,4	5.340	2.845	3.683
AT 312-4I42	13.200	23.175	2.965	(3) 7.5	107,6	5.645	3.150	3.988
AT 312-4I42	13.295	23.270	3.000	(3) 11	122,3	5.645	3.150	3.988
AT 312-4K42	13.375	23.350	3.025	(3) 15	134,0	5.645	3.150	3.988
AT 312-4L42	13.460	23.435	3.055	(3) 18.5	143,8	5.645	3.150	3.988
AT 312-4M42	13.555	23.530	3.085	(3) 22	152,2	5.645	3.150	3.988
AT 312-4N42	13.905	23.880	3.200	(3) 30	166,4	5.645	3.150	3.988
SLSF Addition*	953	953	318			546	546	

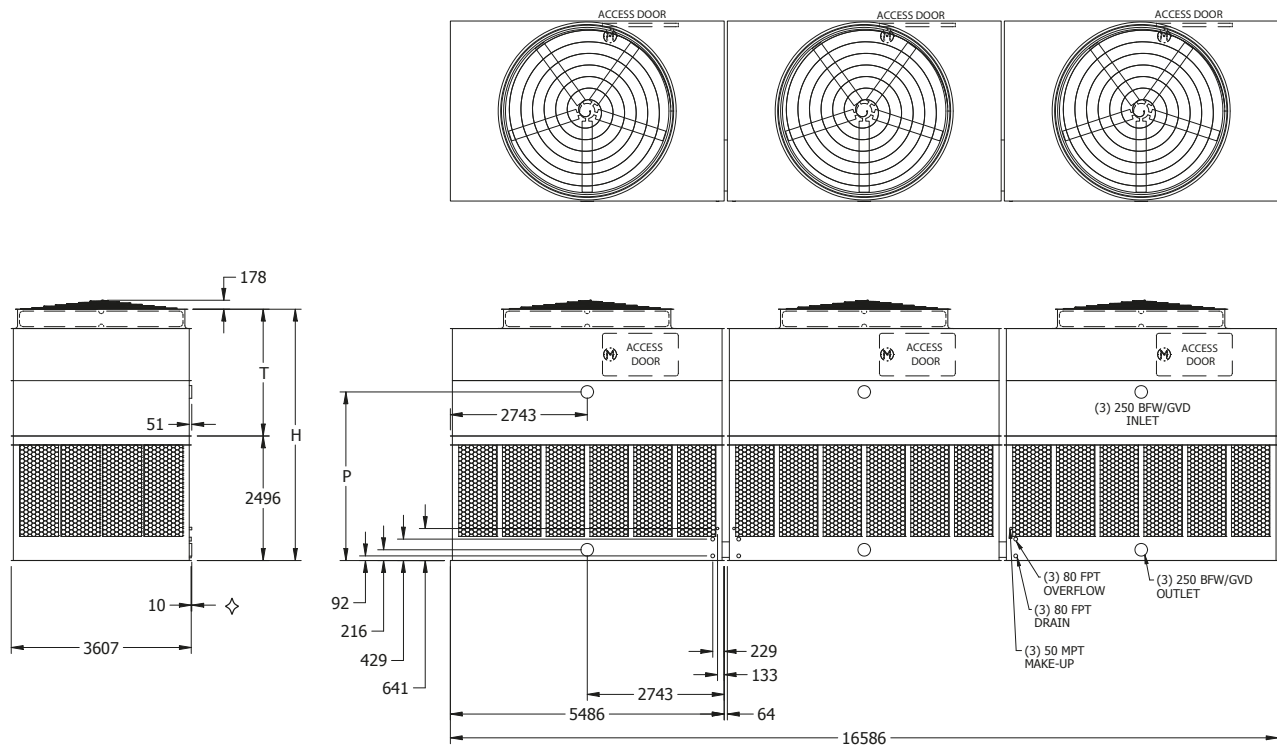
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 312-2J54 to 312-4P54

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 312-2J54	14.795	27.410	3.040	(3) 11	156,0	5.036	2.540	3.378
AT 312-2K54	14.880	27.495	3.065	(3) 15	170,8	5.036	2.540	3.378
AT 312-2L54	14.945	27.560	3.090	(3) 18.5	183,6	5.036	2.540	3.378
AT 312-2M54	15.095	27.710	3.140	(3) 22	194,6	5.036	2.540	3.378
AT 312-2N54	15.450	28.065	3.255	(3) 30	213,2	5.036	2.540	3.378
AT 312-3J54	15.860	28.475	3.395	(3) 11	153,7	5.340	2.845	3.683
AT 312-3K54	15.940	28.555	3.420	(3) 15	168,1	5.340	2.845	3.683
AT 312-3L54	16.010	28.625	3.445	(3) 18.5	180,4	5.340	2.845	3.683
AT 312-3M54	16.160	28.770	3.495	(3) 22	191,1	5.340	2.845	3.683
AT 312-3N54	16.510	29.125	3.610	(3) 30	209,1	5.340	2.845	3.683
AT 312-3O54	16.595	29.210	3.640	(3) 37	224,5	5.340	2.845	3.683
AT 312-4J54	16.865	29.480	3.730	(3) 11	151,1	5.645	3.150	3.988
AT 312-4K54	16.945	29.560	3.755	(3) 15	165,4	5.645	3.150	3.988
AT 312-4L54	17.015	29.630	3.780	(3) 18.5	177,6	5.645	3.150	3.988
AT 312-4M54	17.165	29.780	3.830	(3) 22	188,1	5.645	3.150	3.988
AT 312-4N54	17.520	30.135	3.945	(3) 30	205,7	5.645	3.150	3.988
AT 312-4O54	17.600	30.215	3.975	(3) 37	220,4	5.645	3.150	3.988
AT 312-4P54	17.750	30.365	4.025	(3) 45	233,5	5.645	3.150	3.988
SLSF Addition*	1.633	1.633	544			394	394	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

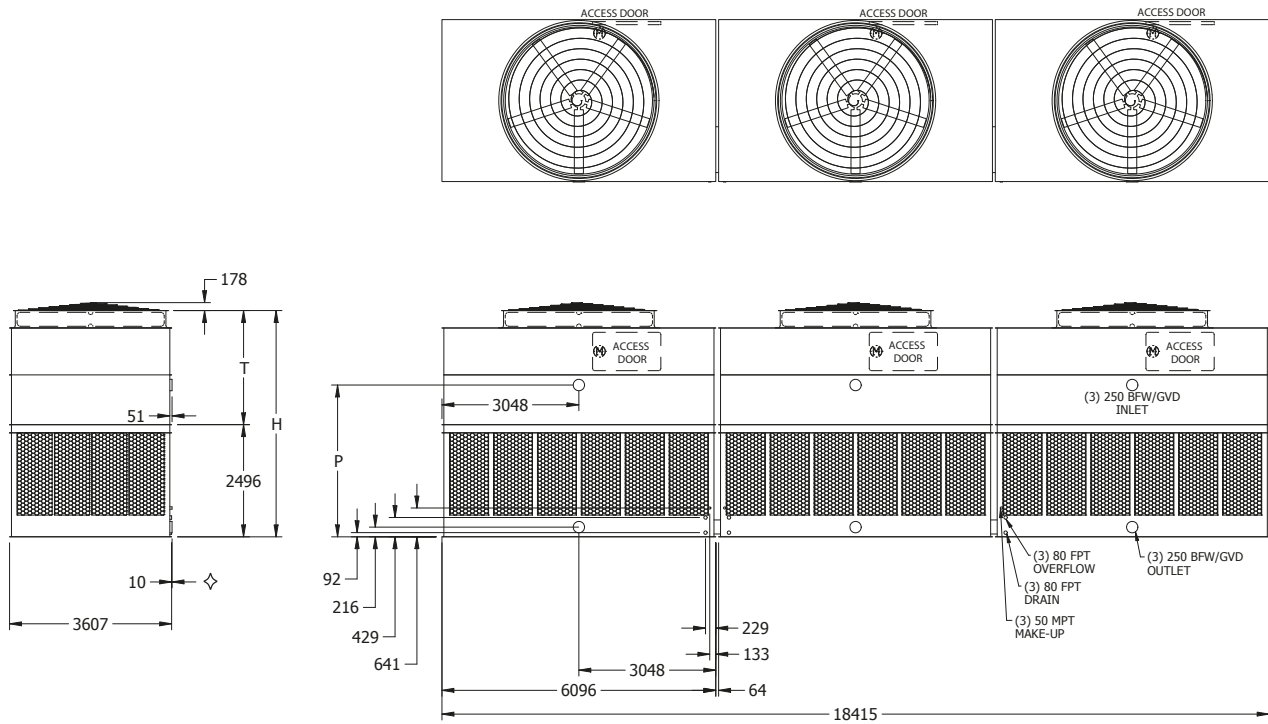
◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.



# Models: AT/UAT 312-2K60 to 312-4P60

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 312-2K60	15.820	29.970	3.270	(3) 15	174,5	5.036	2.540	3.378
AT 312-2L60	15.885	30.040	3.295	(3) 18.5	187,3	5.036	2.540	3.378
AT 312-2M60	16.035	30.185	3.345	(3) 22	198,5	5.036	2.540	3.378
AT 312-2N60	16.390	30.540	3.460	(3) 30	217,1	5.036	2.540	3.378
AT 312-2O60	16.470	30.625	3.490	(3) 37	233,0	5.036	2.540	3.378
AT 312-3K60	16.810	30.965	3.600	(3) 15	171,6	5.340	2.845	3.683
AT 312-3L60	16.880	31.030	3.625	(3) 18.5	184,1	5.340	2.845	3.683
AT 312-3M60	17.030	31.180	3.675	(3) 22	194,9	5.340	2.845	3.683
AT 312-3N60	17.385	31.535	3.790	(3) 30	213,0	5.340	2.845	3.683
AT 312-3O60	17.465	31.615	3.820	(3) 37	228,4	5.340	2.845	3.683
AT 312-4K60	18.035	32.190	4.010	(3) 15	168,8	5.645	3.150	3.988
AT 312-4L60	18.105	32.255	4.030	(3) 18.5	181,1	5.645	3.150	3.988
AT 312-4M60	18.255	32.405	4.080	(3) 22	191,8	5.645	3.150	3.988
AT 312-4N60	18.605	32.760	4.200	(3) 30	209,7	5.645	3.150	3.988
AT 312-4O60	18.690	32.840	4.225	(3) 37	224,7	5.645	3.150	3.988
AT 312-4P60	18.840	32.990	4.275	(3) 45	238,1	5.645	3.150	3.988
SLSF Addition*	1.633	1.633	544			394	394	

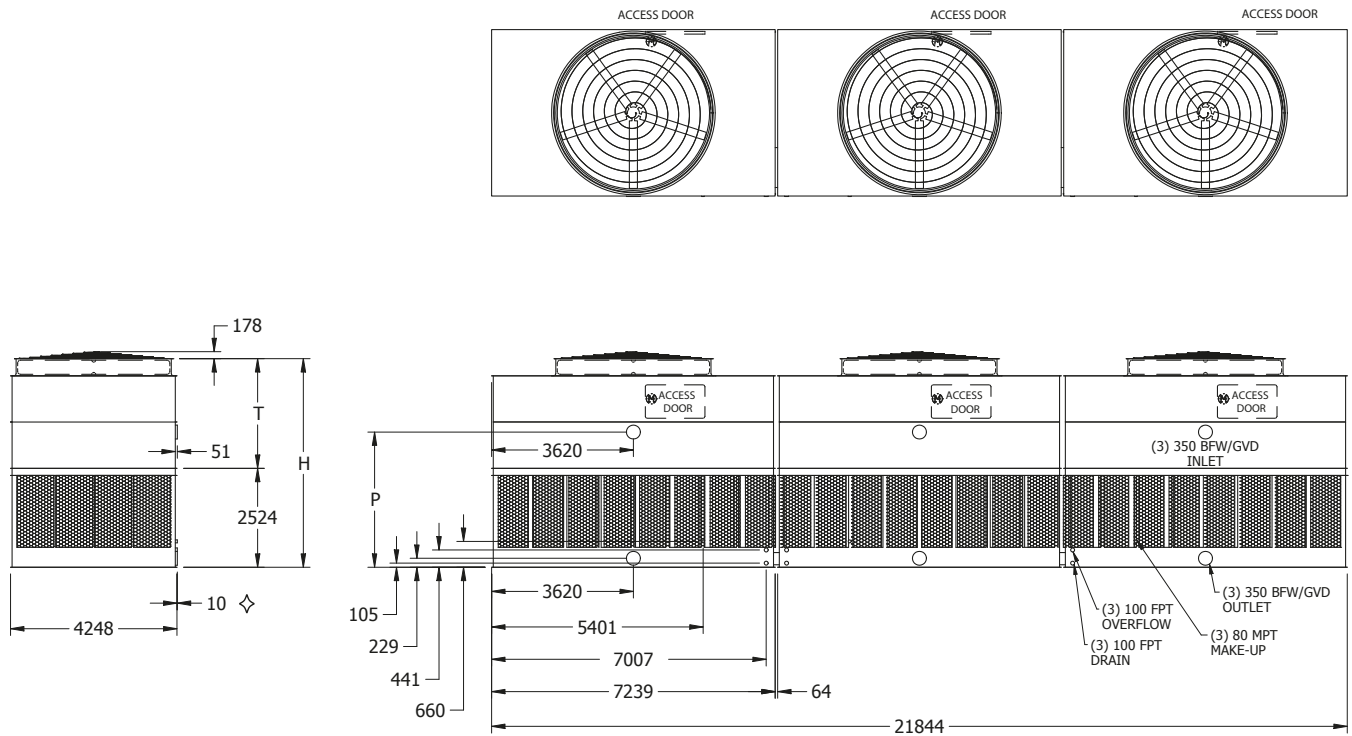
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

‡ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 314-2K72 to 314-4Q72

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 314-2K72	24.195	45.765	4.810	(3) 15	220,4	5.324	2.800	3.451
AT 314-2L72	24.265	45.830	4.830	(3) 18.5	236,6	5.324	2.800	3.451
AT 314-2M72	24.290	45.860	4.840	(3) 22	250,9	5.324	2.800	3.451
AT 314-2N72	24.495	46.060	4.910	(3) 30	275,2	5.324	2.800	3.451
AT 314-2O72	24.970	46.540	5.065	(3) 37	295,6	5.324	2.800	3.451
AT 314-3K72	25.610	47.180	5.280	(3) 15	217,1	5.629	3.105	3.756
AT 314-3L72	25.680	47.245	5.300	(3) 18.5	232,9	5.629	3.105	3.756
AT 314-3M72	25.705	47.275	5.310	(3) 22	246,9	5.629	3.105	3.756
AT 314-3N72	25.910	47.480	5.380	(3) 30	270,3	5.629	3.105	3.756
AT 314-3O72	26.385	47.955	5.540	(3) 37	290,1	5.629	3.105	3.756
AT 314-3P72	26.615	48.185	5.615	(3) 45	307,1	5.629	3.105	3.756
AT 314-4K72	27.025	48.595	5.750	(3) 15	213,2	5.934	3.410	4.061
AT 314-4L72	27.095	48.660	5.775	(3) 18.5	228,8	5.934	3.410	4.061
AT 314-4M72	27.120	48.690	5.785	(3) 22	242,6	5.934	3.410	4.061
AT 314-4N72	27.325	48.895	5.850	(3) 30	265,8	5.934	3.410	4.061
AT 314-4O72	27.800	49.370	6.010	(3) 37	285,4	5.934	3.410	4.061
AT 314-4P72	28.030	49.600	6.085	(3) 45	302,2	5.934	3.410	4.061
AT 314-4Q72	28.360	49.925	6.195	(3) 55	323,9	5.934	3.410	4.061
SLSF Addition*	1.701	1.701	567			343	343	

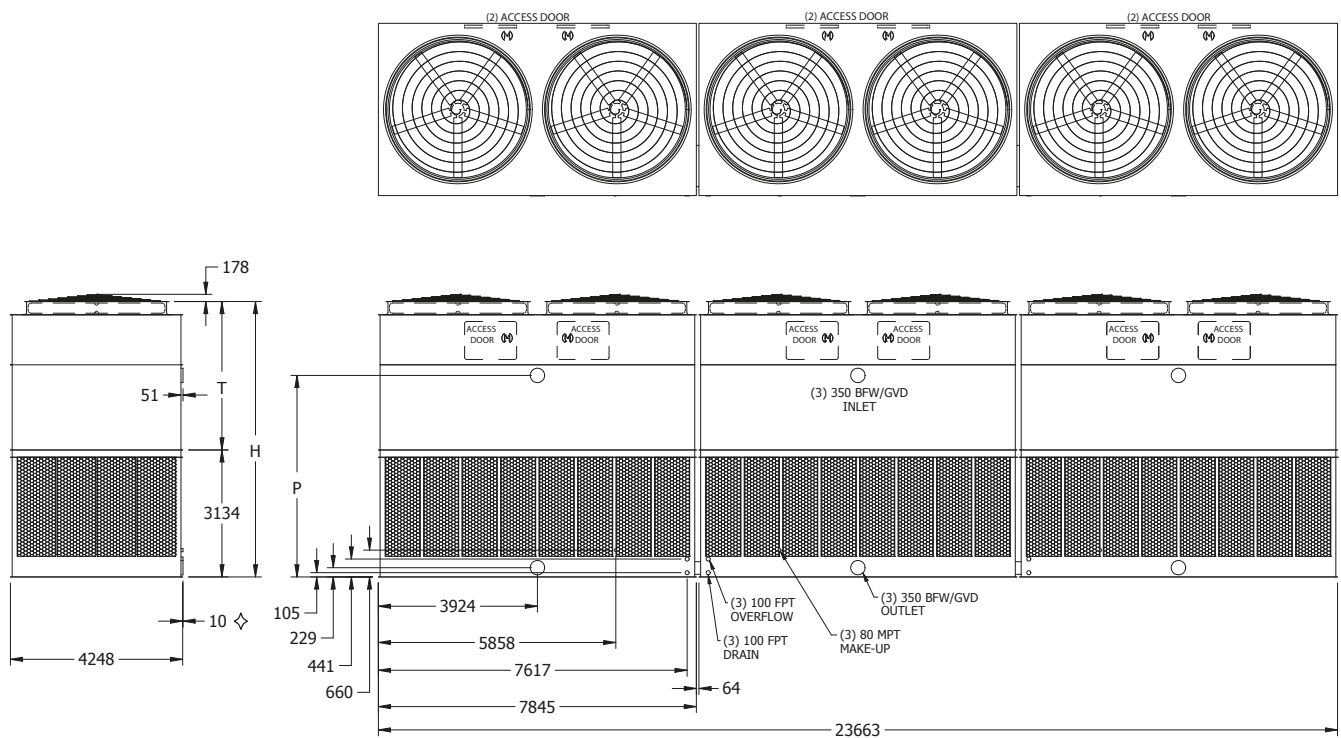
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29.4°C leaving water temperature and 25.6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

◆ Heaviest section is upper section.  
\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 314-5K78 to 314-5O78

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 314-5K78	33.395	56.295	8.010	(6) 15	276,7	6.795	3.661	4.972
AT 314-5L78	33.475	56.375	8.040	(6) 18.5	296,8	6.795	3.661	4.972
AT 314-5M78	33.610	56.515	8.085	(6) 22	314,2	6.795	3.661	4.972
AT 314-5N78	34.045	56.950	8.230	(6) 30	343,6	6.795	3.661	4.972
AT 314-5O78	34.075	56.975	8.235	(6) 37	368,3	6.795	3.661	4.972
SLSF Addition*	✱	3.266	✱			394	394	

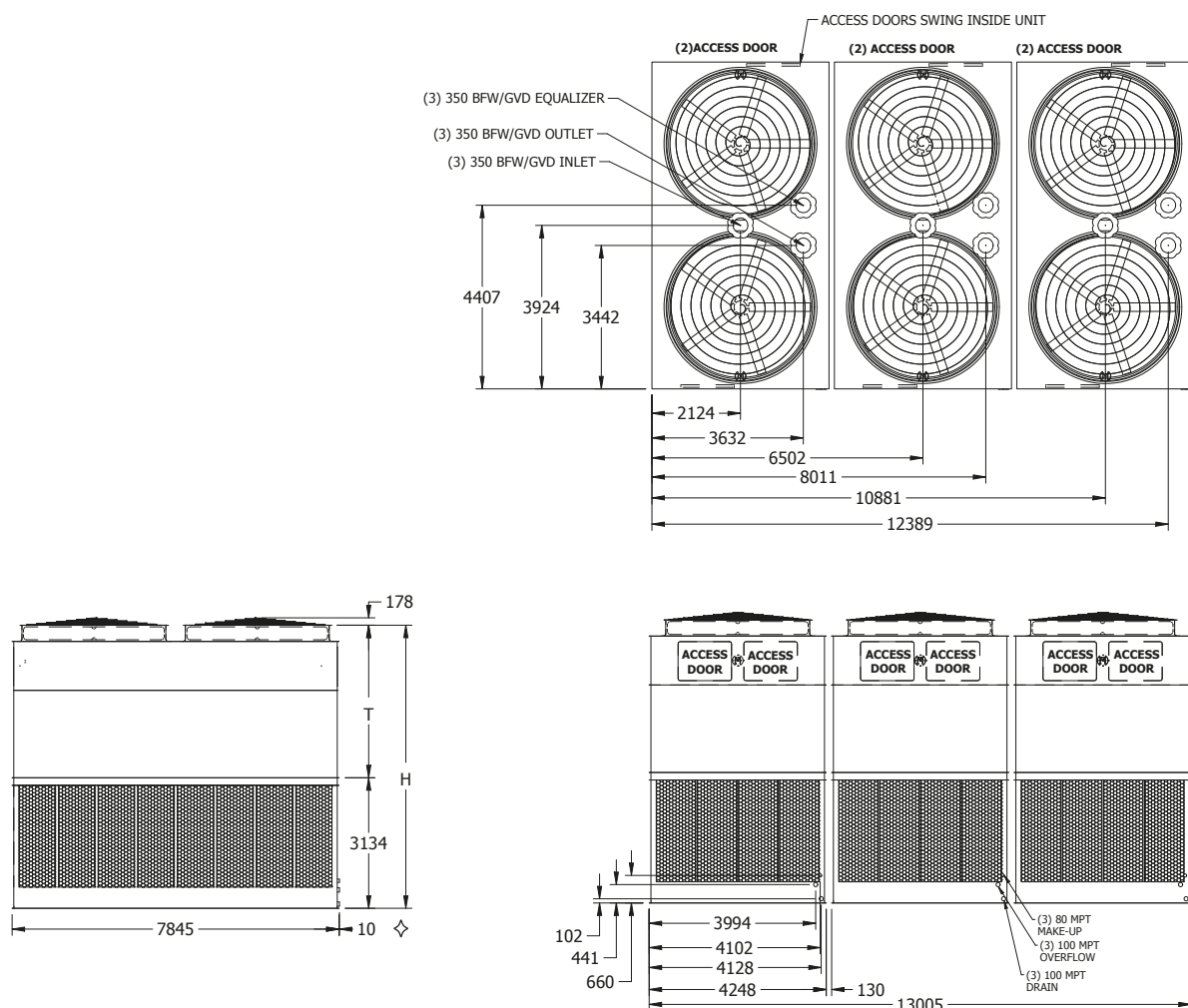
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

✱ Heaviest section is upper section.  
 ✱ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 342-5K26 to 342-5O26

## Three-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)	
	Shipping	Operating	Heaviest Section†			H†	T†
AT 342-5K26	33.300	56.200	8.010	(6) 15	277,8	6.795	3.661
AT 342-5L26	33.380	56.280	8.040	(6) 18.5	298,0	6.795	3.661
AT 342-5M26	33.515	56.420	8.085	(6) 22	315,5	6.795	3.661
AT 342-5N26	33.950	56.855	8.230	(6) 30	345,1	6.795	3.661
AT 342-5O26	33.980	56.880	8.235	(6) 37	369,9	6.795	3.661
SLSF Addition*	❖	3.266	❖			394	394

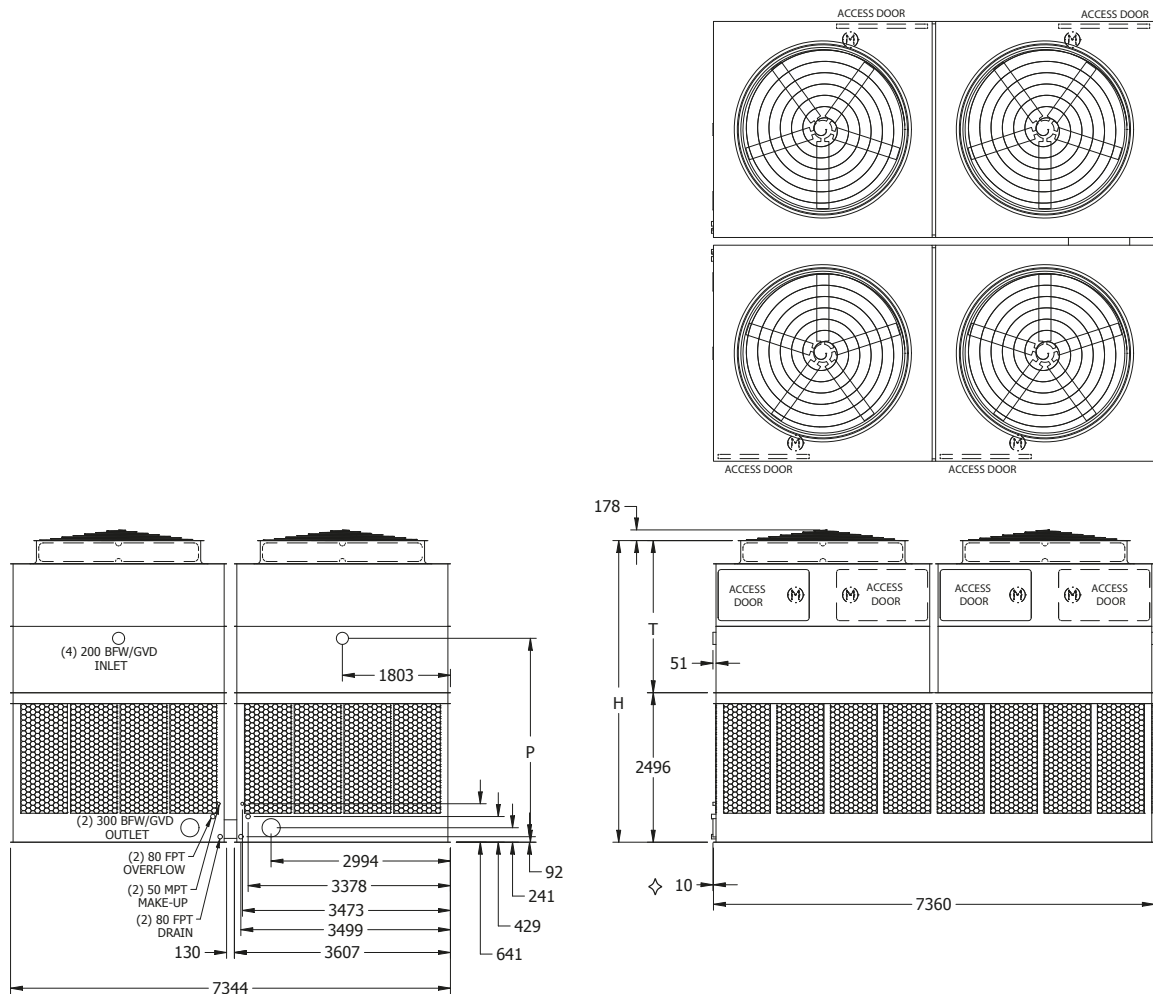
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

‡ Heaviest section is upper section.  
 ❖ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 424-2I24 to 424-4N24

## Four-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 424-2I24	13.370	24.650	2.275	(4) 7.5	133,8	5.036	2.540	3.404
AT 424-2J24	13.625	24.900	2.275	(4) 11	152,1	5.036	2.540	3.404
AT 424-2K24	13.715	24.995	2.290	(4) 15	166,8	5.036	2.540	3.404
AT 424-2L24	13.805	25.085	2.315	(4) 18.5	179,1	5.036	2.540	3.404
AT 424-2M24	13.990	25.265	2.360	(4) 22	189,7	5.036	2.540	3.404
AT 424-3I24	14.350	25.630	2.450	(4) 7.5	131,8	5.340	2.845	3.708
AT 424-3J24	14.605	25.880	2.515	(4) 11	149,6	5.340	2.845	3.708
AT 424-3K24	14.695	25.975	2.535	(4) 15	163,8	5.340	2.845	3.708
AT 424-3L24	14.785	26.065	2.560	(4) 18.5	175,7	5.340	2.845	3.708
AT 424-3M24	14.970	26.245	2.605	(4) 22	186,0	5.340	2.845	3.708
AT 424-4I24	15.240	26.515	2.670	(4) 7.5	129,5	5.645	3.150	4.013
AT 424-4J24	15.495	26.770	2.735	(4) 11	147,2	5.645	3.150	4.013
AT 424-4K24	15.585	26.860	2.760	(4) 15	161,2	5.645	3.150	4.013
AT 424-4L24	15.675	26.950	2.780	(4) 18.5	172,8	5.645	3.150	4.013
AT 424-4M24	15.860	27.135	2.825	(4) 22	182,9	5.645	3.150	4.013
AT 424-4N24	16.310	27.585	2.940	(4) 30	200,2	5.645	3.150	4.013
SLSF Addition*	❖	2.177	❖			546	546	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

❖ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

\* Additional weight and dimensions for optional SLSF.

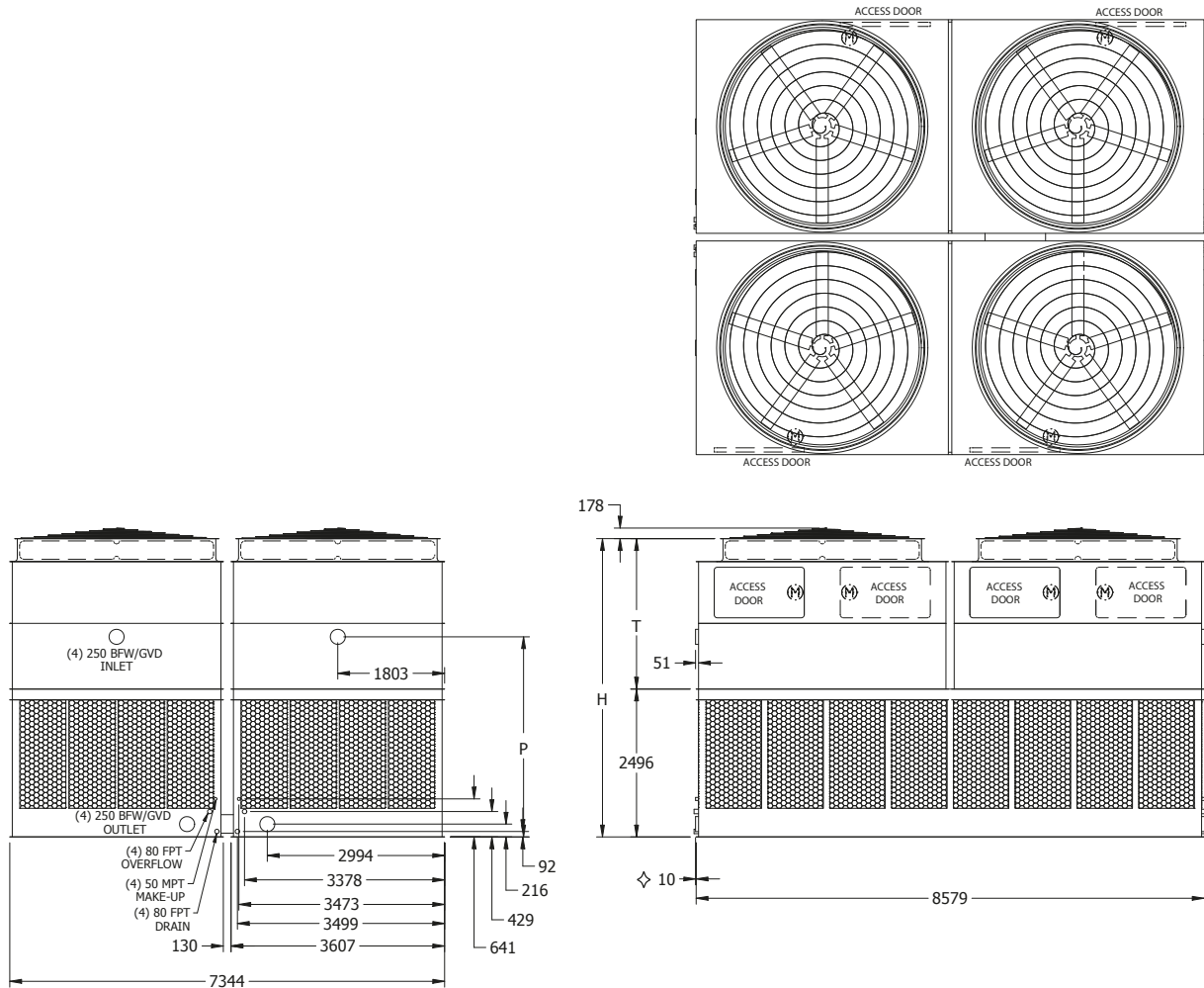
‡ L=Lower Section, U=Upper Section

❖ Please consult the factory for additional information regarding shipping and section weight changes.



# Models: AT/UAT 424-2I28 to 424-4N28

## Four-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 424-2I28	14.825	28.185	2.615	(4) 7.5	141,3	5.036	2.540	3.378
AT 424-2J28	15.075	28.440	2.615	(4) 11	160,6	5.036	2.540	3.378
AT 424-2K28	15.185	28.550	2.615	(4) 15	176,0	5.036	2.540	3.378
AT 424-2L28	15.295	28.660	2.615	(4) 18.5	188,9	5.036	2.540	3.378
AT 424-2M28	15.420	28.785	2.615	(4) 22	200,0	5.036	2.540	3.378
AT 424-3I28	16.020	29.385	2.700	(4) 7.5	139,2	5.340	2.845	3.683
AT 424-3J28	16.275	29.640	2.760	(4) 11	158,1	5.340	2.845	3.683
AT 424-3K28	16.385	29.745	2.790	(4) 15	173,0	5.340	2.845	3.683
AT 424-3L28	16.495	29.855	2.815	(4) 18.5	185,6	5.340	2.845	3.683
AT 424-3M28	16.620	29.980	2.850	(4) 22	196,4	5.340	2.845	3.683
AT 424-3N28	17.090	30.455	2.965	(4) 30	215,0	5.340	2.845	3.683
AT 424-4I28	16.965	30.325	2.935	(4) 7.5	136,8	5.645	3.150	3.988
AT 424-4J28	17.220	30.580	3.000	(4) 11	155,6	5.645	3.150	3.988
AT 424-4K28	17.325	30.690	3.025	(4) 15	170,2	5.645	3.150	3.988
AT 424-4L28	17.435	30.800	3.055	(4) 18.5	182,6	5.645	3.150	3.988
AT 424-4M28	17.565	30.925	3.085	(4) 22	193,3	5.645	3.150	3.988
AT 424-4N28	18.035	31.400	3.200	(4) 30	211,4	5.645	3.150	3.988
SLSF Addition*	♣	2.177	♣			546	546	

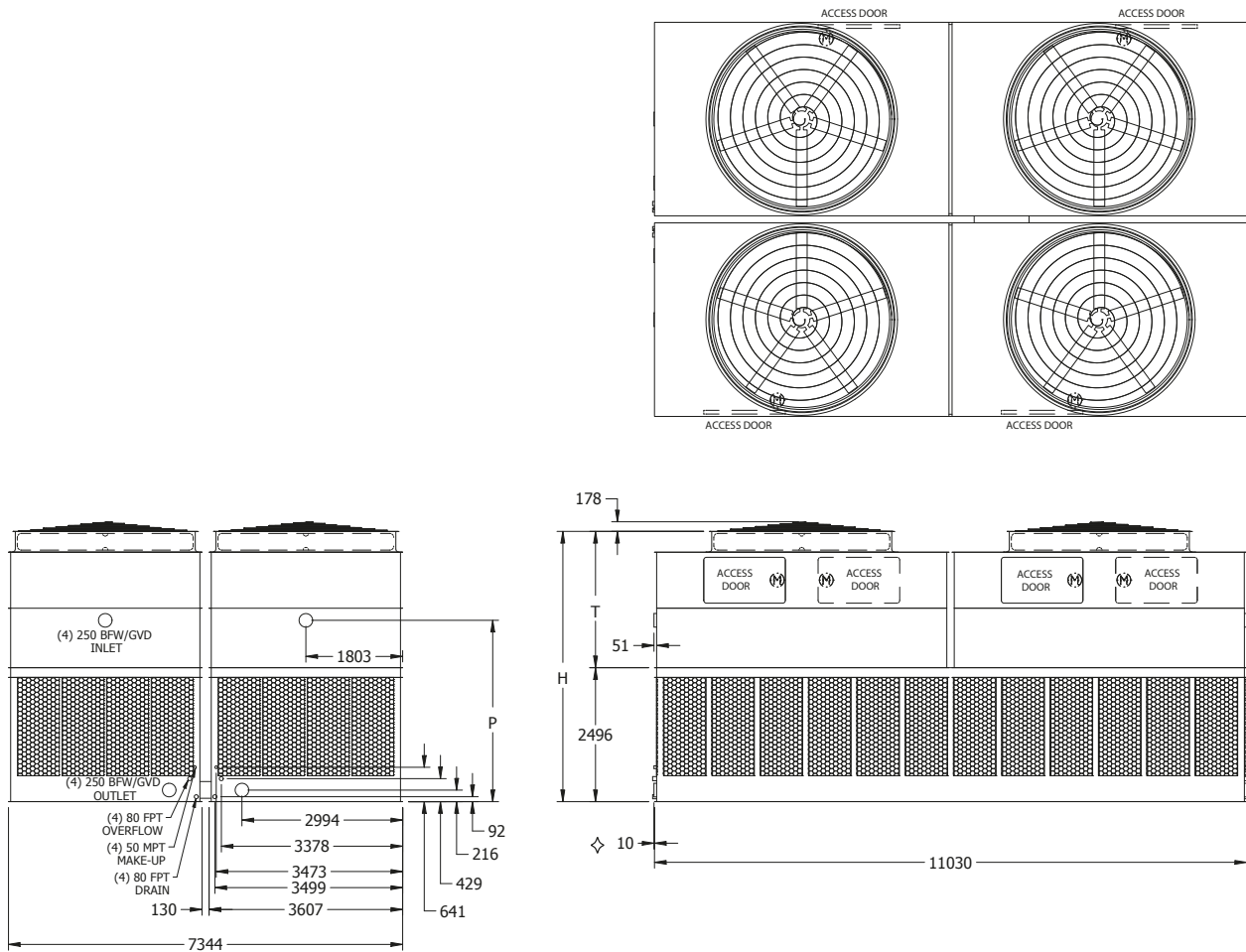
NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.  
\* Additional weight and dimensions for optional SLSF.

◇ L=Lower Section, U=Upper Section  
♣ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 424-2J36 to 424-4P36

## Four-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 424-2J36	18.940	35.850	3.395	(4) 11	199,7	5.036	2.540	3.378
AT 424-2K36	19.050	35.960	3.395	(4) 15	218,7	5.036	2.540	3.378
AT 424-2L36	19.140	36.050	3.395	(4) 18.5	235,0	5.036	2.540	3.378
AT 424-2M36	19.340	36.250	3.395	(4) 22	249,1	5.036	2.540	3.378
AT 424-2N36	19.815	36.725	3.395	(4) 30	273,0	5.036	2.540	3.378
AT 424-3J36	20.355	37.265	3.395	(4) 11	196,8	5.340	2.845	3.683
AT 424-3K36	20.465	37.375	3.420	(4) 15	215,3	5.340	2.845	3.683
AT 424-3L36	20.555	37.465	3.445	(4) 18.5	231,1	5.340	2.845	3.683
AT 424-3M36	20.755	37.665	3.495	(4) 22	244,8	5.340	2.845	3.683
AT 424-3N36	21.230	38.140	3.610	(4) 30	267,8	5.340	2.845	3.683
AT 424-3O36	21.335	38.245	3.640	(4) 37	287,3	5.340	2.845	3.683
AT 424-4J36	21.700	38.610	3.730	(4) 11	193,4	5.645	3.150	3.988
AT 424-4K36	21.810	38.720	3.755	(4) 15	211,8	5.645	3.150	3.988
AT 424-4L36	21.900	38.810	3.780	(4) 18.5	227,4	5.645	3.150	3.988
AT 424-4M36	22.100	39.010	3.830	(4) 22	240,8	5.645	3.150	3.988
AT 424-4N36	22.570	39.480	3.945	(4) 30	263,5	5.645	3.150	3.988
AT 424-4O36	22.680	39.590	3.975	(4) 37	282,4	5.645	3.150	3.988
AT 424-4P36	22.880	39.790	4.025	(4) 45	299,2	5.645	3.150	3.988
SLSF Addition*	♣	2.177	♣			394	394	

- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29.4°C leaving water temperature and 25.6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.

† Height includes fan guard which ships factory mounted.

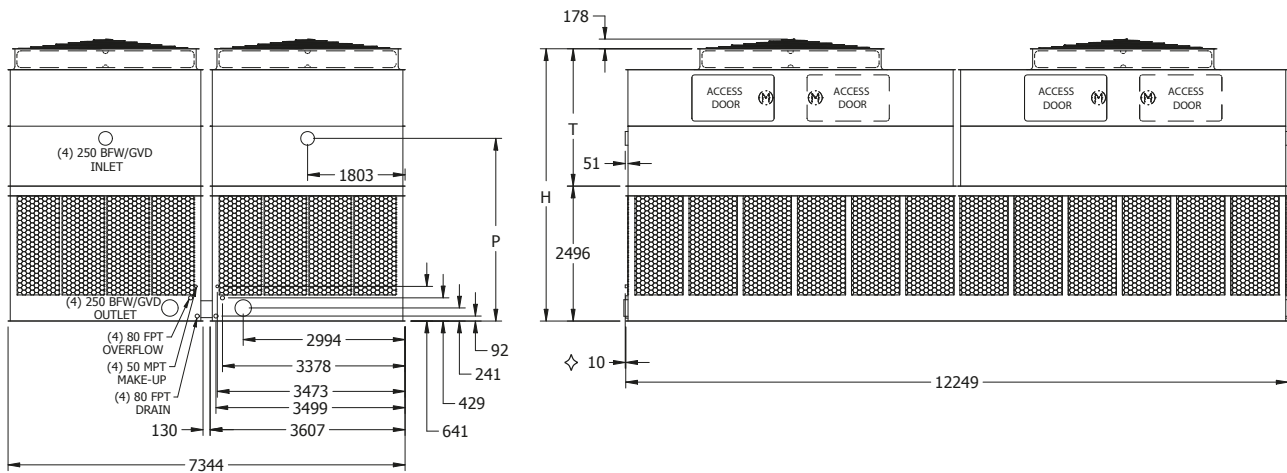
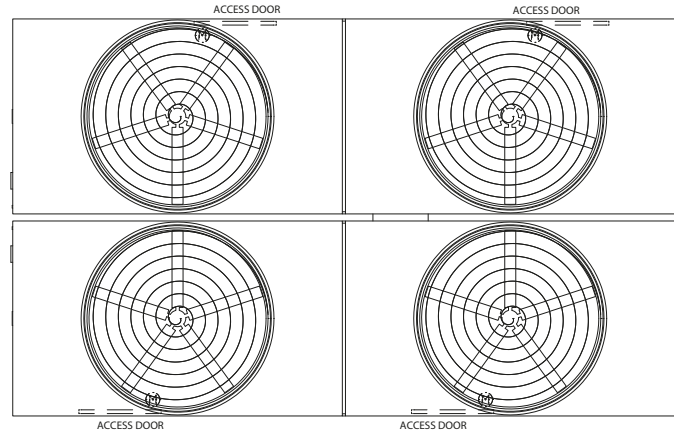
\* Additional weight and dimensions for optional SLSF.

♣ L=Lower Section, U=Upper Section

♣ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 424-2K40 to 424-4P40

## Four-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 424-2K40	20.250	39.200	3.585	(4) 15	222,9	5.036	2.540	3.378
AT 424-2L40	20.340	39.290	3.585	(4) 18.5	239,2	5.036	2.540	3.378
AT 424-2M40	20.540	39.490	3.585	(4) 22	253,4	5.036	2.540	3.378
AT 424-2N40	21.010	39.960	3.585	(4) 30	277,3	5.036	2.540	3.378
AT 424-2O40	21.120	40.070	3.585	(4) 37	297,5	5.036	2.540	3.378
AT 424-3K40	21.575	40.525	3.600	(4) 15	219,2	5.340	2.845	3.683
AT 424-3L40	21.665	40.615	3.625	(4) 18.5	235,2	5.340	2.845	3.683
AT 424-3M40	21.865	40.815	3.675	(4) 22	249,0	5.340	2.845	3.683
AT 424-3N40	22.335	41.285	3.790	(4) 30	272,2	5.340	2.845	3.683
AT 424-3O40	22.445	41.395	3.820	(4) 37	291,8	5.340	2.845	3.683
AT 424-4K40	23.205	42.155	4.010	(4) 15	215,4	5.645	3.150	3.988
AT 424-4L40	23.295	42.250	4.030	(4) 18.5	231,2	5.645	3.150	3.988
AT 424-4M40	23.495	42.445	4.080	(4) 22	244,9	5.645	3.150	3.988
AT 424-4N40	23.970	42.920	4.200	(4) 30	267,9	5.645	3.150	3.988
AT 424-4O40	24.075	43.030	4.225	(4) 37	287,1	5.645	3.150	3.988
AT 424-4P40	24.275	43.225	4.275	(4) 45	304,3	5.645	3.150	3.988
SLSF Addition*	❖	2.177	❖			394		

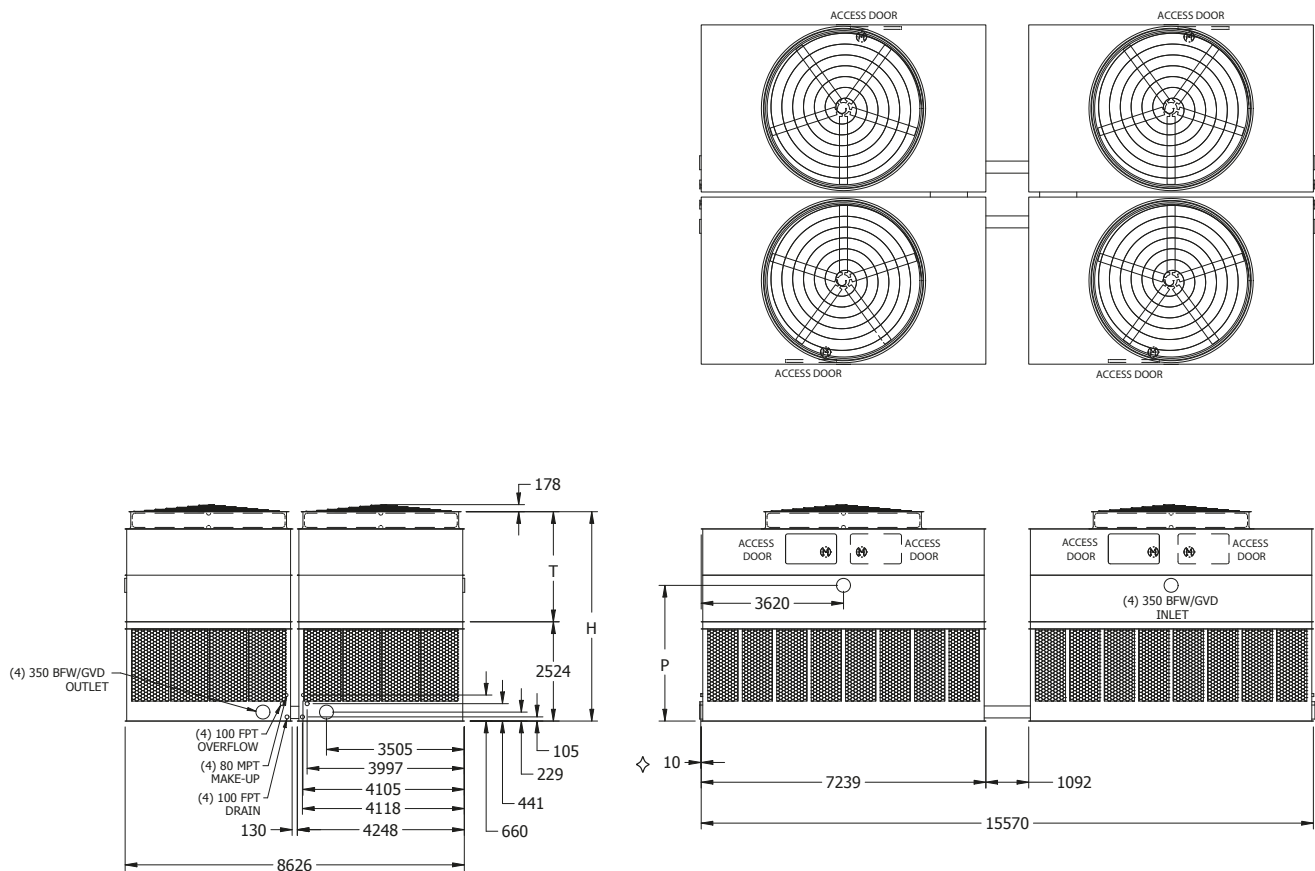
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

‡ L=Lower Section, U=Upper Section  
 ❖ Please consult the factory for additional information regarding shipping and section weight changes.

# Models: AT/UAT 428-2K48 to 428-4R48

## Four-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 428-2K48	29.610	58.370	4.810	(4) 15	281,0	5.324	2.800	3.451
AT 428-2L48	29.700	58.460	4.830	(4) 18.5	301,6	5.324	2.800	3.451
AT 428-2M48	29.740	58.495	4.840	(4) 22	319,8	5.324	2.800	3.451
AT 428-2N48	30.010	58.765	4.910	(4) 30	350,9	5.324	2.800	3.451
AT 428-2O48	30.645	59.400	5.065	(4) 37	376,9	5.324	2.800	3.451
AT 428-3K48	31.495	60.255	5.280	(4) 15	276,7	5.629	3.105	3.756
AT 428-3L48	31.590	60.345	5.300	(4) 18.5	297,0	5.629	3.105	3.756
AT 428-3M48	31.625	60.380	5.310	(4) 22	314,9	5.629	3.105	3.756
AT 428-3N48	31.895	60.655	5.380	(4) 30	344,9	5.629	3.105	3.756
AT 428-3O48	32.530	61.290	5.540	(4) 37	370,1	5.629	3.105	3.756
AT 428-3P48	32.840	61.600	5.615	(4) 45	391,8	5.629	3.105	3.756
AT 428-4K48	33.385	62.140	5.750	(4) 15	271,7	5.934	3.410	4.061
AT 428-4L48	33.475	62.235	5.775	(4) 18.5	291,7	5.934	3.410	4.061
AT 428-4M48	33.510	62.270	5.785	(4) 22	309,3	5.934	3.410	4.061
AT 428-4N48	33.785	62.540	5.850	(4) 30	338,9	5.934	3.410	4.061
AT 428-4O48	34.420	63.175	6.010	(4) 37	364,0	5.934	3.410	4.061
AT 428-4P48	34.725	63.485	6.085	(4) 45	385,5	5.934	3.410	4.061
AT 428-4Q48	35.160	63.920	6.195	(4) 55	413,3	5.934	3.410	4.061
AT 428-4R48*	35.960	64.720	6.395	(4) 75	453,1	5.934	3.410	4.061
SLSF Addition**		2.268	567			343	343	

\* Model available with gear drive only. Motors and access doors located on 4.248 mm unit ends. Super Low Sound Fan is not available on this unit.

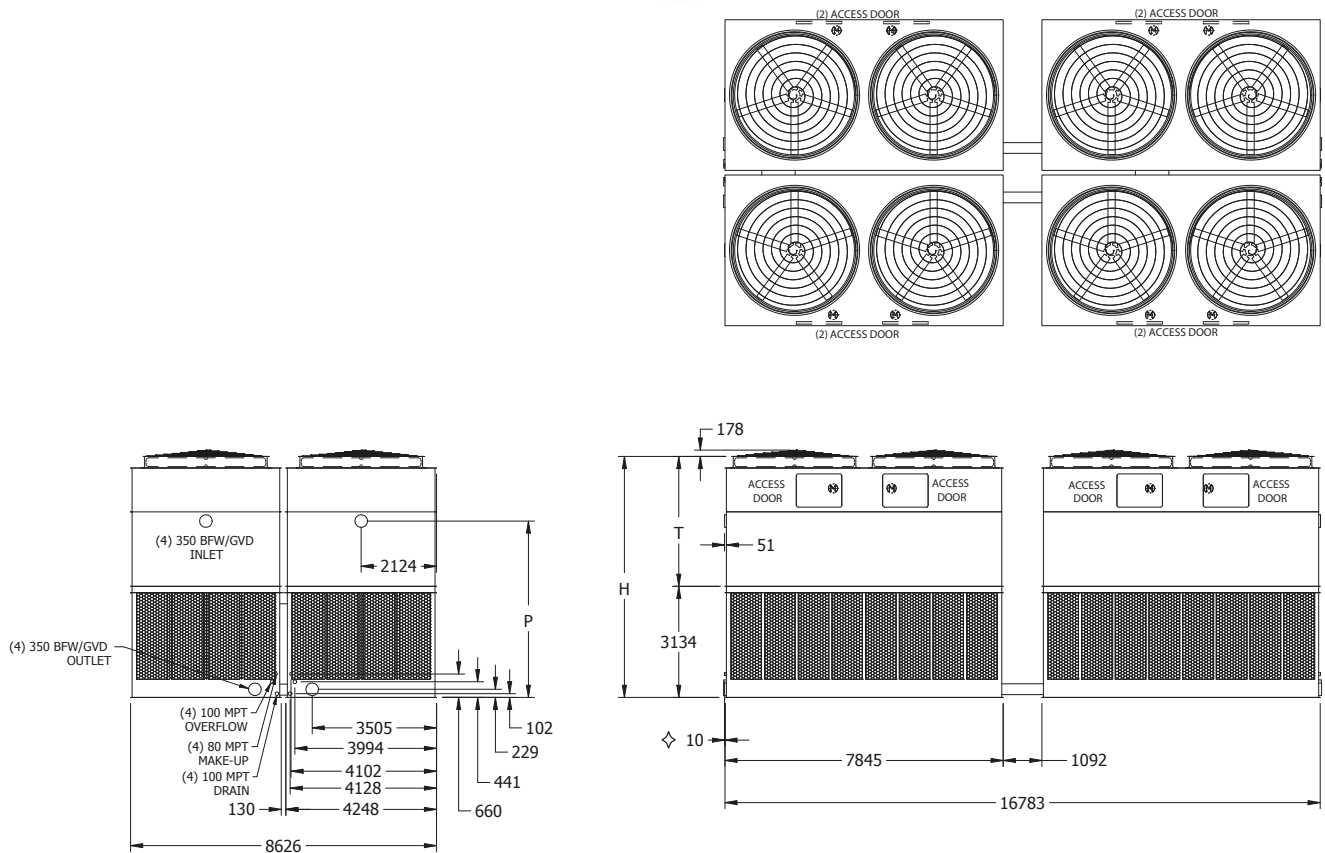
- NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
(2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
(3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
(4) Nominal Tonnage is based on 0.19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

◇ Outlet connection extends beyond bottom flange.  
† Height includes fan guard which ships factory mounted.

♦ Heaviest section is upper section.  
\*\* Additional weight and dimensions for optional SLSF.

# Models: AT/UAT 428-5K52 to 428-5O52

## Four-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)		
	Shipping	Operating	Heaviest Section†			H†	T†	P
AT 428-5K52	44.435	74.970	8.010	(8) 15	352,2	6.795	3.661	4.972
AT 428-5L52	44.545	75.080	8.040	(8) 18.5	377,7	6.795	3.661	4.972
AT 428-5M52	44.725	75.260	8.085	(8) 22	400,0	6.795	3.661	4.972
AT 428-5N52	45.305	75.840	8.230	(8) 30	437,5	6.795	3.661	4.972
AT 428-5O52	45.340	75.875	8.235	(8) 37	468,8	6.795	3.661	4.972
SLSF Addition*	♣	4.354	♣			394	394	

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

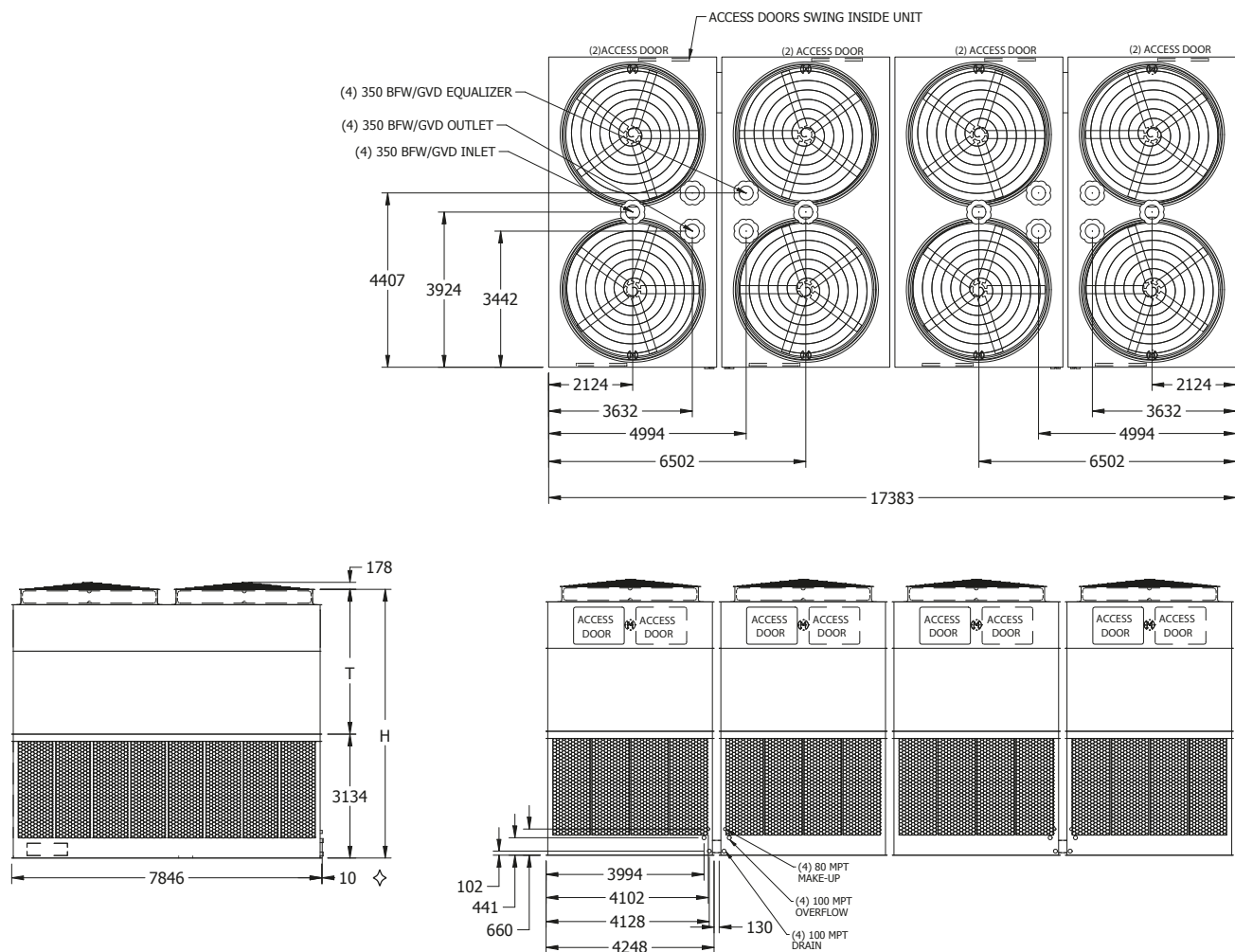
◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

♣ Heaviest section is upper section.  
 ♣ Please consult the factory for additional information regarding shipping and section weight changes.



# Models: AT/UAT 456-5K26 to 456-5O26

## Four-Cell Cooling Towers



Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m³/s)	Dimensions (mm)	
	Shipping	Operating	Heaviest Section†			H†	T†
AT 456-5K26	44.400	74.935	8.010	(8) 15	352,5	6.795	3.661
AT 456-5L26	44.505	75.040	8.040	(8) 18.5	378,1	6.795	3.661
AT 456-5M26	44.690	75.225	8.085	(8) 22	400,3	6.795	3.661
AT 456-5N26	45.270	75.805	8.230	(8) 30	437,9	6.795	3.661
AT 456-5O26	45.305	75.840	8.235	(8) 37	469,3	6.795	3.661
SLSF Addition*	♣	4.354	♣			394	

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.  
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.  
 (3) Adequate spacing must be allowed for access to the cooling tower. Refer to EVAPCO's Equipment Layout Manual.  
 (4) Nominal Tonnage is based on 0,19 l/s per ton at 35°C entering water temperature, 29,4°C leaving water temperature and 25,6°C wet-bulb temperature.

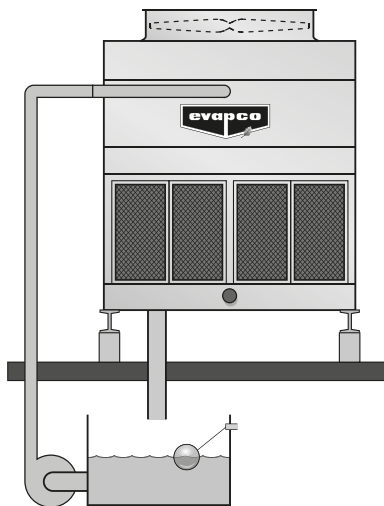
◇ Outlet connection extends beyond bottom flange.  
 † Height includes fan guard which ships factory mounted.  
 \* Additional weight and dimensions for optional SLSF.

♣ Heaviest section is upper section.  
 ♣ Please consult the factory for additional information regarding shipping and section weight changes.

# Drain Down Volume for Remote Sump Applications

The following chart provides the maximum drain down volume allowable per AT/UAT model number. Use this chart when sizing indoor or outdoor remote sumps tanks. Remote sump applications are commonly used whenever a cooling tower is idle during sub-freezing weather to protect the water in the basin from freezing or for large multi-tower industrial applications. Either application allows the circulating water to gravity drain into a remote sump tank indoors or a large, outdoor concrete basin located underneath the cooling tower.

The water volume provided is the cooling tower portion of the remote sump tank only. The tank should allow for drain down water from external piping and pump suction coverage.



1-CELL

Box Size	Maximum Drain Down Volume (liters)
4 x 4	322
4 x 6	492
4 x 9	738
4 x 12	1,041
8.5 x 6	1,022
8.5 x 8	1,211
8.5 x 9	1,495
8.5 x 11	1,741
8.5 x 12	1,987
8.5 x 14	2,309
10 x 12	2,442
10 x 18	3,710
12 x 12	2,725
12 x 14	3,237
12 x 18	4,126
12 x 20	4,580
14 x 24	7,022
14 x 26	7,893

2-CELL

Box Size	Maximum Drain Down Volume (liters)
6 x 17	2,044
8 x 17	2,423
12 x 9	2,044
15 x 9	2,423
17 x 9	2,990
17 x 11	3,483
17 x 12	3,975
17 x 14	4,618
8.5 x 18	2,990
8.5 x 21	3,483
8.5 x 24	3,975
8.5 x 28	4,618
10 x 24	4,883
10 x 36	7,419
12 x 24	5,451
12 x 28	6,473
12 x 36	8,252
12 x 40	9,161
14 x 48	14,044
14 x 52	15,785
20 x 12	4,883
20 x 18	7,419
24 x 18	8,252
24 x 20	9,161
28 x 24	14,044
28 x 26	15,785
8.5 x 36	5,962
8.5 x 42	6,927
10 x 36	7,325
12 x 36	8,176
12 x 42	9,710
12 x 54	12,378
12 x 60	13,741
14 x 72	21,066
14 x 78	23,678
42 x 26	23,678
24 x 24	10,902
24 x 28	12,946
24 x 36	16,504
24 x 40	18,321
28 x 48	28,088
28 x 52	31,570
56 x 26	31,570

3-CELL

4-CELL

# Applications

## Design

EVAPCO Cooling towers are of heavy-duty construction and designed for long trouble-free operation. Proper equipment selection, installation and maintenance are necessary to ensure full unit performance while maximizing the equipment's service life. Some of the major considerations in the application of a tower are presented below. For additional information, please contact the factory.

## Piping

Cooling tower piping should be designed and installed in accordance with generally accepted engineering practices. All piping should be anchored by properly designed hangers and supports with allowance made for possible expansion and contraction. No external loads should be placed upon cooling tower connections, nor should any of the piping supports be anchored to the unit framework.

The piping connection locations shown on the drawings included in this catalog and on the website are standard locations that can be changed. If the piping connection locations shown do not meet the needs of a particular project, contact the factory to determine a viable solution.

## Air Circulation

In reviewing the system design and unit location, it is important that enough fresh air is provided to enable proper unit performance. The best location is on an unobstructed roof top or at ground level away from walls and other barriers. Care must be taken when locating towers in wells or enclosures or next to high walls. The potential for recirculation of the hot, moist discharge air back into the fan intake exists. Recirculation raises the wetbulb temperature of the entering air, causing the leaving water temperature to rise above the design conditions. For these cases, the overall unit height should be raised so it is even with the adjacent wall, reducing the chance of recirculation. This can be done by raising the entire unit or adding a discharge hood. For additional information, see the EVAPCO Equipment Layout Manual. Engineering Assistance is also available from the factory to identify potential recirculation problems and recommend solutions, such as re-orienting multi-cell units.

## Design Flexibility and Assistance

The large number of EVAPCO AT Cooling towers makes it easy to find a model to meet your design and layout needs. If there is an application for which the standard catalog product line does not work, EVAPCO will make a cooling tower that will fit your requirement. Consult your local EVAPCO Representative or the factory for assistance with Applications, Layout, Accessories or other design needs.

## Water Treatment

Proper water treatment is an essential part of the maintenance required for all evaporative cooling equipment. A well designed and consistently implemented water treatment program will help to ensure efficient system operation while maximizing the equipment's service life. A qualified water treatment company should design a site specific water treatment protocol based on equipment (including all metallurgies in the cooling system), location, makeup water quality and usage.

Without proper water treatment, the equipment can be susceptible to scale build-up on its heat exchange surfaces, biological growth in the recirculating water and corrosion of its components. Your site specific water treatment protocol should include procedures for routine operation, startup after a shut-down period, and system lay-up, if applicable.

## Passivation Period

If the equipment includes any galvanized components, the initial commissioning and passivation period is a critical time for maximizing the service life of galvanized equipment. Evapco recommends that a site specific water treatment protocol which includes a passivation procedure that details the desired water chemistry and visual inspections during the first six to twelve weeks of operation be used. During this passivation period, recirculating water pH should be maintained above 7.0 and below 8.0 at all times.

## Recirculating Water System

The cooling in a tower is accomplished by the evaporation of a portion of the recirculated spray water. As this water evaporates, it leaves behind mineral content and impurities. Therefore, it is important to bleed-off an amount of water proportional to that which is evaporated to prevent the buildup of impurities. If this is not done, the mineral content and/or the corrosive nature of the water will continue to increase. This can ultimately result in heavy scaling or a corrosive condition.

## Bleed-off

Evaporative cooling equipment requires a bleed or blow-down line to remove concentrated water from the system. The mineral concentration is monitored by measuring the conductivity of the water. Evapco recommends an automated conductivity controller to maximize the water efficiency of your system. Based on recommendations from your water treatment supplier, the conductivity controller should open and close a bleed valve to maintain the conductivity of the recirculating water.

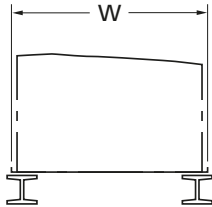
## Control of Biological Contaminants

Evaporative cooling equipment should be inspected regularly to ensure good microbiological control. Inspections should include both monitoring of microbial populations via culturing techniques and visual inspections for evidence of biofouling. Poor microbiological control can result in loss of heat transfer efficiency, increase corrosion potential, and increase the risk of pathogens such as those that can cause risk to health. If excessive microbiological contamination is detected, a more aggressive mechanical cleaning and/or water treatment program should be undertaken.

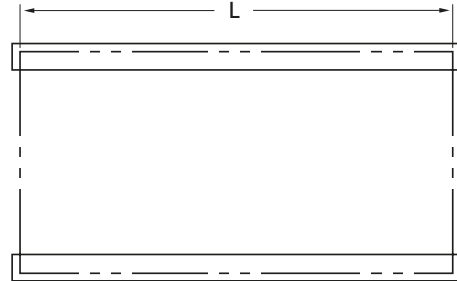
# Structural Steel Support

## Models AT/UAT 14-2E4 to 314-5O78

### Suggested Two I-Beam Arrangement



End Elevation



Plan View

#### Box Sizes 4' x 4' through 8.5' x 18'

Two I-Beams Required (By Others)

	Box Size	Dimensions (mm)	
		W	L
1-CELL	4 x 4	1.231	1.210
	4 x 6	1.231	1.819
	4 x 9	1.231	2.735
	4 x 12	1.231	3.648
	8.5 x 6	1.826	2.578
	8.5 x 8	2.283	2.578
	8.5 x 9	2.578	2.731
	8.5 x 11	2.578	3.188
	8.5 x 12	2.578	3.651
	8.5 x 14	2.578	4.261
	10 x 12	2.991	3.651
	10 x 18	2.991	5.486
	12 x 12	3.607	3.651
	12 x 14	3.607	4.261
	12 x 18	3.607	5.486
	12 x 20	3.607	6.096
	14 x 24	4.248	7.239
	14 x 26	4.248	7.845
2-CELL	6 x 17	1.826	5.220
	8 x 17	2.283	5.220
	8.5 x 18	2.578	5.486

#### Box Sizes 8.5' x 21' through 14' x 78'

Two I-Beams Required (By Others)

	Box Size	Dimensions (mm)	
		W	L
2-CELL	8.5 x 21	2.578	6.401
	8.5 x 24	2.578	7.366
	8.5 x 28	2.578	8.585
	10 x 24	2.991	7.366
3-CELL	10 x 36	2.991	11.036
	12 x 24	3.607	7.366
	12 x 28	3.607	8.585
	12 x 36	3.607	11.036
	12 x 40	3.607	12.249
	14 x 48	4.248	14.542
	14 x 52	4.248	15.754
	8.5 x 36	2.578	11.081
	8.5 x 42	2.578	12.910
	10 x 36	2.991	11.081
	12 x 36	3.607	11.081
	12 x 42	3.607	12.910
	12 x 54	3.607	16.586
	12 x 60	3.607	18.415
	14 x 72	4.248	21.844
	14 x 78	4.248	23.663

#### Notes:

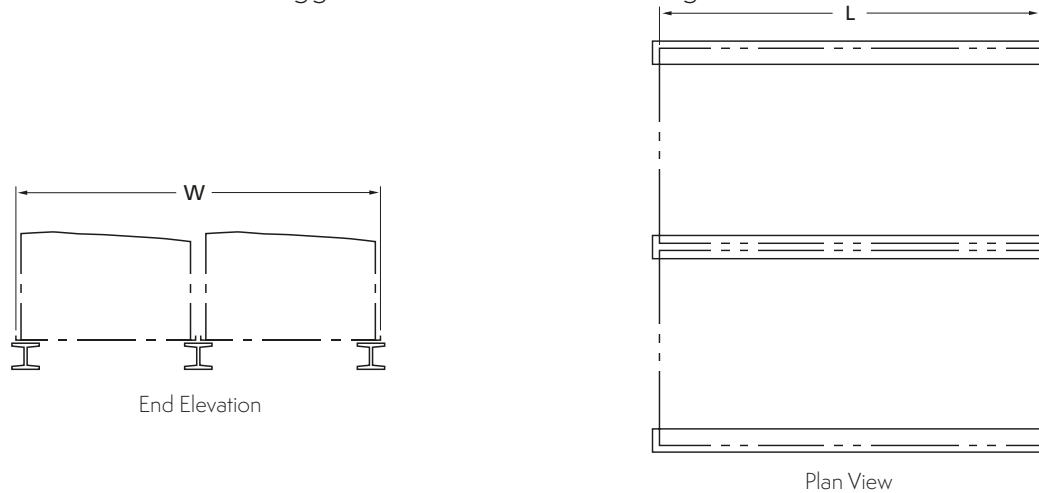
Models Listed Above.

- These are suggested arrangements for preliminary layout purposes. Consult your EVAPCO representative for factory certified steel support drawings.
- The recommended support for the AT/UAT Cooling Tower is structural I-beams located under the outer flanges and running the entire length of the unit. The unit should be elevated to allow access underneath the unit and to the roof below. Mounting holes, 19 mm in diameter, are located in the bottom flanges of the pan to provide for bolting to the structural steel.
- Beams should be sized in accordance with accepted structural practices. Maximum deflection of beam under unit to be 1/360 of the unit length, not to exceed 13 mm.
- For these models where two support beams are required, deflection may be calculated by using 55% of the operating weight as a uniform load on each beam.
- Beams should be level before setting the unit in place. Do not level the unit by shimming between it and the I-beams.
- Support beams and Anchor bolts are to be furnished by others.
- Dimensions, weights and data are subject to change without notice. Refer to the factory certified drawings for exact dimensions.
- For alternate layout arrangements please consult the factory. **NOTE: OPTIONAL BOTTOM CONNECTIONS WILL REQUIRE THE UNIT TO BE ELEVATED TO ALLOW FOR PIPING.**

# Structural Steel Support

## Models AT/UAT 212-2G9 to 428-5O52

### Suggested Three I-Beam Arrangement



### Box Sizes 12' x 9' through 28' x 52'

Three I-Beams Required (By Others)

	Box Size	Dimensions (mm)	
		W	L
2-CELL	12 x 9	3.781	2.578
	15 x 9	4.696	2.578
	17 x 9	5.286	2.731
	17 x 11	5.286	3.188
	17 x 12	5.286	3.651
	17 x 14	5.286	4.261
	20 x 12	6.112	3.651
	20 x 18	6.112	5.486
	24 x 18	7.344	5.486
	24 x 20	7.344	6.096
	28 x 24	8.626	7.239
	28 x 26	8.626	7.845
4-CELL	24 x 24	7.344	7.360
	24 x 28	7.344	8.579
	24 x 36	7.344	11.030
	24 x 40	7.344	12.249
	28 x 48	8.626	15.570
	28 x 52	8.626	16.783

#### Notes:

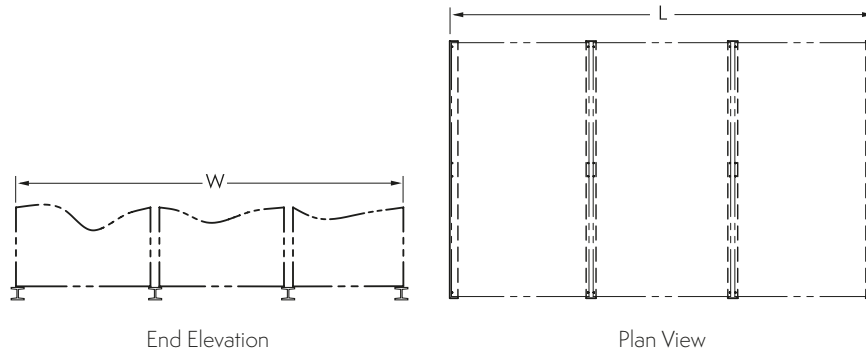
Models Listed Above.

- These are suggested arrangements for preliminary layout purposes. Consult your EVAPCO representative for factory certified steel support drawings.
- The recommended support for the AT/UAT Cooling Tower is structural I-beams located under the outer flanges and running the entire length of the unit. The unit should be elevated to allow access underneath the unit and to the roof below. Mounting holes, 19 mm in diameter are located in the bottom flanges of the pan to provide for bolting to the structural steel.
- Beams should be sized in accordance with accepted structural practices. Maximum deflection of beam under unit to be 1/360 of the unit length, not to exceed 13 mm.
- For these models only where three support beams are required, deflection may be calculated using 56% of the operating weight on the CENTER BEAM and 22% on each OUTBOARD beam.
- Beams should be level before setting the unit in place. Do not level the unit by shimming between it and the I-beams.
- Support beams and Anchor bolts are to be furnished by others.
- Dimensions, weights and data are subject to change without notice. Refer to the factory certified drawings for exact dimensions.
- For alternate layout arrangements please consult the factory. NOTE: OPTIONAL BOTTOM CONNECTIONS WILL REQUIRE THE UNIT TO BE ELEVATED TO ALLOW FOR PIPING.

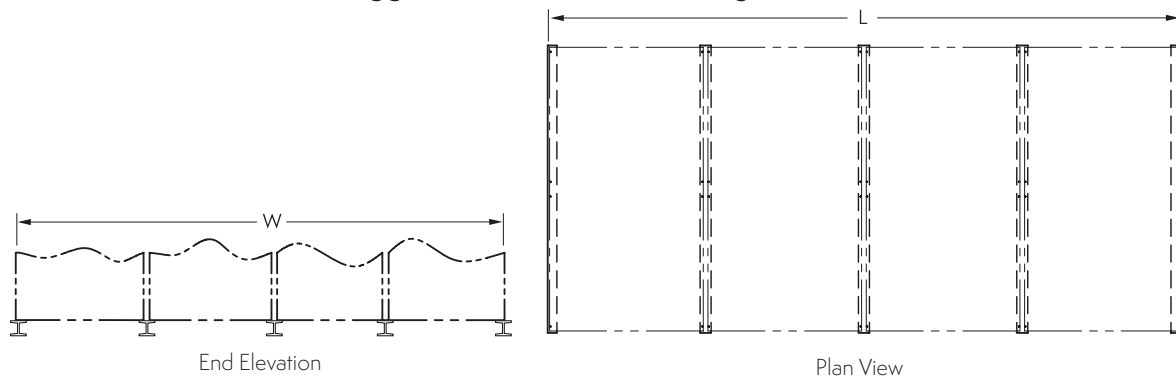


# Structural Steel Support

## Models AT/UAT 342-5K26 to 342-5O26 Suggested Four I-Beam Arrangement



## Models AT/UAT 456-5K26 to 456-5O26 Suggested Five I-Beam Arrangement



### Box Size 42' x 26' through 56' x 26'

I-Beams Required (By Others)

Dimensions (mm)		
Box Size	W	L
42 x 26	13.005	7.845
56 x 26	17.383	7.845

#### Notes:

Models Listed Above.

1. These are suggested arrangements for preliminary layout purposes. Consult your EVAPCO representative for factory certified steel support drawings.
2. The recommended support for the AT/UAT Cooling Tower is structural I-beams located under the outer flanges and running the entire length of the unit. The unit should be elevated to allow access underneath the unit and to the roof below. Mounting holes, 19 mm in diameter are located in the bottom flanges of the pan to provide for bolting to the structural steel.
3. Beams should be sized in accordance with accepted structural practices. Maximum deflection of beam under unit to be 1/360 of the unit length, not to exceed 13 mm.
4. For these models only where four or five support beams are required, deflection may be calculated using 56% of the operating weight on the CENTER BEAMS and 22% on each OUTBOARD beam.
5. Beams should be level before setting the unit in place. Do not level the unit by shimming between it and the I-beams.
6. Support beams and Anchor bolts are to be furnished by others.
7. Dimensions, weights and data are subject to change without notice. Refer to the factory certified drawings for exact dimensions.
8. For alternate layout arrangements please consult the factory. **NOTE: OPTIONAL BOTTOM CONNECTIONS WILL REQUIRE THE UNIT TO BE ELEVATED TO ALLOW FOR PIPING.**

## Notes

## Notes



# WORLDWIDE MANUFACTURING FACILITIES



-  World Headquarters/  
Research and  
Development Center
-  EVAPCO Facilities

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

P.O. Box 1300 • Westminster, MD 21158 USA  
410-756-2600 p • 410-756-6450 f • [marketing@evapco.com](mailto:marketing@evapco.com)

### North America

#### EVAPCO, Inc. World Headquarters

P.O. Box 1300  
Westminster, MD 21158 USA  
410-756-2600 p | 410-756-6450 f  
[marketing@evapco.com](mailto:marketing@evapco.com)

#### EVAPCO East

5151 Allendale Lane  
Taneytown, MD 21787 USA  
410-756-2600 p | 410-756-6450 f  
[marketing@evapco.com](mailto:marketing@evapco.com)

#### EVAPCO Midwest

1723 York Road  
Greenup, IL 62428 USA  
217-923-3431 p | 217-923-3300 f  
[evapcomw@evapcomw.com](mailto:evapcomw@evapcomw.com)

#### EVAPCO West

1900 West Almond Avenue  
Madera, CA 93637 USA  
559-673-2207 p | 559-673-2378 f  
[contact@evapcowest.com](mailto:contact@evapcowest.com)

#### EVAPCO Iowa

925 Quality Drive  
Lake View, IA 51450 USA  
712-657-3223 p | 712-657-3226 f

#### EVAPCO Iowa

**Sales & Engineering**  
215 1st Street, NE  
P.O. Box 88  
Medford, MN 55049 USA  
507-446-8005 p | 507-446-8239 f  
[evapcomn@evapcomn.com](mailto:evapcomn@evapcomn.com)

#### EVAPCO Newton

701 East Jourdan Street  
Newton, IL 62448 USA  
618-783-3433 | 618-783-3499 f  
[evapcomw@evapcomw.com](mailto:evapcomw@evapcomw.com)

#### EVAPCOLD

521 Evapco Drive  
Greenup, Ill USA  
217-923-3431 p  
[evapcomw@evapcomw.com](mailto:evapcomw@evapcomw.com)

#### EVAPCO-Dry Cooling, Inc.

981 US Highway 22 West  
Bridgewater, New Jersey 08807 USA  
1-908-379-2665 p  
[info@evapco-blct.com](mailto:info@evapco-blct.com)

#### Refrigeration Valves & Systems Corporation

*A wholly owned subsidiary of EVAPCO, Inc.*  
1520 Crosswind Dr.  
Bryan, TX 77808 USA  
979-778-0095 p | 979-778-0030 f  
[rsv@rvscorp.com](mailto:rsv@rvscorp.com)

#### EVAPCO Northwest

5775 S.W. Jean Road, Suite 210  
Lake Oswego, Oregon 97035 USA  
503-639-2137 p | 503-639-1800 f

#### EvapTech, Inc.

*A wholly owned subsidiary of EVAPCO, Inc.*  
8331 Nieman Road  
Lenexa, KS 66214 USA  
913-322-5165 p | 913-322-5166 f  
[marketing@evaptech.com](mailto:marketing@evaptech.com)

#### Tower Components, Inc.

*A wholly owned subsidiary of EVAPCO, Inc.*  
5960 US HWY 64E  
Ramseur, NC 27316  
336-824-2102 p | 336-824-2190 f  
[mail@towercomponentsinc.com](mailto:mail@towercomponentsinc.com)

### South America

#### EVAPCO Brasil Equipamentos Industriais Ltda

Rua Alexandre Dumas, 1601 - 2 andar  
04717-004 Sao Paulo - SP - Brazil  
(55) 11-5184-0067 p

### Europe

#### EVAPCO Europe BVBA European Headquarters

Heersterveldweg 19  
Industrieterrein Oost  
3700 Tongeren, Belgium  
(32) 12-395029 p | (32) 12-238527 f  
[evapco.europe@evapco.be](mailto:evapco.europe@evapco.be)

#### EVAPCO Europe, S.r.l.

Via Ciro Menotti 10  
I-20017 Passirana di Rho  
Milan, Italy  
(39) 02-939-9041 p | (39) 02-935-00840 f  
[evapcoeuropa@evapco.it](mailto:evapcoeuropa@evapco.it)

#### EVAPCO Europe, S.r.l.

Via Dosso 2  
23020 Piateda Sondrio, Italy

#### EVAPCO Europe GmbH

Interburger Strasse 18  
40670 Meerbusch, Germany  
(49) 2159-69560 p | (49) 2159-695611 f  
[info@evapco.de](mailto:info@evapco.de)

#### EVAPCO Air Solutions a/s

*A wholly owned subsidiary of EVAPCO, Inc.*  
Knøsgårdvej 115  
DK-9440 Aabybro Denmark  
(45) 9824 4999 p | (45) 9824 4990 f  
[info@flexcoil.dk](mailto:info@flexcoil.dk)

#### EVAPCO S.A. (Pty.) Ltd.

*A licensed manufacturer of EVAPCO, Inc.*  
18 Quality Road  
Isando 1600  
Republic of South Africa  
(27) 11-392-6630 p | (27) 11-392-6615 f  
[evapco@evapco.co.za](mailto:evapco@evapco.co.za)

#### Evap Egypt Engineering Industries Co.

*A licensed manufacturer of EVAPCO, Inc.*  
5 El Nasr Road  
Nasr City, Cairo, Egypt  
2 02 24022866 / 2 02 24044997 p  
2 02 24044667 / 2 02 24044668 f  
[Primacool@link.net](mailto:Primacool@link.net) / [Shady@primacool.net](mailto:Shady@primacool.net)

### Asia/Pacific

#### EVAPCO Asia/Pacific Headquarters

1159 Luoning Rd. Baoshan Industrial Zone  
Shanghai, P. R. China, Postal Code: 200949  
(86) 21-6687-7786 p | (86) 21-6687-7008 f  
[marketing@evapcochina.com](mailto:marketing@evapcochina.com)

#### EVAPCO (Shanghai) Refrigeration Equipment Co., Ltd.

1159 Luoning Rd., Baoshan Industrial Zone  
Shanghai, P.R. China, Postal Code: 200949  
(86) 21-6687-7786 p | (86) 21-6687-7008 f  
[marketing@evapcochina.com](mailto:marketing@evapcochina.com)

#### Beijing EVAPCO Refrigeration Equipment Co., Ltd.

Yan Qi Industrial Development District  
Huai Rou County  
Beijing, P.R. China, Postal Code: 101407  
(86) 10 6166-7238 p | (86) 10 6166-7395 f  
[evapcobj@evapcochina.com](mailto:evapcobj@evapcochina.com)

#### EVAPCO Australia (Pty.) Ltd.

34-42 Melbourne Road  
P.O. Box 436  
Riverstone, N.S.W. Australia 2765  
(61) 2 9627-3322 p | (61) 2 9627-1715 f  
E-mail: [sales@evapco.com.au](mailto:sales@evapco.com.au)

#### EVAPCO Composites Sdn. Bhd

No. 70 (Lot 1289) Jalan Industri 2/3  
Rawang Integrated Industrial Park  
Rawang, Selangor, 48000 Malaysia  
60 3 6092-2209 p | 60 3 6092-2210 f

#### EvapTech Asia Pacific Sdn. Bhd

*A wholly owned subsidiary of EvapTech, Inc.*  
B-6-1, IOI Boulevard  
Jalan Kenari 5, Bandar Puchong Jaya  
47170 Puchong, Selangor Darul Ehsan  
Malaysia  
(60-3) 8070-7255 p | (60-3) 8070-5731 f  
E-mail: [marketing-ap@evaptech.com](mailto:marketing-ap@evaptech.com)