



eco-Coolers

The NEW Family of Closed Circuit Coolers



eco-ATW

eco-ATWE

Sage®

CERTIFIED EN ISO 9001 & ISO 14001



Environmentally Conscious Operation Featuring
Water & Energy Conserving Technology





Since its founding in 1976, EVAPCO, Incorporated has become an industry leader in the engineering and manufacturing of quality heat transfer products around the world. EVAPCO's mission is to provide first class service and quality products for the following markets:

- Industrial Refrigeration
- Commercial HVAC
- Industrial Process
- Power

EVAPCO's powerful combination of financial strength and technical expertise has established the company as a recognized manufacturer of market-leading products on a worldwide basis. EVAPCO is also recognized for the superior technology of their environmentally friendly product innovations in sound reduction and water management.

EVAPCO is an employee owned company with a strong emphasis on research & development and modern manufacturing plants. EVAPCO has earned a reputation for technological innovation and superior product quality by featuring products that are designed to offer these operating advantages:

- Higher System Efficiency
- Environmentally Friendly
- Lower Annual Operating Costs
- Reliable, Simple Operation and Maintenance

With an ongoing commitment to Research & Development programs, EVAPCO provides the most advanced products in the industry—**Technology for the Future, Available Today!**



EVAPCO products are manufactured in 17 locations in 8 countries around the world and supplied through a sales network consisting of over 170 offices.

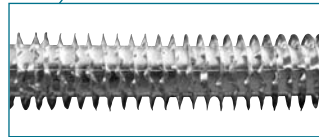
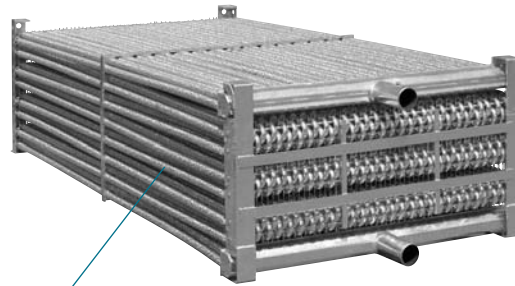
NEW!

Ellipti-fin™

Featuring Elliptical Spiral Fin Coil Technology

Introducing the Most Efficient Closed Circuit Cooler Coil in the HVAC industry! The Ellipti-fin™ provides:

- Patent Pending finned Thermal-Pak elliptical tube design with ALL coil rows finned.
- Lower airflow resistance than typical finned round tubes
- Increased Evaporative and Dry Cooling efficiency



CTI Certified



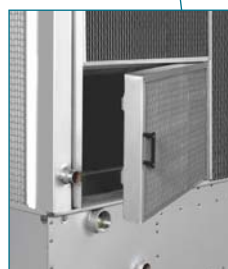
Most Accessible Basin

- Access from all four sides
- Large open area simplifies maintenance
- Basin may be inspected with pumps running




Featuring Louver Access Door

- Louver access door is standard on models with 1.5m and 1.8m louver sizes
- Hinged access panel with quick release mechanism
- Allows easy access to perform routine maintenance and inspection of the makeup assembly, strainer screen and basin



eco-ATW *Design and Construction Features*

The **New** eco-ATW line of Closed Circuit Coolers has been specifically designed to dramatically increase both the evaporative (latent) and dry (sensible) modes of cooling. With this new revolutionary design, the EVAPCO eco-ATW will also save water and energy by increasing the unit's efficiency in both the evaporative and dry cooling modes of operation. The eco-ATW utilizes the EVAPCO **ELLIPTI-FIN™** coil which features elliptical spiral fin technology to maximize the surface area available for heat transfer. The

eco-ATW is the ideal solution for: Lower Energy Costs, Reducing Water Consumption, Higher Dry Bulb Switchover, Super Low Sound Levels. **This new product is designed with IBC Compliant construction and  CTI Certified Performance.**



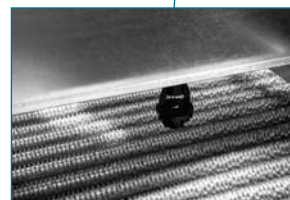
Super Low Sound Fan (Optional)

- Extremely wide sloped fan blades for sound sensitive applications.
- One piece molded heavy duty construction.
- 9-15 dB(A) sound reduction.



Efficient Drift Eliminators

- Advanced design removes mist from the leaving airstream
- Made from corrosion resistant PVC for long life (U.S. Patent No. 6315804)



PVC Spray Distribution Header with ZM® II Nozzles

- Nozzles are threaded into header at proper orientation
- Large orifice fixed position nozzles prevent clogging
- Threaded end caps for ease of cleaning

Easy Field Assembly

- A new field assembly seam design which ensures easier assembly and fewer field seam leaks
- Self-guiding channels guide the coil casing section into position improving the quality of the field seam
- Eliminated up to 66% of fasteners (Patent Pending)



NEW & Improved!

WST II Air Inlet Louvers (Water and Sight Tight)

- Easily removable for access
- Improved design to keep sunlight out—preventing biological growth
- Keeps water in while keeping dirt and debris out

(Patent Pending)



Optional Sage²® Water and Energy Conservation Control System

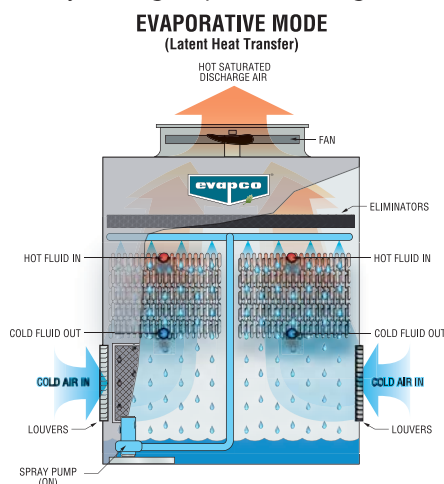
The best way to properly control and operate the eco-ATW Closed Circuit Cooler is with the optional **Sage²®** Water and Energy Conservation Control System. The **Sage²®** is designed to optimally control the fan motor(s) and the pump motor(s) of the unit. The **Sage²®** will efficiently reject the building load using the minimal amount of water and energy.

eco-ATW DESIGN FEATURES

Principles of Operation

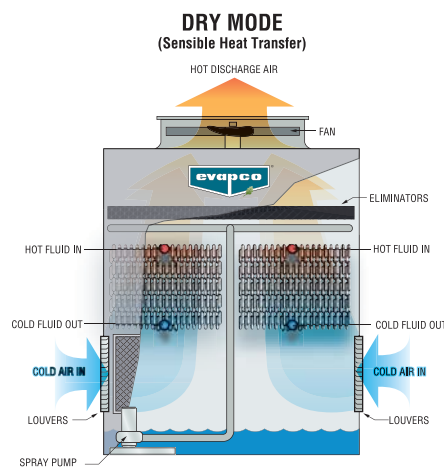
Evaporative Mode (Latent Heat Transfer)

In the evaporative mode, the process fluid enters the cooler through the top coil connection and circulates through the finned coils. With the pump and fan energized, the heat from the process fluid is transferred through the tube wall and fins to the water cascading downward over the coils while simultaneously air is drawn upward over the coil opposite the water flow. A small portion of the water is evaporated to dissipate the heat to the atmosphere in a latent heat transfer. This mode of operation provides fan energy savings due to enhanced evaporative performance and lower leaving water temperatures by utilizing evaporative cooling.



Dry Mode (Sensible Heat Transfer)

In the dry mode, the recirculating spray pump is deenergized (Fan on, Pump off). The process fluid enters the eco-ATW cooler through the top coil connection and circulates through the finned coil with the fan energized. Heat from the process fluid is dissipated to the atmosphere by sensible heat transfer through the tube wall and fins to the air passing over the coils. The coils are finned to promote optimal airflow over the coil and to maximize heat transfer area. Air is drawn over the finned coil by the fan drive system. The process fluid then returns to the heat source via the bottom coil connection. This mode of operation eliminates water consumption!



Maintenance Free ZMII® Spray Nozzle Water Distribution System

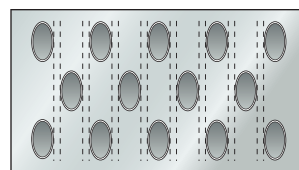
EVAPCO'S Zero Maintenance ZMII® Spray Nozzle remains clog-free while providing even and constant water distribution for reliable, scale-free evaporative cooling under all operating conditions.

The heavy duty ABS ZMII® Spray nozzles have a 32mm diameter opening and a 32mm splash plate clearance. Furthermore, the fixed position ZMII® nozzles are mounted in corrosion-free PVC water distribution pipes that have threaded end caps. Together, these elements combine to provide unequalled coil coverage and scale prevention, and make the industry's best performing non-corrosive, maintenance-free water distribution system.

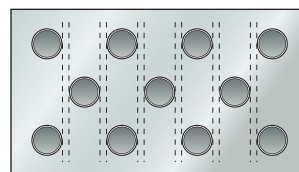


Cooling Coil

The new eco-ATW Closed Circuit Cooler utilizes Evapco's patent pending **Ellipti-fin™** coil design which assures even greater operating efficiency. The elliptical tube design allows for closer tube spacing, resulting in greater surface area per plan area than round-tube coil designs. In addition, the revolutionary **Ellipti-fin™** design utilizes elliptical spiral fin coil technology and has lower resistance to airflow than typical finned coil designs. This permits greater water loading, making the new **Ellipti-fin™** coil the most efficient coil design available on the market.



Thermal-Pak® Coil by EVAPCO



Round Tube Coil by Others

The coils are manufactured from high quality steel tubing following the most stringent quality control procedures. Each circuit is inspected to ensure the material quality and then tested before being assembled into a coil. Finally, the assembled coil is pneumatically tested at 2.76 MPa under water to ensure it is leak free.

To protect the coil against corrosion, it is placed in a heavy steel frame and then the entire assembly is dipped in molten zinc (hot-dip galvanized) at a temperature of approximately 427°C.

Note: Closed circuit coolers should only be used on sealed, pressurized systems. Continual aeration of the water in an open system can cause corrosion inside the tubes of the cooler leading to premature failure.

DESIGN FEATURES **eco-ATW**

Efficient Drift Eliminators

The eco-ATW is equipped with an efficient drift eliminator system that effectively reduces entrained water droplets from the air discharge to less than 0.001% of the spray water flow rate.

The eliminators are constructed of non-corrosive PVC with a multi-pass design for maximum drift reduction. They are assembled in modular sections for easy removal and access to the water distribution system.

In addition to reducing drift, the eliminators also function as effective debris screens which protect the spray system from sunlight and debris.



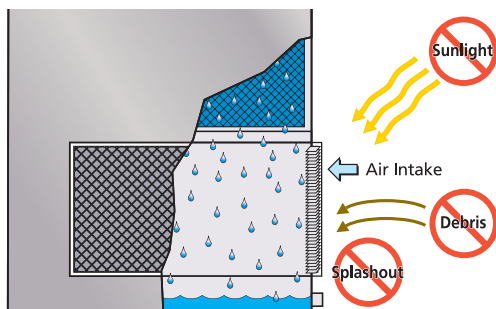
Patent #: 6,315,804

Superior Air Inlet Louver and Screen Design - *New & Improved*

EVAPCO'S WST II Inlet Louvers (patent pending) keep water in and sunlight out of induced draft products. The unique non-planar design is made from light-weight framed PVC sections which have no loose hardware, enabling easy unit access.

Developed with computational fluid dynamics (CFD) software, 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. Additionally, algae growth is minimized by blocking all sunlight.

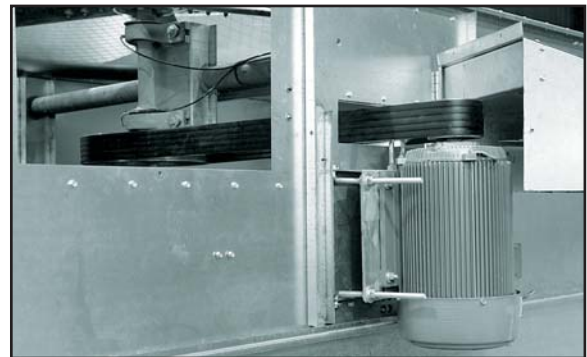
The combination of easy access, no splash-out and minimized algae growth saves the end user money on maintenance hours, water consumption and water treatment costs.



Belt Drive Units -

0.9m, 1.2m, 2.5m and 5.2m Wide Models

The fan motor and drive assembly on these units are designed to allow easy servicing of the motor and adjustment of the belt tension from the exterior of the unit. A T.E.F.C. fan motor is mounted on the outside of these models. A protective cover swings away to allow servicing and belt adjustment.

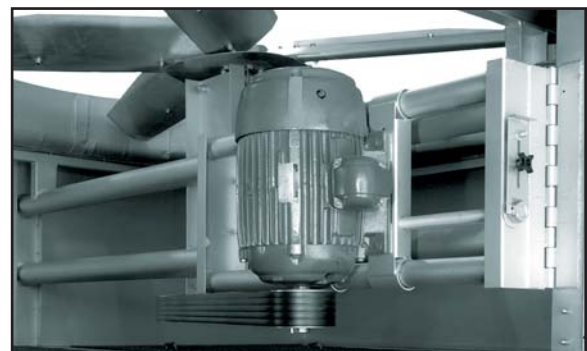


External Motor Mount

Belt Drive Units -

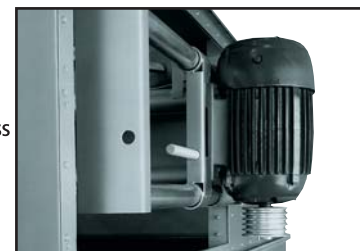
3m, 3.6m, 6.1m & 7.3m Wide Models

The fan motor and drive assembly are designed to allow easy servicing of the motor and adjustment of the belt tension from the exterior of the unit. The T.E.A.O. fan motor is located inside the fan casing on a rugged heavy duty motor base. The innovative motor base also features a unique locking mechanism for a positive adjustment.



Motor Base Assembly

The motor base is designed to swing out through a very large, 1.3 square meters access opening. This allows for easy servicing of the motor from outside of the unit.



Motor Access

SECTION 23 65 00 – FACTORY-FABRICATED COOLING TOWERS

PART 1 – DESIGN CONDITIONS

- A. Furnish and install as shown on the plans on EVAPCO Model _____ induced draft counterflow closed circuit cooler. Each unit shall be CTI Certified (with water) and have the capacity to cool _____ lps of _____ from _____ °C to _____ °C with a _____ °C entering wet bulb temperature and a dry bulb switchover temperature of _____ °C (Dry Capacity not CTI Certified).

Optional: (If dry operating condition are different than the wet operating conditions)

Each unit shall also cool _____ lps of _____ from _____ °C to _____ °C with a _____ °C entering dry bulb temperature.

- B. Controls optional with unit. See Controls Technical Specifications.

PART 2 – GENERAL

2.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

2.2 SUMMARY:

- A. This Section includes factory assembled and tested, closed circuit, induced draft counterflow cooling tower (also known as a closed circuit cooler).

2.3 SUBMITTALS

- A. General. Submit the following:
1. Certified drawings of the closed circuit cooler, sound data, recommended steel support indicating weight loadings, wiring diagrams, installation instructions, operation and maintenance instructions, and thermal performance guarantee by the manufacturer.

2.4 QUALITY ASSURANCE

- A. Verification of Performance:
1. Test and certify closed circuit cooler thermal performance according to CTI Standard 201.
 2. Test and certify closed circuit cooler sound performance according to CTI ATC-128.

- B. Meet or Exceed energy efficiency per ASHRAE 90.1.

2.5 WARRANTY

- A. Motor/Drive System: Five (5) year comprehensive warranty against materials and workmanship including motor, fan, bearings, mechanical support, sheaves, bushings and belt.
- B. Unit: One (1) year from start-up, not to exceed eighteen (18) months from shipment on the unit.

PART 3 - PRODUCTS

3.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide closed circuit coolers manufactured by one of the following:
1. EVAPCO, Inc.
 2. Approved Substitute

3.2 MATERIALS

- A. Galvanized Sheet Steel casing and fan housing complying with ASTM A 653/A 653M and having G-235 designation.
- B. Optional Type 304 and/or 316 Stainless Steel as specified.

3.3 INDUCED-DRAFT, COUNTERFLOW CLOSED CIRCUIT COOLERS

- A. Description: Factory assembled and tested, induced draft counterflow closed circuit cooler complete with coil, fan, louvers, accessories, and rigging supports.
- B. Closed Circuit Cooler Characteristics and Capacities: Refer to the Closed Circuit Cooler schedule.
- C. Fan(s):
1. Type and Material: Axial propeller, individually adjustable wide chord blade extruded aluminum installed in a closely fitted cowl with venturi air inlet for maximum efficiency, covered with a heavy gauge hot dipped Galvanized Steel fan guard.
 2. Maximum sound pressure level of _____ dB(A) measured at 5 feet above the fan discharge during full speed operation in accordance with CTI Standard ATC-128.
- D. Water Distribution System: Non-corrosive materials.
1. Evenly distribute of water over coil with pressurized spray tree.
 - a. Pipes: Schedule 40 PVC, Non-corrosive Materials
 - b. Nozzles: Non-clogging, nylon, threaded into branch piping.

- E. IBC Compliance: The unit structure shall be designed, analyzed, and constructed in accordance with the latest edition of the International Building Code (IBC) Regulations for seismic loads up to _____ g and wind loads up to _____ psf (or kPa).

- F. Collection Basin Material: Galvanized Steel. Type 304/316 Stainless Steel Optional:

1. Removable stainless-steel strainer with openings smaller than nozzle orifices.
2. Joints: Bolted and sealed watertight or welded.
3. Overflow, makeup and side drain connections
4. Flume plate between cells (for multiple-cell units) or Equalizer connection (for multiple- closed circuit cooler system).

- G. Heat Transfer Coil: Each row of the heat exchanger coil shall be provided with elliptical spiral fins to increase the evaporative and dry thermal performance of the unit as well as lowering the air pressure drop. Cooling coil(s) shall be all primed surface steel, encased in a steel framework and hot-dip galvanized after fabrication as a complete assembly. The tubes shall be arranged in a self-spacing, staggered pattern in the direction of airflow for maximum heat transfer efficiency and minimum pressure drop. The coil(s) shall be pneumatically tested at 2.76 MPa, under water.

- H. Casing: Galvanized Steel. Type 304/316 Stainless Steel Optional:

1. Casing panels shall totally encase the heat transfer coil.
 2. Fasteners: Corrosion resistance equal to or better than materials being fastened.
 3. Joints: Sealed watertight.
 4. Welded Connections: Continuous and watertight
- I. Drift Eliminators: PVC, for long life and durability resistant to rot, decay and biological attack; formed, bonded together for strength and durability in block format for easy removal and replacement; self extinguishing with flame spread rating of 5 per ASTM E84-81a; 0.001% drift rate.
- J. Air Inlet Louvers: Formed PVC; designed "Sight Tight" to completely block direct sunlight from entering and water from splashing out of the closed circuit cooler.
- K. Water Level Control: Brass mechanical makeup water valve and plastic float with an adjustable linkage.
- L. Water Recirculation Pump: Close-coupled, centrifugal type with mechanical seal. The pump motor shall be _____ kW totally enclosed for outdoor service on _____ volts, _____ hertz, and _____ phase.

3.4 MOTORS AND DRIVES

- A. General requirements for motors are specified in Division 15 Section "Motors".
- B. Endorsement Type: TEAO or TEFC
- C. Fan Motor Speed: Single speed (option: VFD Duty, 2-speed)
1. Motors shall be provided with space heaters.
- D. Drive: Power Band Belt designed for 150% of the motor nameplate kW.
1. Belt: Mutil-groove, solid glad V-belt type neoprene reinforced with polyester cord.
 2. Sheaves: Aluminum alloy if located inside the airstream.
 3. Bearings: Heavy duty, self-aligning pillow block bearings with lubrication lines extended to side access door. Minimum L10 life for bearings shall be 75,000 hours. Provide extended grease lines and fittings.
 4. Vibration Cutout Switch: (optional) Mechanical switch to de-energize fan motors if excessive vibration in NEMA 4 enclosure.

3.5 MAINTENANCE ACCESS

- A. Internal Working / Service Platforms: Provide a complete internal working platform and ladder system for service of all drive components. A suitable working platform may be constructed of the heat transfer coil for counterflow closed circuit coolers. If a crossflow cooler is used, provide an internal walkway with ladder and elevated working platform to allow for service and maintenance to motor and drive assembly.
- B. Handrails/Grabrails: Galvanized steel pipe complying with 29 CFR 1910.23. If access to fan deck is required, supply a perimeter handrail with ladder from grade to fan deck.
- C. Ladders: (optional) Aluminum, sloped "ships type" with grabrail or vertical complying with 29 CFR 1910.27.

OPTIONAL EQUIPMENT **eco-Coolers**

Electric Water Level Control

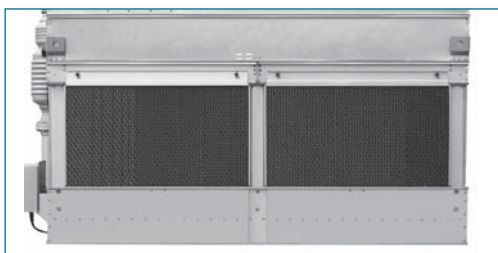
Closed circuit coolers may be ordered with an electric water level control in lieu of the standard mechanical float and make-up assembly. This package provides accurate control of water levels and does not require field adjustment.



Stainless Steel Basin

EVAPCO coolers have a modular design which allows specific areas to be enhanced for increased corrosion protection. The basin area of the cooler experiences turbulent mixing of air and water, in addition to silt build-up. In conjunction with the EVAPCOAT Corrosion Protection System, EVAPCO offers an optional Stainless Steel Basin. This option provides Type 304 or 316 stainless steel for the entire basin area including the support columns of the cooler and the louver frames.

The basin section provides structural support for the unit; it is also the part of the unit that is most prone to corrosion. For maximum protection against corrosion, EVAPCO can provide a Stainless Steel Basin as an affordable option.



Capacity Control

Two Speed Motors

Two speed fan motors can provide an excellent means of capacity control. In periods of lightened loads or reduced wet bulb temperatures, the fans can operate at low speed, which will provide about 60% of full speed capacity, yet consume only about 15% of the power compared with high speed. In addition to the energy savings, the sound levels of the units will be greatly reduced at low speed.

Self Supporting Working Platform

EVAPCO coolers are available with a self-supporting platform with ladder, which may be easily installed in the field. This option offers significant savings compared to field constructed catwalks, which must be supported by a structure external to the unit. The platform may be installed on either side, or the end opposite the connections.

Motor Davit

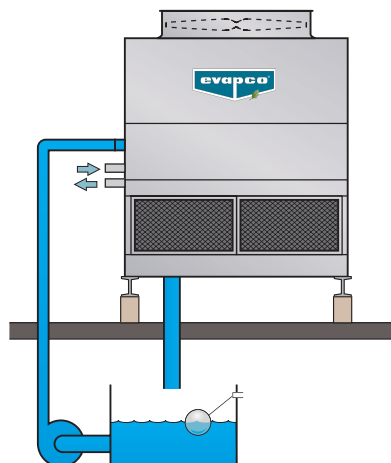
In the event that a fan motor should need to be replaced, a motor davit is available from which a chain fall can be mounted to easily lower the motor to the ground.



Remote Sump Configuration

For units operating in areas where temperatures may be very low, or where low temperatures may occur during periods when the unit is not operating, a sump located inside the building is the preferred means of ensuring that the basin water will not freeze. For these applications, the cooler will

be supplied without the spray pump, suction strainers and all associated piping, but is furnished with an oversized bottom outlet.



eco-Coolers

OPTIONAL EQUIPMENT

Solutions for Sound Sensitive Applications

The eco-ATW & eco-ATWE Closed Circuit Coolers are now available with four (4) equipment options to reduce the overall sound generated from the side or top of the eco Closed Circuit Cooler. Each option provides various levels of sound reduction and options can be combined to provide the lowest sound level. Consult EVAPCO's *evap-Select* selection program for unit sound levels. If a detailed analysis or full octave band data sheet is required for your application, please consult your EVAPCO Sales Representative.

NOTE: These low sound options may impact the overall installed dimensions of the eco-ATW & eco-ATWE Closed Circuit Cooler selected.

Super Low Sound Fan

9–15 dB(A) Reduction versus Standard Fan!



The Super Low Sound Fan offered by EVAPCO uses an extremely wide chord blade design for very sound sensitive applications where the lowest sound levels are required. The fan is one-piece molded heavy duty

FRP construction utilizing a forward swept blade design. The Super Low Sound fan is capable of reducing the unit sound pressure levels **9 dB(A) to 15 dB(A)**, depending on specific unit selection and measurement location. The fans are high efficiency axial propeller type.

The Super Low Sound Fan is available on all 2.5m and larger eco-ATW & eco-ATWE Closed Circuit Coolers.

Low Sound Fan

4–7 dB(A) Reduction!

The Low Sound Fan offered by EVAPCO uses a wide chord blade design for sound sensitive applications where low



sound levels are desired. Low Sound Fan construction uses aluminum blades and a steel fan hub. The Low Sound Fan is capable of reducing the unit sound pressure levels **4 dB(A) to 7dB(A)**, depending on

specific unit selection and measurement location. The fans are high efficiency axial propeller type.

Fan Discharge Sound Attenuation

Up to 10 dB(A) Reduction!

The eco-ATW & eco-ATWE Fan Discharge Attenuator offered by EVAPCO is an additional option available to further reduce the sound level of the unit. The attenuator can be used with the standard eco-ATW & eco-ATWE fan or in combination with the Low Sound Fan option.

The discharge attenuator is a factory-assembled straight-sided discharge hood designed to reduce overall discharge sound levels at full fan speed **5 dB(A) to 10 dB(A)**, depending on specific unit selection and measurement location. It is



constructed of G-235 galvanized steel as standard (options available for Type 304 stainless steel) and includes insulated walls and a low pressure drop baffling system that is acoustically lined with high density fiberglass. The discharge attenuator is self-supported by the unit and is shipped loose for field mounting. A

heavy-gauge, hot-dip galvanized steel fan guard covers the discharge attenuator to prevent debris from entering the attenuator.

The discharge attenuator has minimal impact on unit thermal performance (0%-2% derate depending on specific unit selection).

The Discharge Attenuator is available on: ALL standard eco-ATW & eco-ATWE Closed Circuit Coolers. It is also available on 3m, 3.6m, 6.1m and 7.3m wide eco-ATW, eco-ATWE Models with the Low Sound Fan option.

(Note: The eco-ATW & eco-ATWE Fan Discharge Attenuator Option is NOT available on eco-ATW & eco-ATWE Models provided with the Super Low Sound Fan.)

Water Silencer

Up to 7 dB(A) Reduction!

The water silencer option is available for all eco-ATW & eco-ATWE models and is located in the falling water area of



the cold water basin. The water silencer reduces the high frequency noise associated with the falling water and is capable of reducing overall sound levels **4 dB(A) to 7 dB(A)** measured at 1.5m from the side or end of the unit.

The water silencers reduce overall sound levels 9 db(A) to 12 db(A) (depending on water loading and louver height) measured 1.5m from the side or end of the unit when water is circulated with fans off.

The water silencers are constructed of lightweight PVC sections and can be easily removed for access to the basin area.

eco-Coolers

NOTES

The Sage³ Water and Energy Conservation Control System

The only way to properly control and operate the eco-ATWE Closed Circuit Cooler is to provide, as standard, the Sage³ Water and Energy Conservation Control System. The Sage³ is designed to optimally control the fan motor(s) and the pump motors of the unit. The Sage³ will efficiently reject the building load using the minimal amount of water and energy.



- Sophisticated control system that measures & analyses water inlet & out-let temperatures and the ambient dry bulb to minimize water consumption
- Variable frequency drive controls for fan motor(s)
- Maximizes water and energy savings

Unique Fan Drive System

- Power-band belts for better lateral rigidity
- Advanced design aluminum fan blades
- Non-corroding cast aluminum sheaves
- Heavy-duty fan shaft bearings with L-10 life of 75,000 - 135,000 hrs
- All other components constructed of corrosion resistant materials
- Totally enclosed fan motors assure long life



IBC Certification Label

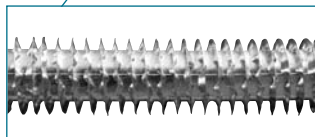
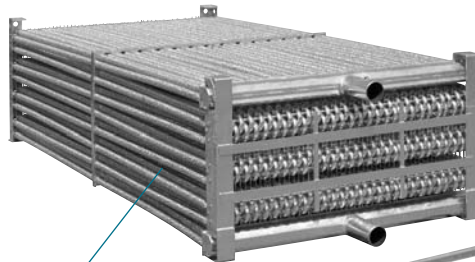
- Provided with every unit to indicate independent certification and compliance

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- All coil rows feature patent pending finned Thermal-Pak® elliptical tube design
- Lower airflow resistance than typical finned round tubes
- Increased Evaporative and Dry Cooling efficiency



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- One piece molded heavy duty construction.
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Most Accessible Basin

- Access from all four sides
- Large open area simplifies maintenance
- Basin may be inspected with pumps running



Featuring... Louver Access Door

- Louver access door is standard on models with 1.5m and 1.8m louver sizes
- Hinged access panel with quick release mechanism
- Allows easy access to perform routine maintenance and inspection of the makeup assembly, strainer screen and basin



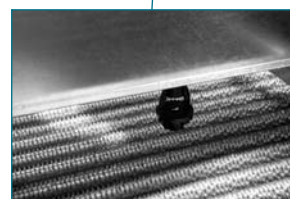
eco-ATWE *Design and Construction Features*

The **New** eco-ATWE line of Closed Circuit Coolers offers the same great design benefits and features as the eco-ATW but it has also been specifically designed to optimize both the evaporative (latent) and dry (sensible) modes of cooling simultaneously. This unique design joins an evaporative cooler and a dry cooler into one unit. The eco-ATWE utilizes the EVAPCO **Ellipti-fin™** coil which features elliptical spiral fin technology to maximize the surface area available for heat transfer. This decreases water consumption and offers additional cost savings through reduced water make-up, blow-down, and chemical consumption. Evaporative cooling provides lower system operating temperatures and higher overall system efficiencies. The eco-ATWE is the ideal solution for: Lower Energy Costs, Reducing Water Consumption, High Dry Bulb Switchover, Super Low Sound Levels. **This new product is designed with IBC Compliant construction and  CTI Certified Performance.**



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- Advanced design removes mist from the leaving airstream
- Made from corrosion resistant PVC for long life (U.S. Patent No. 6315804)



PVC Spray Distribution Header with ZM® II Nozzles

- Nozzles are threaded into header at proper orientation
- Large orifice fixed position nozzles prevent clogging
- Threaded end caps for ease of cleaning

Easy Field Assembly

- A new field assembly seam design which ensures easier assembly and fewer field seam leaks
- Self-guiding channels guide the coil casing section into position improving the quality of the field seam
- Eliminated up to 66% of fasteners (Patent Pending)



Partition Panel

A water tight partition spans from the fan section of the unit down to the basin. This partition separates the two coils and ensures water does not contact the dry coil when the unit is operating in the water efficient mode.

Multiple Water Distribution Systems

Each coil in this unit features its own water distribution system. This allows each coil to operate in a mode independent of the other coil.

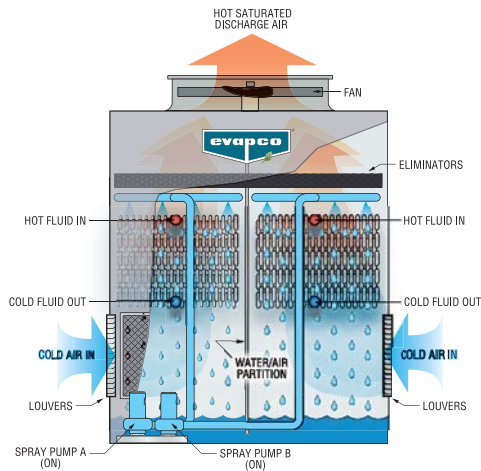
NEW & Improved!



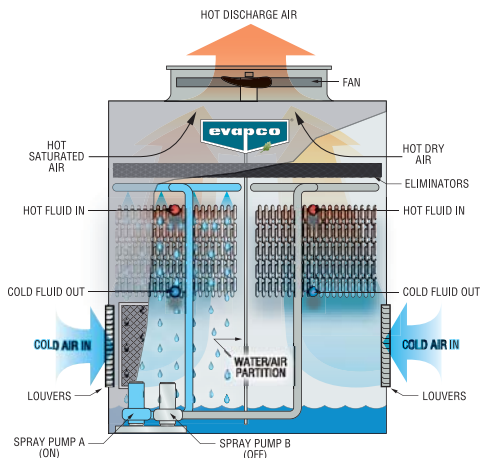
WST II Air Inlet Louvers (Water and Sight Tight)

- Easily removable for access
- Improved design to keep sunlight out—preventing biological growth
- Keeps water in while keeping dirt and debris out (Patent Pending)

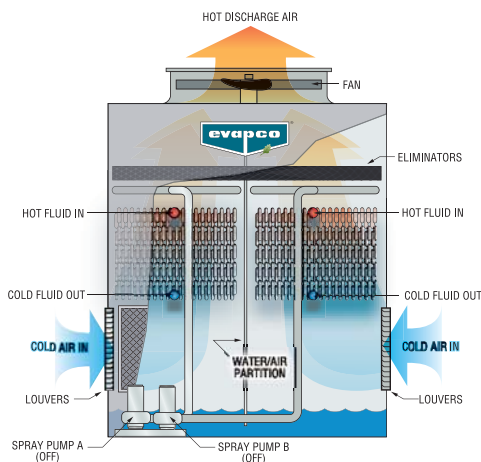
EVAPORATIVE MODE (Latent Heat Transfer)



WATER EFFICIENT MODE (Latent and Sensible Heat Transfer)



DRY MODE (Sensible Heat Transfer)



Principles of Operation

Evaporative Mode (Latent Heat Transfer)

In the evaporative mode, the process fluid enters the eco-ATWE cooler through the top coil connections and circulates through the finned coils. With both pumps energized, the heat from the process fluid is transferred through the coil tubes to the water cascading downward over the coils while simultaneously air is drawn upward over the coil opposite the water flow using the fan drive system (Fan on, Pump A & B on). A small portion of the water is evaporated to dissipate the heat to the atmosphere in a latent heat transfer. This mode of operation provides fan energy savings and lower leaving water temperatures by utilizing evaporative cooling.

Water Efficient Mode (Evaporative and Sensible Heat Transfer)

The joint wet and dry operation mode provides water savings as well as low approach temperatures. In this joint mode of operation, the fan is on and the process fluid enters the coils through the top coil connections (Fan on, Pump A on, Pump B off). Recirculating pump B is turned off and coil B rejects a portion of the heat load to the atmosphere through the tube and fin walls to the air passing over the coils using sensible heat transfer. Pump A is left on where heat from the process fluid is transferred through the coil tubes to the water cascading downward over coil A. This mode of operation minimizes the amount of water used while maintaining the cooling capacity required. The cooled fluid then returns to the process via the bottom coil connection.

Dry Mode (Sensible Heat Transfer)

In the dry mode, the recirculating spray pumps are deenergized (Fan on, Pump A & B off). The process fluid enters the eco-ATWE cooler through the top coil connection and circulates through the coil with the Fan On. Heat from the process fluid is dissipated to the atmosphere by sensible heat transfer through the tube walls to the air passing over the coils. The coils are finned to promote optimal airflow over the coil and to maximize heat transfer area. Air is drawn over the finned coils by the fan drive system. The process fluid then returns to the heat source via the bottom coil connection. This mode of operation eliminates water consumption when the dry bulb temperature is favorable.

SPECIFICATIONS

eco-ATWE

SECTION 23 65 00 – FACTORY-FABRICATED COOLING TOWERS

PART 1 – DESIGN CONDITIONS

- A. Furnish and install as shown on the plans on EVAPCO Model _____ induced draft counterflow closed circuit cooler. Each unit shall be CTI Certified (with water) and have the capacity to cool _____ lps of _____ from _____°C to _____°C with a _____°C entering wet bulb temperature and a dry bulb switchover temperature of _____°C (Dry Capacity is not CTI Certified).
Optional: (If dry operating condition are different than the wet operating conditions)
Each unit shall also cool _____ lps of _____ from _____°C to _____°C with a _____°C entering dry bulb temperature.
- B. Controls shall be provided with unit. See Controls Technical Specifications.

PART 2 – GENERAL

2.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

2.2 SUMMARY:

- A. This Section includes factory assembled and tested, closed circuit, induced draft counterflow cooling tower (also known as a closed circuit cooler).

2.3 SUBMITTALS

- A. General. Submit the following:
 1. Certified drawings of the closed circuit cooler, sound data, recommended steel support indicating weight loadings, wiring diagrams, installation instructions, operation and maintenance instructions, and thermal performance guarantee by the manufacturer.

2.4 QUALITY ASSURANCE

- A. Verification of Performance:
 1. Test and certify closed circuit cooler thermal performance according to CTI Standard 201.
 2. Test and certify closed circuit cooler sound performance according to CTI ATC-128.
- B. Meet or Exceed energy efficiency per ASHRAE 90.1.

2.5 WARRANTY

- A. Motor/Drive System: Five (5) year comprehensive warranty against materials and workmanship including motor, fan, bearings, mechanical support, sheaves, bushings and belt.
- B. Unit: One (1) year from start-up, not to exceed eighteen (18) months from shipment on the unit.

PART 3 - PRODUCTS

3.1 MANUFACTURERS

- A. Manufactures: Subject to compliance with requirements, provide closed circuit coolers manufactured by one of the following:
 1. EVAPCO, Inc.
 2. Approved Substitute

3.2 MATERIALS

- A. Galvanized Sheet Steel casing and fan housing complying with ASTM A 653/A 653M and having G-235 designation.
- B. Optional Type 304 and/or 316 Stainless Steel as specified.

3.3 INDUCED-DRAFT, COUNTERFLOW CLOSED CIRCUIT COOLERS

- A. Description: Factory assembled and tested, induced draft counterflow closed circuit cooler complete with coil, fan, louvers, accessories, and rigging supports.
- B. Closed Circuit Cooler Characteristics and Capacities: Refer to the Closed Circuit Cooler schedule.
- C. Fan(s):
 1. Type and Material: Axial propeller, individually adjustable wide chord blade extruded aluminum installed in a closely fitted cowl with venturi air inlet for maximum efficiency, covered with a heavy gauge hot dipped Galvanized Steel fan guard.
 2. Maximum sound pressure level of _____dB(A) measured at 5 feet above the fan discharge during full speed operation in accordance with CTI Standard ATC-128.
- D. Water Distribution System: Non-corrosive materials.
 1. Each coil shall have a dedicated recirculation pump and water distribution system, which are completely separated by a water tight partition which begins above the water distribution systems and ends at the basin in order to allow for simultaneous wet and dry operation.

2. Evenly distribute of water over coil with pressurized spray tree.
 - a. Pipes: Schedule 40 PVC, Non-corrosive Materials
 - b. Nozzles: Non-clogging, nylon, threaded into branch piping.

- E. IBC Compliance: The unit structure shall be designed, analyzed, and constructed in accordance with the latest edition of the International Building Code (IBC) Regulations for seismic loads up to _____ g and wind loads up to _____ psf(or kPa).
- F. Collection Basin Material: Galvanized Steel. Type 304/316 Stainless Steel Optional:

1. Removable stainless-steel strainer with openings smaller than nozzle orifices.
2. Joints: Bolted and sealed watertight or welded.
3. Overflow, makeup and side drain connections

4. Flume plate between cells (for multiple-cell units) or Equalizer connection (for multiple- closed circuit cooler system).
- G. Heat Transfer Coil: Each row of the heat exchanger coil shall be provided with elliptical spiral fins to increase the evaporative and dry thermal performance of the unit as well as lowering the air pressure drop. Cooling coil(s) shall be all primed surface steel, encased in a steel framework and hot-dip galvanized after fabrication as a complete assembly. The tubes shall be arranged in a self-spacing, staggered pattern in the direction of airflow for maximum heat transfer efficiency and minimum pressure drop. The coil(s) shall be pneumatically tested at 2.76 MPa, under water.

- H. Casing: Galvanized Steel. Type 304/316 Stainless Steel Optional:

1. Casing panels shall totally encase the heat transfer coil.

2. Fasteners: Corrosion resistance equal to or better than materials being fastened.

3. Joints: Sealed watertight.

4. Welded Connections: Continuous and watertight

- I. Drift Eliminators: PVC, for long life and durability resistant to rot, decay and biological attack; formed, bonded together for strength and durability in block format for easy removal and replacement; self extinguishing with flame spread rating of 5 per ASTM E84-81a; 0.001% drift rate.

- J. Air Inlet Louvers: Formed PVC; designed "Sight Tight" to completely block direct sunlight from entering and water from splashing out of the closed circuit cooler.

- K. Water Level Control: Brass mechanical makeup water valve and plastic float with an adjustable linkage.

- L. Water Recirculation Pump: Close-coupled, centrifugal type with mechanical seal. The pump motor shall be _____ kW totally enclosed for outdoor service on _____ volts, _____ hertz, and _____ phase.

3.4 MOTORS AND DRIVES

- A. General requirements for motors are specified in Division 15 Section "Motors".

- B. Endorse Type: TEAO or TEFC

- C. Fan Motor Speed: Single speed (Option: VFD Duty 2-speed)

- D. Drive: Power Band Belt designed for 150% of the motor nameplate kW.

1. Belt: Mutli-groove, solid back V-belt type neoprene reinforced with polyester cord.

2. Sheaves: Aluminum alloy if located inside the airstream.

3. Bearings: Heavy duty, self-aligning pillow block bearings with lubrication lines extended to side access door.

4. Vibration Cutout Switch: (optional) Mechanical switch to de-energize fan motors if excessive vibration in NEMA 4 enclosure.

3.5 MAINTENANCE ACCESS

- A. Internal Working / Service Platforms: Provide a complete internal working platform and ladder system for service of all drive components. A suitable working platform may be constructed of the heat transfer coil for counterflow closed circuit coolers. If a crossflow cooler is used, provide an internal walkway with ladder and elevated working platform to allow for service and maintenance to motor and drive assembly.

- B. Handrails/Grabrails: Galvanized steel pipe complying with 29 CFR 1910.23. If access to fan deck is required, supply a perimeter handrail with ladder from grade to fan deck.

- C. Ladders: (optional) Aluminum, sloped "ships type" with grabrail or vertical complying with 29 CFR 1910.27.

eco-Coolers SAGE SYSTEM

EVAPCO's *Sage*® ... Water and Energy



The EVAPCO eco-ATW closed circuit coolers utilize the optional *Sage*® water and energy conservation control system which controls Dry & Evaporative modes of operation. The eco-ATWE is provided standard with the *Sage*® control panel which controls Dry, Water Efficient and Evaporative modes of operation. The control system operates by measuring and analyzing water inlet and outlet temperature simultaneous with ambient dry bulb monitoring in order to minimize the evaporative cooling mode of operation and to save system water. The Sage® can also be programmed to operate with a water savings or energy savings priority.

The Sage® Controller features a IP 65 enclosure. The panel also includes a 10" touch screen operator interface with color display and a Modbus 485* data port for communication with the building automation system. **The data points are: Inlet Temperature, Outlet Temperature, Dry Bulb Temperature, Basin Water Temperature Sensor, Fan Run Time, Pump Run Time, VFD Speed, Fan Motor Status – On/Off, Fan RPM, Pump Status – On/Off.**

Standard Control Items

- A MODBUS 485* Port for the Building Automation System
- Programmable Logic Control
- Fluid Inlet Temperature Sensor(s)
- Fluid Outlet Temperature Sensor(s)
- Basin Temperature Sensor(s)
- Ambient Dry Bulb Sensor(s)
- Variable frequency drive(s) For Fan Motor(s)
- Recirculating Pump Motor Starter(s).
- Main Disconnect
- Manual Bypass
- DC power supply for the PLC and instrumentation.
- Heater Package Controls w/ Contactor with Overload Protection
- Control Power Transformer
- 5-Probe Electronic Water Level Control Package
- High Water Level Alarm Contact(s)
- Low Water Level Alarm Contact(s)
- Fan Motor: Space Heater Control(s)

Control for Optional Accessories

- Discharge Hood Damper Controls
- Vibration Switch Controls



SAGE SYSTEM **eco-Coolers**

Conservation Control System

HMI Panel Display

All *Sage*²⁰ and *Sage*³⁰ Control Panels are provided with a 10" touch screen operator interface with a color display. This allows for easy viewing and control at the panel.



Easy-to-use Touch Screen Navigation

The panel boasts an easy to navigate menu which will allow the user to control each cell independently from other units and gather useful run time information at the unit.



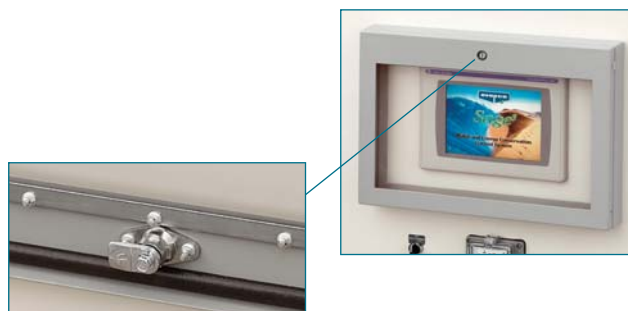
Alarm Setpoints Screen



Plan View Screen



End View Screen



Window Enclosure

The display screen is encased by a window enclosure. This enclosure protects the HMI display from the elements.

Electric Water Level Control Package

When a *Sage*²⁰ Panel is provided, a 5-probe Electronic Water Level Controller is standard. In addition to controlling the make-up valve, this controller contains two probes that can be utilized as High/Low water alarms. This controller will also be used as a safety device, shutting off the pump and heaters if the water level becomes too low.

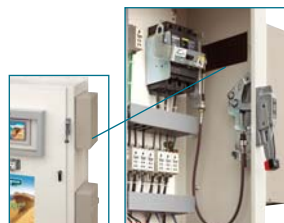
Temperature Sensors

Four separate temperature data points are monitored with this package.

- Inlet Temperature Sensor: 0°C – 100°C range
- Outlet Temperature Sensor: 0°C – 100°C range
- Dry Bulb Temperature Sensor: -34.4°C – 54.4°C range
- Basin Temperature Sensor: 0°C – 100°C range

Enclosure Temperature Control

The panel enclosure includes an intake and an exhaust ventilation fan. When the enclosure temperature rises to a predetermined set point, the exhaust fans are activated. The enclosure also contains a heater. The heater eliminates the drastic temperature changes which could create condensation inside of the enclosure.



Fan



Heater

**Optional Communication Protocol May Be Available.
Please Contact Your Local Sales Representative.*

eco-Coolers DESIGN FEATURES

eco-ATW Operating Benefits

The eco-ATW features the new EVAPCO **Ellipti-fin™** coil, which utilizes elliptical spiral fin coil technology. This technology allows for a significant increase in thermal performance with up to a **40% lower operating power** than a typical evaporative cooler! This will result in tremendous energy savings throughout the year.

If minimizing the footprint of the unit is of greater concern, the increased thermal capacity of the **Ellipti-fin™** technology will allow a selection that yields up to a **40% smaller plan area!**

Additionally, the **Ellipti-fin™** coil technology enables the eco-ATW to be operated in a **100% Dry Mode**, whereby the switchover temperature is significantly higher than that of a typical bare tube coil. This leads to a significant increase in dry operating hours, thus increasing your water savings. This combination of features allows the eco-ATW to be operated with both energy and water efficiency in mind, making it the ideal choice for many installations.

eco-ATWE Operating Benefits

The eco-ATWE maintains all of the advantages of the eco-ATW with the additional benefit of enabling **simultaneous wet and dry operation**. The unique **Water Efficient Mode** of the eco-ATWE allows for a portion of the heat load to be rejected through both evaporative cooling AND dry cooling, **even at high ambient temperatures**, this further increases your ability to save water and offers additional associated cost savings through reduced water make-up, blow-down and chemical consumption. The eco-ATWE provides an ideal solution for applications where minimizing both energy and water consumption is critical.

Depending on the optimum eco-Cooler you select for your job, one can operate 100% wet, 100% dry or simultaneously Wet & Dry in the **Water Efficient Mode**, offering unique advantages in freezing climates, higher temperature industrial cooling applications where 100% evaporative cooling is not always favorable.

eco-ATW and eco-ATWE Operational Savings:

Consider a Data Center cooling application for Minneapolis, MN, USA where the unit is required to reject a constant heat load of 216 tons with 41 lps (650 gpm) of water entering at a temperature of 95°F (35°C) and a leaving temperature of 85°F (29.4°C). The process operates 24 hours a day 7 days a week. Both the eco-ATW and the eco-ATWE are compared to:

- Cooler A – an evaporative cooler without dry cooling capability
- Cooler B – an induced draft counter-flow cooler capable of some dry operation

Model Attribute Comparison

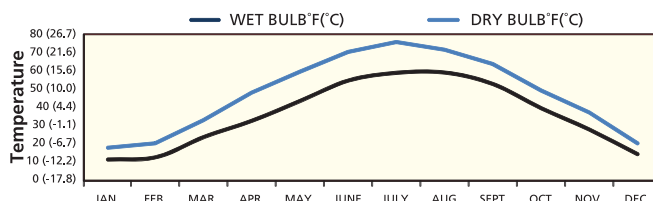
	eco-ATW 12-6L12-Z	eco-ATWE 12-6L12-Z	Cooler A	Cooler B
Fan Motor HP (kW)	25 (18.5)	25 (18.5)	25 (18.5)	2x20 (2x15)
Spray Pump HP (kW)	5 (4)	2x2 (2x1.5)	10 (7.5)	2x3 (2x2.2)
Box Size ft (m)	12x12 (3.6mx3.6m)	12x12 (3.6mx3.6m)	12x12 (3.6mx3.6m)	12x12 (3.6mx3.6m)
Weight lbs. (kg)	27530 (12490)	28115 (12755)	24880 (11285)	39700 (18010)

The eco-Coolers require lower pump HP than Cooler A and lower pump HP and fan HP than Cooler B. Additionally, the eco-Coolers provide either a similar or smaller footprint along with the HP savings.

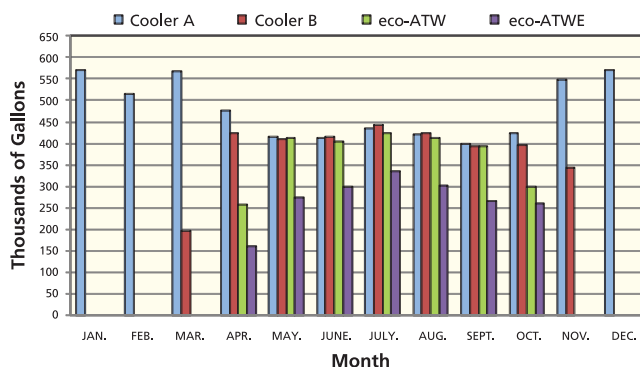
With the increased dry cooling efficiency of the eco-ATW and eco-ATWE and the use of the **Sage®** Water and Energy Conserva-

tion Control System, each unit is able to operate dry for 48.00% of the year. Additionally, the revolutionary design of the eco-ATWE allows the unit to operate in a Water Efficient Mode for an **additional 47.9%** of the year, further reducing water consumption. This is illustrated below:

Yearly Temperature Curve



Monthly Water Usage Comparison



Dry Mode of Operation Comparison

	eco-ATW 12-6L12-Z	eco-ATWE 12-6L12-Z	Cooler A	Cooler B
Dry Bulb Switchover °F(°C)	46.22(7.9)	46.22(7.9)	N/A	33.44(0.8)
% Dry Operation (Hrs.)	48.00%	48.00%	N/A	31.00%
% Water Efficient Mode (Hrs.)	N/A	47.90%	N/A	N/A

Due to the Dry Operation capabilities of the eco-Coolers and the added Water Efficient Mode of the eco-ATWE, the reduced costs associated with water usage are illustrated below:

Annual Water Cost Comparisons

	eco-ATW 12-6L12-Z	eco-ATWE 12-6L12-Z	Cooler A	Cooler B
Total Annual Water Usage* gallons (m³)	2,609,876 (9878)	1,897,074 (7180)	5,753,899 (21779)	3,568,387 (13506)
% Savings vs. Cooler A/ Cooler B/	54.64%/ 26.86%	67.03%/ 46.84%	-/ -	37.98%/ -
Annual Water Savings vs. Cooler A/ Cooler B/**	\$18,864/ \$5,751	\$23,140/ \$10,027	-/ -	\$8,132/ -

* Based on 3 cycles of concentration ** \$US0.006 per gallon (Water & Sewer)

Summarizing these costs, the eco-Coolers will save the operator a minimum of \$US18,864 per year in associated water costs vs. a typical cooler and up to \$US10,000 vs. an induced draft counter-flow cooler with some dry capacity.

eco-Coolers

NOTES

In its continuing commitment to be the leaders in evaporative cooling equipment design and services, EVAPCO eco-ATW and eco-ATWE Closed Circuit Coolers are now **Independently Certified** to withstand both Seismic and Wind Loads in ALL Geographic Locations and Installations in accordance with IBC 2006.

What is IBC?

International Building Code

The International Building Code (IBC) is a comprehensive set of regulations addressing both the structural design and the installation requirements for building systems – including HVAC and industrial refrigeration equipment. The IBC is intended to replace BOCA's The National Building Code, ICBO's Uniform Building Code and SBCCI's Standard Building Code.

Compared to previous building codes that considered only the building structure and component anchorage, the requirements contained within the IBC address anchorage, structural integrity, and the operational capability of a component following either a seismic or wind load event. **Simply stated, the IBC code provisions require that evaporative cooling equipment, and all other components permanently installed on a structure, must be designed to meet the same seismic and wind load forces as the building to which they are attached.**

How Does IBC 2006 Apply to Closed Circuit Coolers?

Based on the project zip code and site design factors, calculations are made to determine the equivalent seismic "g force" and wind load on the unit. The closed circuit cooler must be designed to withstand the greater of either the seismic or wind load. More than 80% of the United States has design criteria

The New eco-ATW/eco-ATWE is offered with a choice of TWO structural design packages:

- **Standard Structural Design** – For projects with $\leq 1.0g$ seismic or 7kPa (145 psf) wind loads
- **Upgraded Structural Design** – Required for projects with $> 1.0g$ seismic or 7kPa (145 psf) max wind loads

resulting in a seismic design force of 1.0g or below. These sites will be provided with the standard eco-ATW/eco-ATWE structural design. An upgraded structural design is available for installations with design criteria resulting in "g forces" greater than 1.0g. The highest upgraded structural is designed for 5.12g and 7kPa wind load.

Seismic Design

The IBC specifies that all installed components must meet the requirements of ASCE 7-05 (American Society of Civil Engineers, Minimum Design Loads for Buildings and Other Structures) . Exemptions noted in the code are for all mechanical components assigned to seismic design categories A or B. ASCE 7-05 explicitly states that in addition to the attachment and supports, the component itself must be designed to withstand the seismic forces prescribed in the code. Simply stated, the code provisions require that evaporative cooling equipment and all other components permanently installed on a structure must meet the same seismic design criteria as the building.

IBC COMPLIANCE

eco-Coolers

Design Implementation

EVAPCO applies the seismic design and wind load information provided for the project to determine the equipment design necessary to meet IBC requirements. This process ensures that the mechanical equipment and its components are compliant per the provisions of the IBC as given in the plans and specifications for the project.

In order to achieve this goal, an architect or civil engineer is responsible for analyzing the soil and the design of a structure to determine the factors to be used. A mechanical consulting engineer and/or design build contractor applies these factors to advise the manufacturer on the proper design for the application. EVAPCO takes this information and determines the necessary equipment to meet IBC regulations. Evapco then determines the closed circuit cooler design requirements based on the IBC criteria. The standard eco-ATW/eco-ATWE design is independently certified to meet the 1g IBC compliance factors. For applications that require a more severe seismic duty, EVAPCO offers an optional 5.12g construction design. This process ensures that the mechanical equipment and its components are seismically compliant per the provisions of the International Building Code.

Independent Certification

As required by the International Building Code, EVAPCO supplies a certificate of compliance as part of its submittal documents. The certificate of compliance demonstrates that the equipment has been independently tested and analyzed in accordance with the IBC seismic and wind load requirements. Evapco has worked closely with Vibrations Mountings and Controls Group (VMC) to complete the independent equipment testing and analysis.

If the seismic "g force" or wind load kPa requirements for the project site are known, please contact your local EVAPCO Representative to choose the required structural design package - either standard construction or upgraded construction.

For further questions regarding IBC compliance, please contact your local EVAPCO Representative or visit www.evapco.com and www.evapcoasia.com.

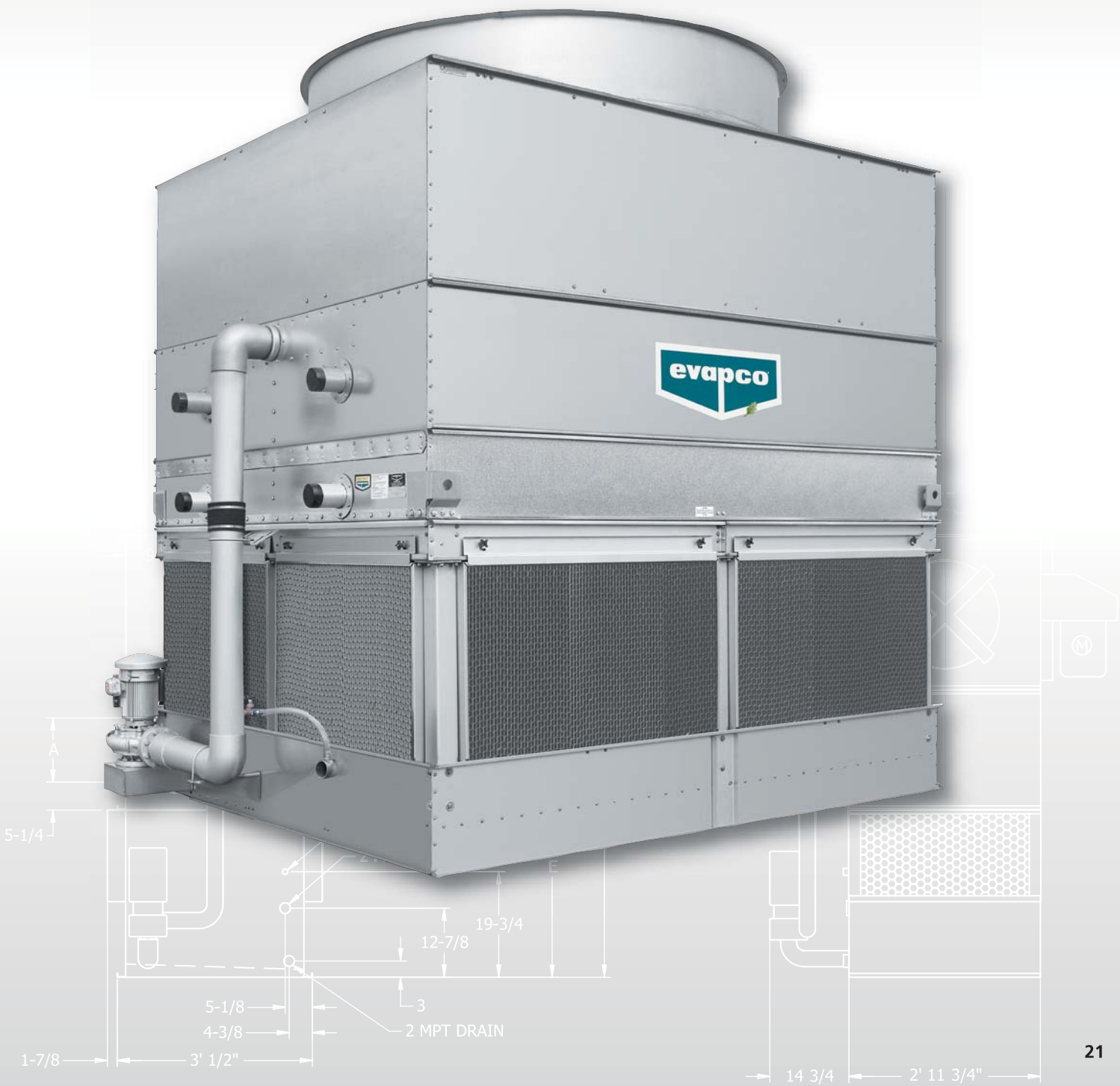
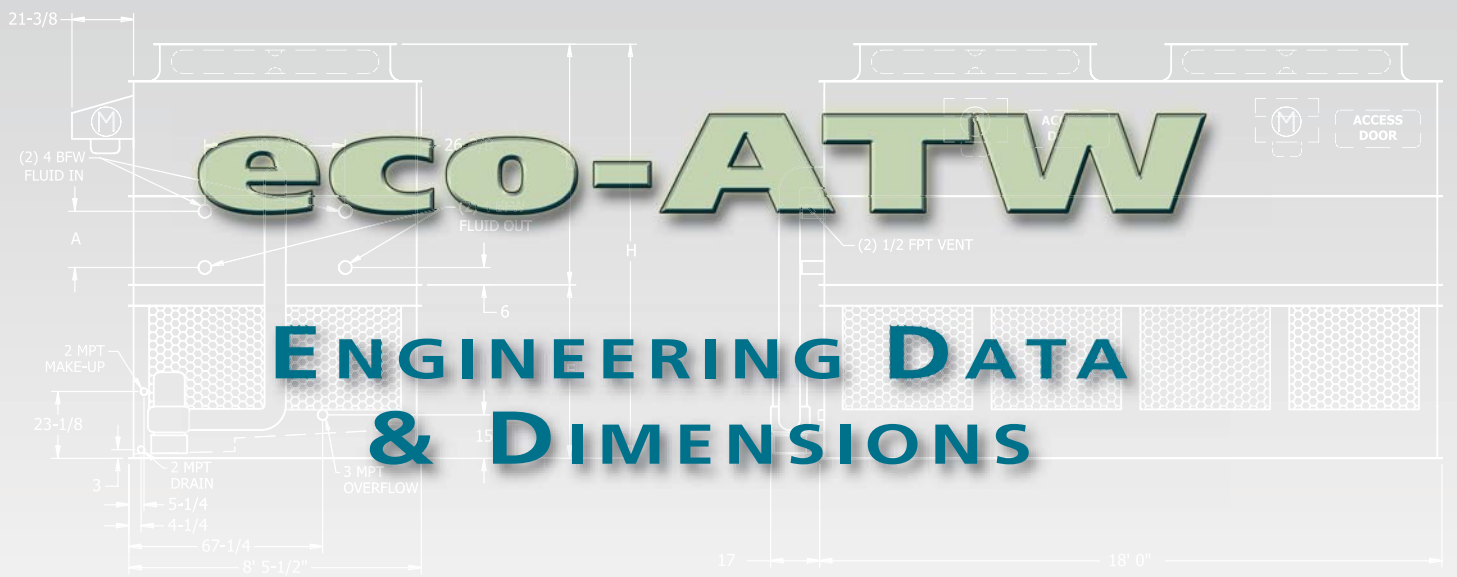
A sample of the certificate of compliance and unit label is presented below.

When using the EVAPCO selection software to make a selection, these calculations are already incorporated into the selection process. Simply enter the required seismic factors and the Seismic Design Force and Wind Load will be calculated automatically!!



eco-Coolers

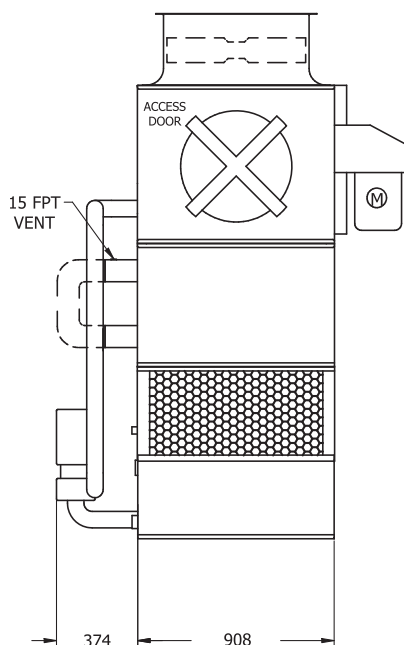
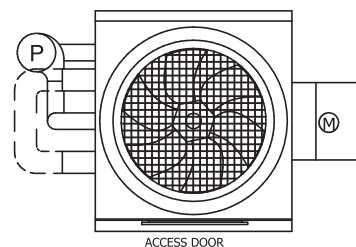
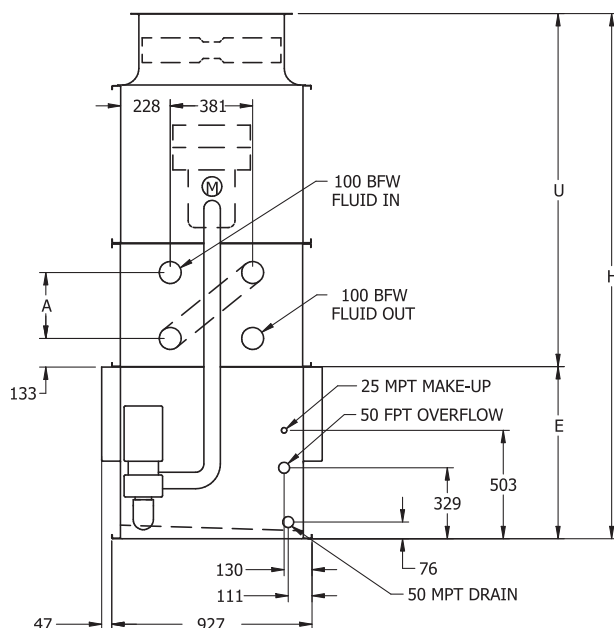
NOTES



eco-ATW

Engineering Data & Dimensions

eco-ATW Models 3-2C3-Z to 3-5D3-Z



Note: The number of coil connections doubles when the flow rate exceeds 28 l/s on 0.9mx0.9m (eco-ATW 3x3) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 3-2C3-Z	570	440	810	0.75	2.2	0.55	6.3	59	380	150	700	305	1632	797	2429
eco-ATW 3-3C3-Z	670	540	930	0.75	2.1	0.55	6.3	78	380	150	820	521	1848	797	2645
eco-ATW 3-4C3-Z	750	630	1,030	0.75	2.0	0.55	6.3	97	380	150	930	737	2064	797	2861
eco-ATW 3-4D3-Z	760	630	1,040	1.1	2.3	0.55	6.3	97	380	150	930	737	2064	797	2861
eco-ATW 3-5D3-Z	840	720	1,140	0.75	2.0	0.55	6.3	117	380	150	1,030	953	2280	797	3077

† Model Numbers end in "-Z" for units with Series Flow piping configuration. 0.9mx0.9m eco-ATW units are only available in Series Flow and will require crossover piping which can either be supplied by the factory or by others. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

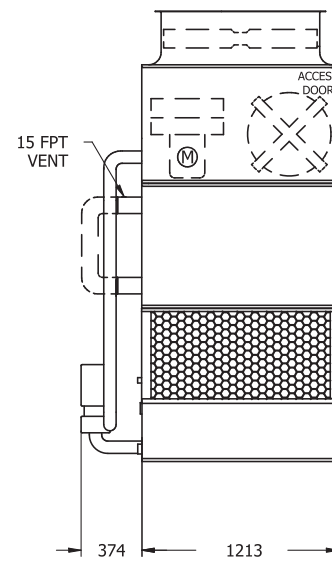
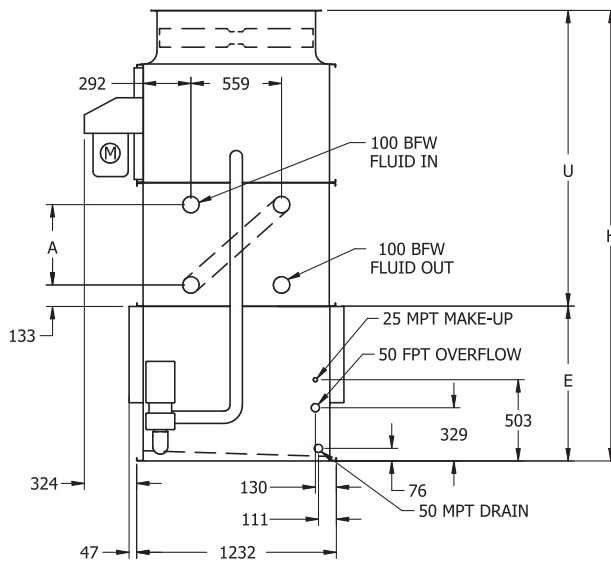
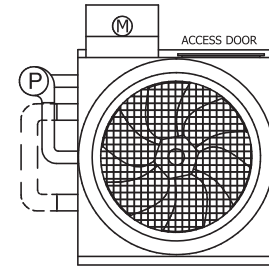
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 4-2E4-Z to 4-5F4-Z



Note: The number of coil connections doubles when the flow rate exceeds 28 l/s on 1.2mx1.2m (eco-ATW 4x4) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 4-2E4-Z	870	690	1,300	1.5	4.1	0.55	6.3	100	380	150	1,140	305	1632	956	2588
eco-ATW 4-3E4-Z	1,040	860	1,510	1.5	3.9	0.55	6.3	138	380	150	1,350	495	1822	956	2778
eco-ATW 4-4E4-Z	1,190	1,020	1,700	1.5	3.8	0.55	6.3	175	380	150	1,540	686	2013	956	2969
eco-ATW 4-4F4-Z	1,210	1,030	1,710	2.2	4.3	0.55	6.3	175	380	150	1,550	686	2013	956	2969
eco-ATW 4-5E4-Z	1,360	1,180	1,900	1.5	3.7	0.55	6.3	213	380	150	1,740	876	2203	956	3159
eco-ATW 4-5F4-Z	1,370	1,200	1,910	2.2	4.2	0.55	6.3	213	380	150	1,760	876	2203	956	3159

† Model Numbers end in "-Z" for units with Series Flow piping configuration. 1.2mx1.2m eco-ATW units are only available in Series Flow and will require crossover piping which can either be supplied by the factory or by others. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

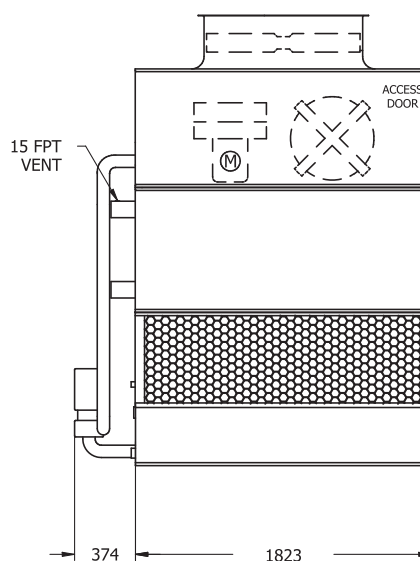
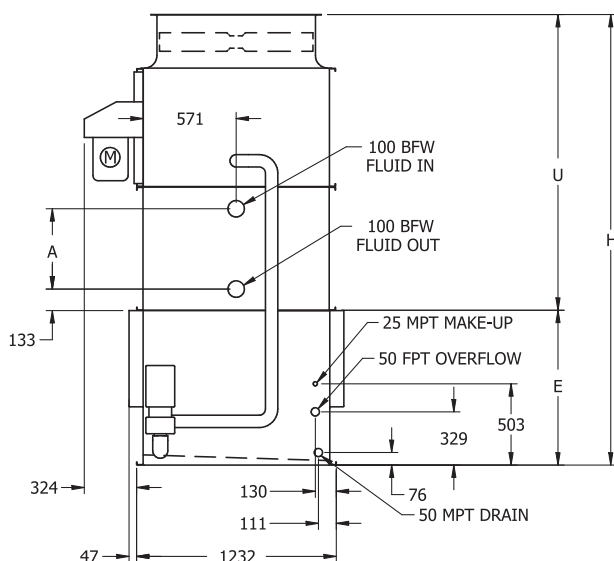
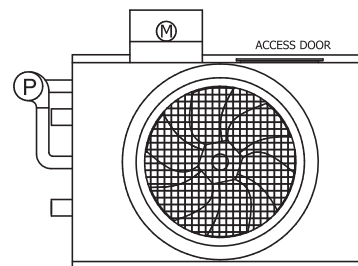
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 4-3E6 to 4-5G6



Note: The number of coil connections doubles when the flow rate exceeds 28 l/s on 1.2mx1.8m (eco-ATW 4x6) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 4-3E6	1,450	1,220	2,140	1.5	5.2	0.55	8.5	198	455	150	1,930	495	1819	956	2778
eco-ATW 4-3F6	1,460	1,230	2,150	2.2	5.9	0.55	8.5	198	455	150	1,940	495	1819	956	2778
eco-ATW 4-3G6	1,470	1,230	2,150	4	6.9	0.55	8.5	198	455	150	1,950	495	1819	956	2778
eco-ATW 4-4E6	1,680	1,450	2,430	1.5	5.0	0.55	8.5	255	455	150	2,220	686	2010	956	2969
eco-ATW 4-4F6	1,690	1,460	2,440	2.2	5.7	0.55	8.5	255	455	150	2,230	686	2010	956	2969
eco-ATW 4-4G6	1,700	1,470	2,440	4	6.7	0.55	8.5	255	455	150	2,240	686	2010	956	2969
eco-ATW 4-5E6	1,930	1,700	2,730	1.5	4.9	0.55	8.5	313	455	150	2,520	876	2200	956	3159
eco-ATW 4-5F6	1,940	1,710	2,740	2.2	5.6	0.55	8.5	313	455	150	2,540	876	2200	956	3159
eco-ATW 4-5G6	1,950	1,710	2,750	4	6.5	0.55	8.5	313	455	150	2,540	876	2200	956	3159

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

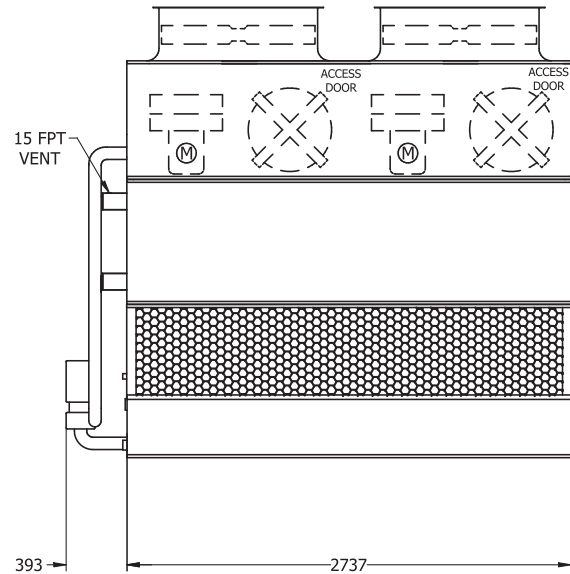
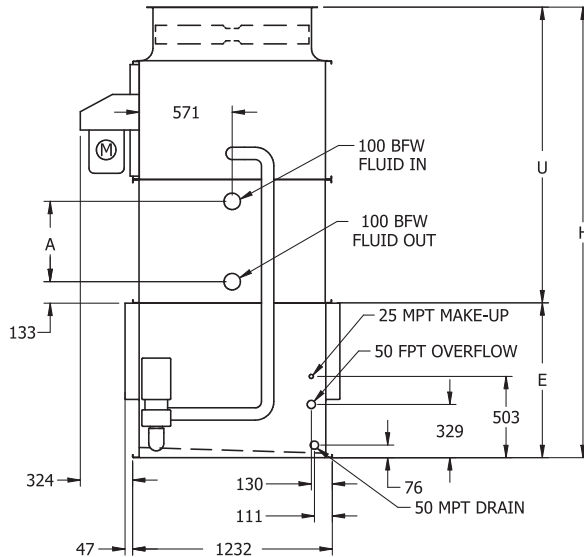
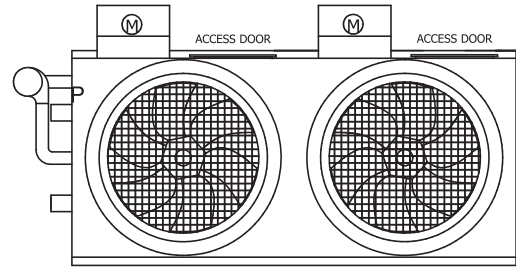
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 4-3E9 to 4-5F9



Note: The number of coil connections doubles when the flow rate exceeds 28 l/s on 1.2mx2.7m (eco-ATW 4x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 4-3E9	2,140	1,830	3,130	(2) 1.5	8.5	0.75	12.6	288	680	150	2,850	495	1819	956	2778
eco-ATW 4-3F9	2,160	1,860	3,160	(2) 2.2	9.6	0.75	12.6	288	680	150	2,880	495	1819	956	2778
eco-ATW 4-4E9	2,480	2,170	3,560	(2) 1.5	8.3	0.75	12.6	376	680	150	3,280	686	2010	956	2969
eco-ATW 4-4F9	2,500	2,200	3,590	(2) 2.2	9.4	0.75	12.6	376	680	150	3,310	686	2010	956	2969
eco-ATW 4-5E9	2,840	2,540	4,020	(2) 1.5	8.0	0.75	12.6	463	680	150	3,740	876	2200	956	3159
eco-ATW 4-5F9	2,870	2,570	4,050	(2) 2.2	9.1	0.75	12.6	463	680	150	3,760	876	2200	956	3159

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

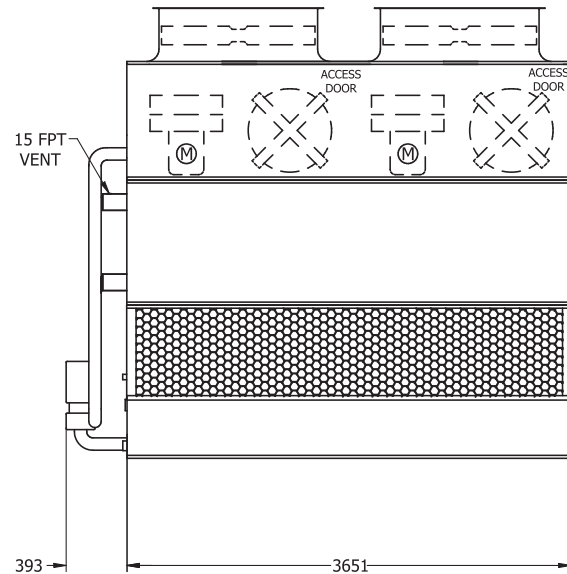
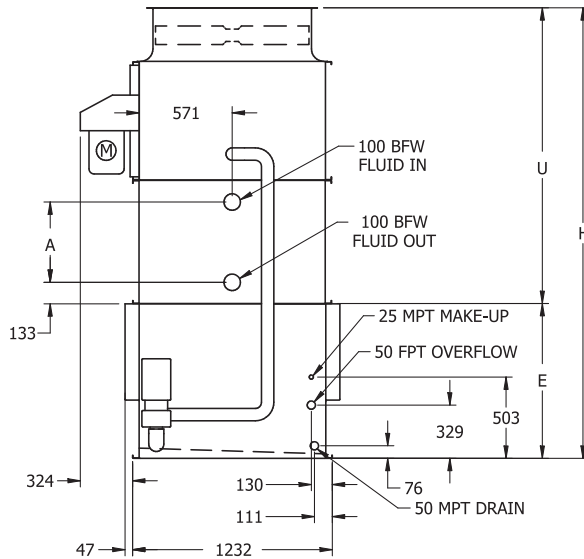
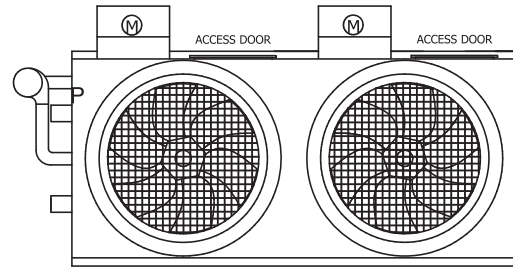
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 4-3E12 to 4-5G12



Note: The number of coil connections doubles when the flow rate exceeds 28 l/s on 1.2mx3.6m (eco-ATW 4x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 4-3E12	2,610	2,240	3,930	(2) 1.5	10.3	1.1	17.0	378	870	200	3,570	495	1819	956	2778
eco-ATW 4-3F12	2,640	2,270	3,960	(2) 2.2	11.8	1.1	17.0	378	870	200	3,600	495	1819	956	2778
eco-ATW 4-3G12	2,650	2,280	3,960	(2) 4	13.7	1.1	17.0	378	870	200	3,610	495	1819	956	2778
eco-ATW 4-4E12	3,080	2,700	4,510	(2) 1.5	10.0	1.1	17.0	496	870	200	4,150	686	2010	956	2969
eco-ATW 4-4F12	3,100	2,730	4,540	(2) 2.2	11.5	1.1	17.0	496	870	200	4,180	686	2010	956	2969
eco-ATW 4-4G12	3,110	2,740	4,540	(2) 4	13.3	1.1	17.0	496	870	200	4,190	686	2010	956	2969
eco-ATW 4-5E12	3,570	3,190	5,120	(2) 1.5	9.7	1.1	17.0	613	870	200	4,760	876	2200	956	3159
eco-ATW 4-5F12	3,590	3,220	5,140	(2) 2.2	11.1	1.1	17.0	613	870	200	4,790	876	2200	956	3159
eco-ATW 4-5G12	3,600	3,230	5,150	(2) 4	12.9	1.1	17.0	613	870	200	4,800	876	2200	956	3159

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

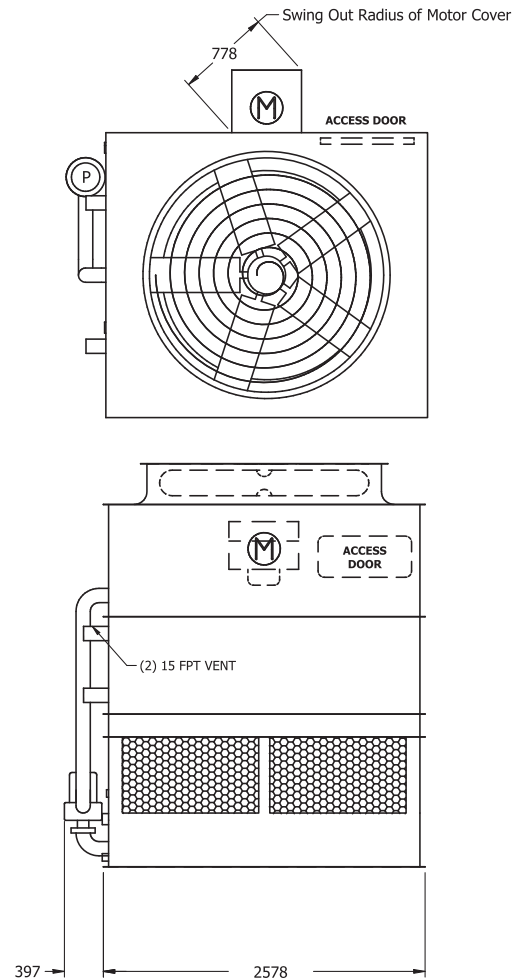
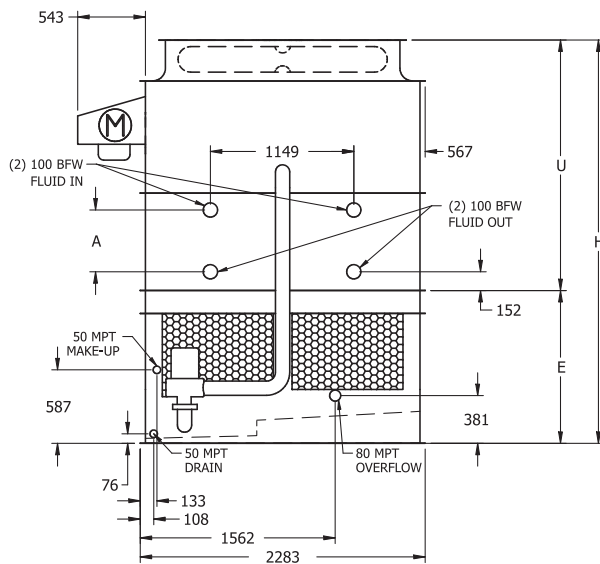
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 9-3G8 to 9-6J8



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx2.2m (eco-ATW 9x8) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 9-3G8	3,620	3,030	5,170	4	13.7	1.5	21.4	542	835	200	4,670	495	2007	1226	3232
eco-ATW 9-3H8	3,640	3,050	5,190	5.5	15.7	1.5	21.4	542	835	200	4,690	495	2007	1226	3232
eco-ATW 9-3I8	3,650	3,060	5,200	7.5	17.2	1.5	21.4	542	835	200	4,700	495	2007	1226	3232
eco-ATW 9-3J8	3,710	3,120	5,260	11	19.3	1.5	21.4	542	835	200	4,760	495	2007	1226	3232
eco-ATW 9-4G8	4,230	3,640	5,940	4	13.3	1.5	21.4	707	835	200	5,440	686	2197	1226	3423
eco-ATW 9-4H8	4,250	3,660	5,960	5.5	15.2	1.5	21.4	707	835	200	5,470	686	2197	1226	3423
eco-ATW 9-4I8	4,250	3,670	5,970	7.5	16.7	1.5	21.4	707	835	200	5,470	686	2197	1226	3423
eco-ATW 9-4J8	4,310	3,720	6,030	11	18.7	1.5	21.4	707	835	200	5,530	686	2197	1226	3423
eco-ATW 9-5H8	4,900	4,310	6,780	5.5	14.8	1.5	21.4	872	835	200	6,280	876	2388	1226	3613
eco-ATW 9-5I8	4,900	4,310	6,790	7.5	16.2	1.5	21.4	872	835	200	6,290	876	2388	1226	3613
eco-ATW 9-5J8	4,960	4,370	6,840	11	18.1	1.5	21.4	872	835	200	6,350	876	2388	1226	3613
eco-ATW 9-6H8	5,540	4,950	7,580	5.5	14.3	1.5	21.4	1038	835	200	7,090	1067	2578	1226	3804
eco-ATW 9-6I8	5,540	4,950	7,590	7.5	15.7	1.5	21.4	1038	835	200	7,090	1067	2578	1226	3804
eco-ATW 9-6J8	5,600	5,010	7,650	11	17.6	1.5	21.4	1038	835	200	7,150	1067	2578	1226	3804

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

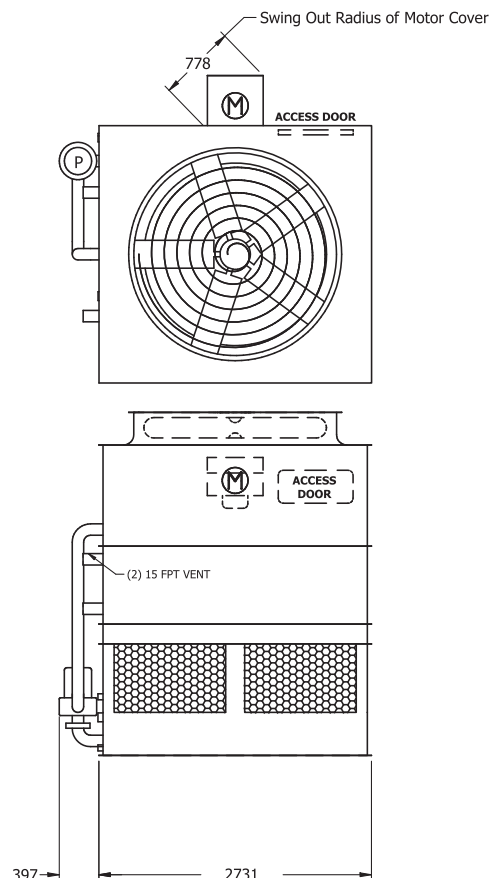
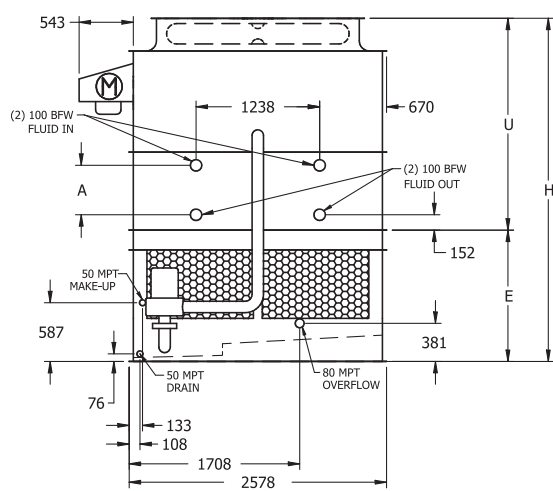
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 9-3H9 to 9-6K9



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx2.7m (eco-ATW 9x9) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 9-3H9	4,290	3,640	6,100	5.5	17.7	1.5	25.8	623	945	200	5,520	495	2121	1318	3439
eco-ATW 9-3I9	4,300	3,640	6,110	7.5	19.5	1.5	25.8	623	945	200	5,520	495	2121	1318	3439
eco-ATW 9-3J9	4,350	3,700	6,160	11	21.9	1.5	25.8	623	945	200	5,580	495	2121	1318	3439
eco-ATW 9-3K9	4,380	3,730	6,190	15	23.8	1.5	25.8	623	945	200	5,610	495	2121	1318	3439
eco-ATW 9-4H9	5,020	4,370	7,020	5.5	17.2	1.5	25.8	812	945	200	6,440	686	2311	1318	3629
eco-ATW 9-4I9	5,030	4,370	7,020	7.5	18.9	1.5	25.8	812	945	200	6,440	686	2311	1318	3629
eco-ATW 9-4J9	5,080	4,430	7,080	11	21.3	1.5	25.8	812	945	200	6,500	686	2311	1318	3629
eco-ATW 9-4K9	5,110	4,460	7,110	15	23.1	1.5	25.8	812	945	200	6,530	686	2311	1318	3629
eco-ATW 9-5H9	5,800	5,150	7,990	5.5	16.7	1.5	25.8	1001	945	200	7,410	876	2502	1318	3820
eco-ATW 9-5I9	5,810	5,150	7,990	7.5	18.3	1.5	25.8	1001	945	200	7,410	876	2502	1318	3820
eco-ATW 9-5J9	5,860	5,210	8,050	11	20.6	1.5	25.8	1001	945	200	7,470	876	2502	1318	3820
eco-ATW 9-5K9	5,890	5,240	8,080	15	22.4	1.5	25.8	1001	945	200	7,500	876	2502	1318	3820
eco-ATW 9-6I9	6,570	5,910	8,940	7.5	17.8	1.5	25.8	1191	945	200	8,360	1067	2692	1318	4010
eco-ATW 9-6J9	6,630	5,970	9,000	11	20.0	1.5	25.8	1191	945	200	8,420	1067	2692	1318	4010
eco-ATW 9-6K9	6,650	6,000	9,030	15	21.7	1.5	25.8	1191	945	200	8,450	1067	2692	1318	4010

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

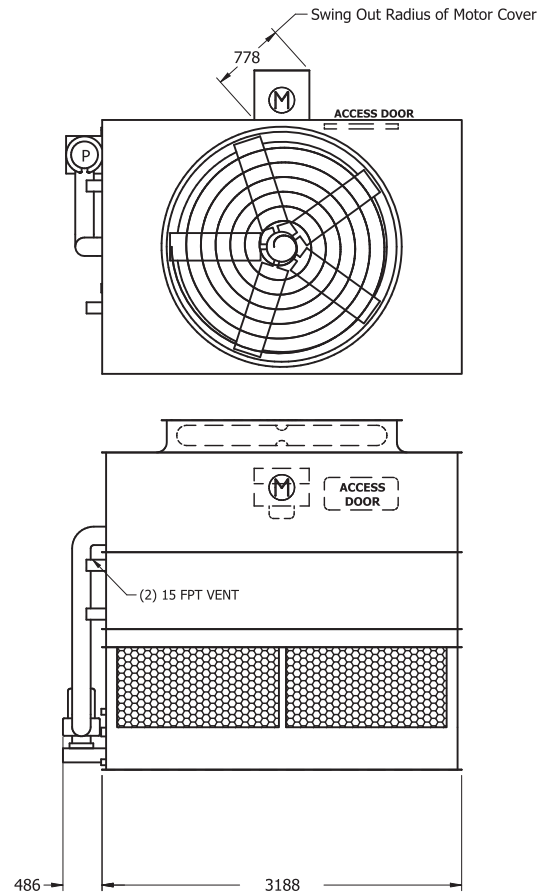
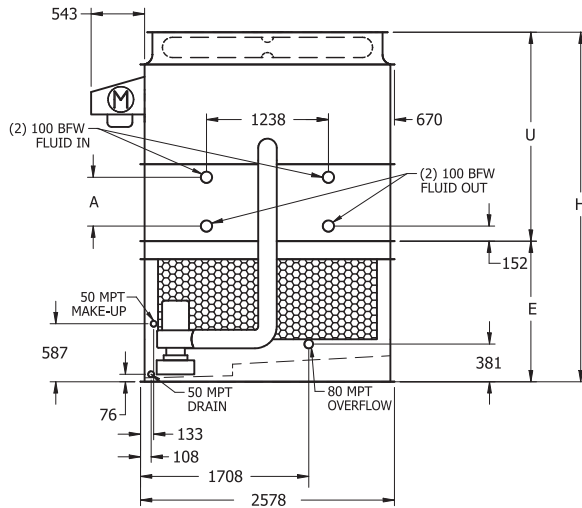
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 9-3H11 to 9-6L11



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx3.1m (eco-ATW 9x11) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 9-3H11	4,950	4,200	7,070	5.5	19.6	2.2	31.5	720	1100	250	6,390	495	2121	1318	3439
eco-ATW 9-3I11	4,960	4,210	7,080	7.5	21.6	2.2	31.5	720	1100	250	6,400	495	2121	1318	3439
eco-ATW 9-3J11	5,010	4,270	7,140	11	24.5	2.2	31.5	720	1100	250	6,450	495	2121	1318	3439
eco-ATW 9-3K11	5,040	4,300	7,160	15	26.6	2.2	31.5	720	1100	250	6,480	495	2121	1318	3439
eco-ATW 9-4H11	5,800	5,050	8,140	5.5	19.1	2.2	31.5	942	1100	250	7,460	686	2311	1318	3629
eco-ATW 9-4I11	5,810	5,060	8,150	7.5	21.0	2.2	31.5	942	1100	250	7,470	686	2311	1318	3629
eco-ATW 9-4J11	5,860	5,120	8,210	11	23.8	2.2	31.5	942	1100	250	7,520	686	2311	1318	3629
eco-ATW 9-4K11	5,890	5,140	8,230	15	25.8	2.2	31.5	942	1100	250	7,550	686	2311	1318	3629
eco-ATW 9-5I11	6,720	5,980	9,290	7.5	20.3	2.2	31.5	1164	1100	250	8,600	876	2502	1318	3820
eco-ATW 9-5J11	6,780	6,030	9,340	11	23.1	2.2	31.5	1164	1100	250	8,660	876	2502	1318	3820
eco-ATW 9-5K11	6,800	6,060	9,370	15	25.0	2.2	31.5	1164	1100	250	8,690	876	2502	1318	3820
eco-ATW 9-5L11	6,820	6,070	9,380	18.5	26.6	2.2	31.5	1164	1100	250	8,700	876	2502	1318	3820
eco-ATW 9-6J11	7,660	6,920	10,450	11	22.4	2.2	31.5	1386	1100	250	9,770	1067	2692	1318	4010
eco-ATW 9-6K11	7,690	6,940	10,480	15	24.2	2.2	31.5	1386	1100	250	9,790	1067	2692	1318	4010
eco-ATW 9-6L11	7,700	6,960	10,490	18.5	25.8	2.2	31.5	1386	1100	250	9,810	1067	2692	1318	4010

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

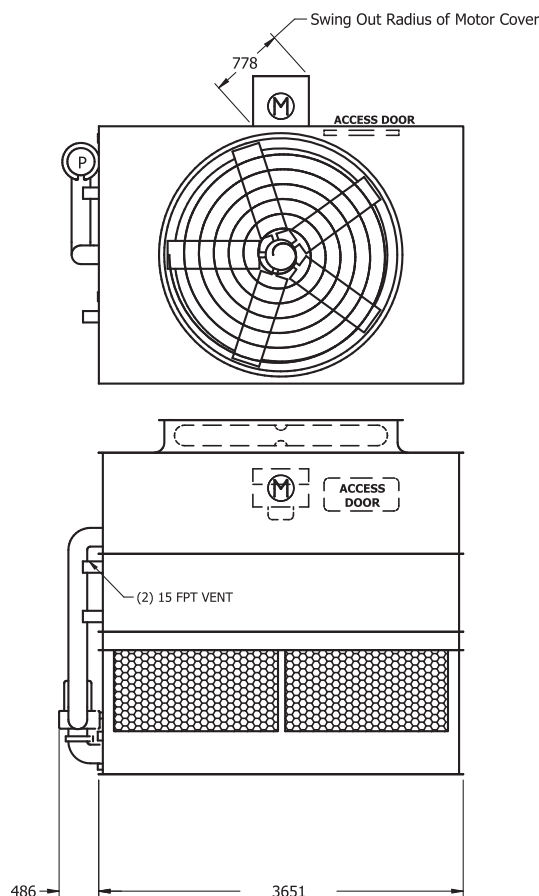
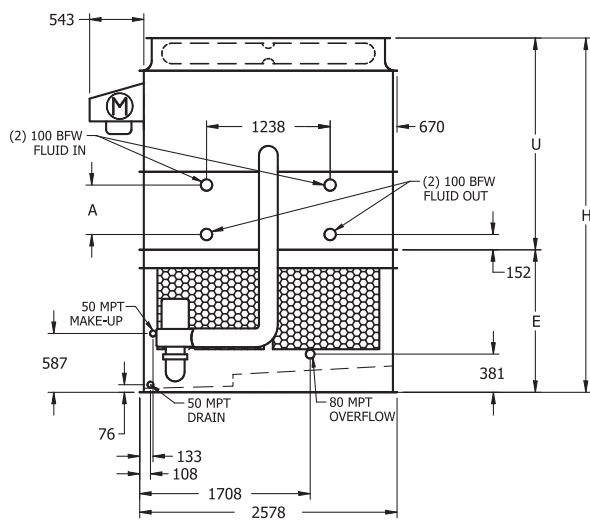
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 9-3I12 to 9-6M12



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx3.6m (eco-ATW 9x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 9-3I12	5,390	4,540	7,860	7.5	23.6	4	34.7	817	1250	250	7,050	495	2121	1429	3550
eco-ATW 9-3J12	5,450	4,600	7,920	11	27.0	4	34.7	817	1250	250	7,110	495	2121	1429	3550
eco-ATW 9-3K12	5,480	4,630	7,950	15	29.3	4	34.7	817	1250	250	7,140	495	2121	1429	3550
eco-ATW 9-3L12	5,490	4,640	7,960	18.5	31.2	4	34.7	817	1250	250	7,150	495	2121	1429	3550
eco-ATW 9-4I12	6,390	5,540	9,110	7.5	23.0	4	34.7	1072	1250	250	8,300	686	2311	1429	3740
eco-ATW 9-4J12	6,450	5,600	9,170	11	26.2	4	34.7	1072	1250	250	8,360	686	2311	1429	3740
eco-ATW 9-4K12	6,470	5,620	9,190	15	28.4	4	34.7	1072	1250	250	8,390	686	2311	1429	3740
eco-ATW 9-4L12	6,490	5,640	9,210	18.5	30.3	4	34.7	1072	1250	250	8,400	686	2311	1429	3740
eco-ATW 9-5J12	7,430	6,580	10,410	11	25.4	4	34.7	1326	1250	250	9,600	876	2502	1429	3931
eco-ATW 9-5K12	7,460	6,610	10,430	15	27.6	4	34.7	1326	1250	250	9,630	876	2502	1429	3931
eco-ATW 9-5L12	7,470	6,620	10,450	18.5	29.4	4	34.7	1326	1250	250	9,640	876	2502	1429	3931
eco-ATW 9-5M12	7,490	6,650	10,470	22	30.9	4	34.7	1326	1250	250	9,660	876	2502	1429	3931
eco-ATW 9-6J12	8,450	7,600	11,680	11	24.7	4	34.7	1580	1250	250	10,870	1067	2692	1429	4121
eco-ATW 9-6K12	8,470	7,620	11,700	15	26.7	4	34.7	1580	1250	250	10,900	1067	2692	1429	4121
eco-ATW 9-6L12	8,490	7,640	11,720	18.5	28.4	4	34.7	1580	1250	250	10,910	1067	2692	1429	4121
eco-ATW 9-6M12	8,510	7,660	11,740	22	29.9	4	34.7	1580	1250	250	10,930	1067	2692	1429	4121

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

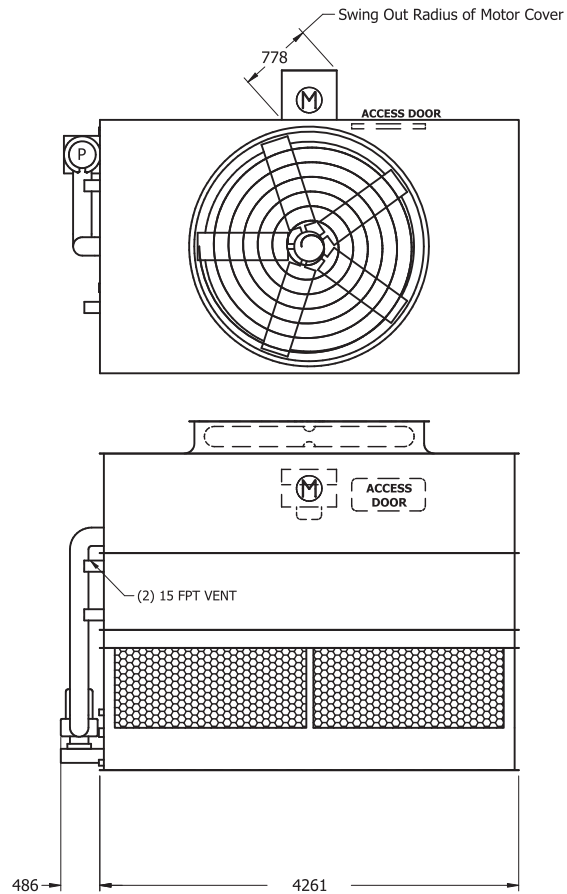
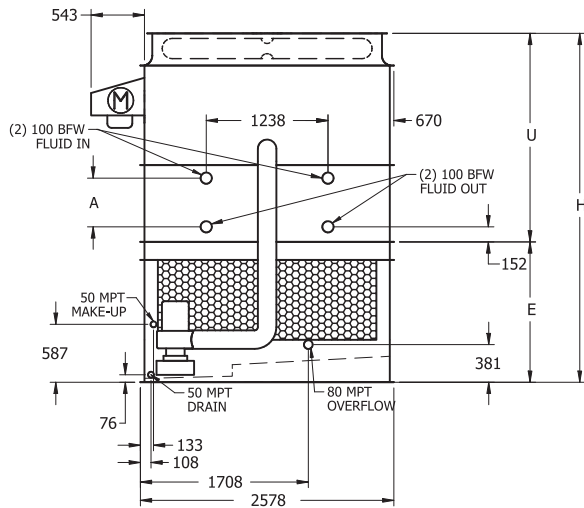
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 9-3I14 to 9-6M14



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx4.2m (eco-ATW 9x14) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 9-3I14	6,120	5,180	8,990	7.5	26.2	4	37.8	947	1440	250	8,060	495	2121	1429	3550
eco-ATW 9-3J14	6,180	5,240	9,040	11	30.0	4	37.8	947	1440	250	8,120	495	2121	1429	3550
eco-ATW 9-3K14	6,210	5,270	9,070	15	32.7	4	37.8	947	1440	250	8,150	495	2121	1429	3550
eco-ATW 9-3L14	6,220	5,280	9,090	18.5	34.8	4	37.8	947	1440	250	8,160	495	2121	1429	3550
eco-ATW 9-4J14	7,330	6,390	10,490	11	29.1	4	37.8	1245	1440	250	9,570	686	2311	1429	3740
eco-ATW 9-4K14	7,360	6,410	10,520	15	31.8	4	37.8	1245	1440	250	9,600	686	2311	1429	3740
eco-ATW 9-4L14	7,370	6,430	10,530	18.5	33.8	4	37.8	1245	1440	250	9,610	686	2311	1429	3740
eco-ATW 9-4M14	7,390	6,450	10,560	22	35.6	4	37.8	1245	1440	250	9,630	686	2311	1429	3740
eco-ATW 9-5J14	8,480	7,540	11,940	11	28.3	4	37.8	1543	1440	250	11,020	876	2502	1429	3931
eco-ATW 9-5K14	8,510	7,570	11,970	15	30.8	4	37.8	1543	1440	250	11,040	876	2502	1429	3931
eco-ATW 9-5L14	8,520	7,580	11,980	18.5	32.8	4	37.8	1543	1440	250	11,060	876	2502	1429	3931
eco-ATW 9-5M14	8,550	7,600	12,000	22	34.5	4	37.8	1543	1440	250	11,080	876	2502	1429	3931
eco-ATW 9-6K14	9,690	8,750	13,440	15	29.9	4	37.8	1840	1440	250	12,520	1067	2692	1429	4121
eco-ATW 9-6L14	9,700	8,760	13,460	18.5	31.8	4	37.8	1840	1440	250	12,540	1067	2692	1429	4121
eco-ATW 9-6M14	9,730	8,780	13,480	22	33.5	4	37.8	1840	1440	250	12,560	1067	2692	1429	4121

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

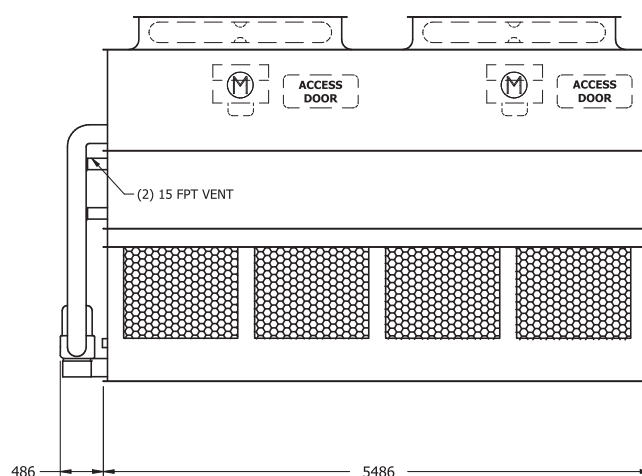
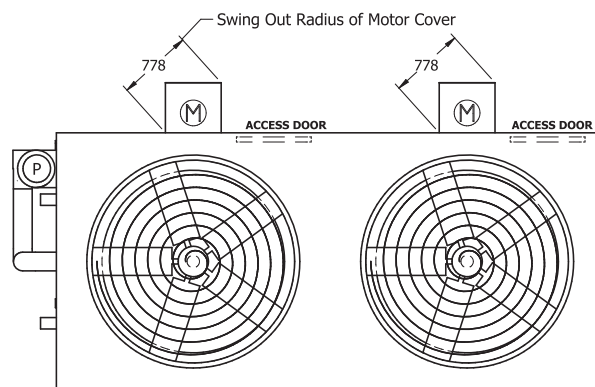
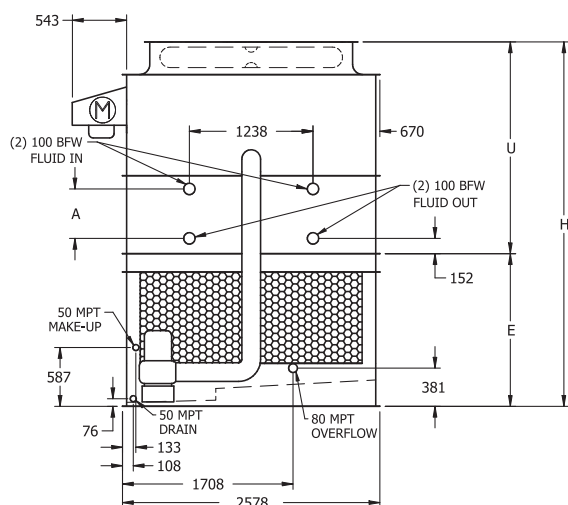
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 9-3-H18 to 9-6K18



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx5.4m (eco-ATW 9x18) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 9-3H18	8,160	6,900	11,870	(2) 5.5	35.5	4	50.4	1207	1930	300	10,710	495	2121	1530	3651
eco-ATW 9-3I18	8,180	6,910	11,880	(2) 7.5	39.1	4	50.4	1207	1930	300	10,730	495	2121	1530	3651
eco-ATW 9-3J18	8,290	7,030	12,000	(2) 11	44.0	4	50.4	1207	1930	300	10,840	495	2121	1530	3651
eco-ATW 9-3K18	8,350	7,080	12,050	(2) 15	47.7	4	50.4	1207	1930	300	10,900	495	2121	1530	3651
eco-ATW 9-4H18	9,660	8,400	13,750	(2) 5.5	34.5	4	50.4	1591	1930	300	12,590	686	2311	1530	3842
eco-ATW 9-4I18	9,680	8,410	13,760	(2) 7.5	38.0	4	50.4	1591	1930	300	12,610	686	2311	1530	3842
eco-ATW 9-4J18	9,790	8,520	13,880	(2) 11	42.7	4	50.4	1591	1930	300	12,720	686	2311	1530	3842
eco-ATW 9-4K18	9,840	8,580	13,930	(2) 15	46.3	4	50.4	1591	1930	300	12,770	686	2311	1530	3842
eco-ATW 9-5H18	11,120	9,860	15,590	(2) 5.5	33.5	4	50.4	1975	1930	300	14,440	876	2502	1530	4032
eco-ATW 9-5I18	11,140	9,870	15,610	(2) 7.5	36.8	4	50.4	1975	1930	300	14,450	876	2502	1530	4032
eco-ATW 9-5J18	11,250	9,980	15,720	(2) 11	41.4	4	50.4	1975	1930	300	14,560	876	2502	1530	4032
eco-ATW 9-5K18	11,300	10,040	15,780	(2) 15	44.9	4	50.4	1975	1930	300	14,620	876	2502	1530	4032
eco-ATW 9-6I18	12,660	11,400	17,520	(2) 7.5	35.7	4	50.4	2360	1930	300	16,370	1067	2692	1530	4223
eco-ATW 9-6J18	12,780	11,510	17,640	(2) 11	40.1	4	50.4	2360	1930	300	16,480	1067	2692	1530	4223
eco-ATW 9-6K18	12,830	11,570	17,690	(2) 15	43.5	4	50.4	2360	1930	300	16,530	1067	2692	1530	4223

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

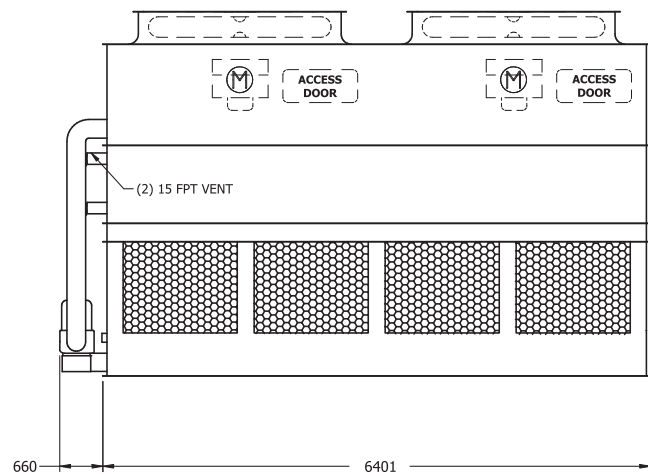
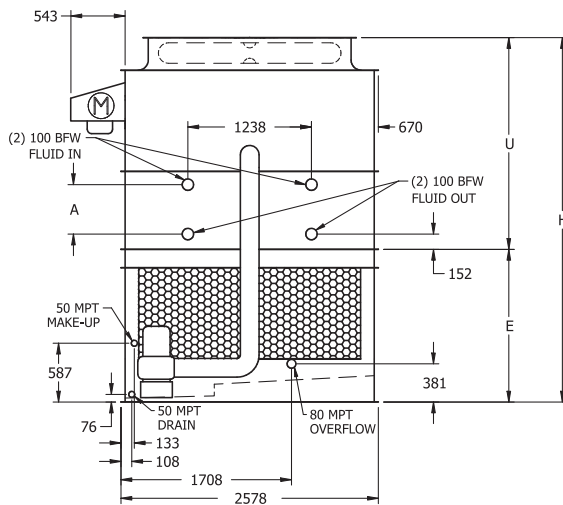
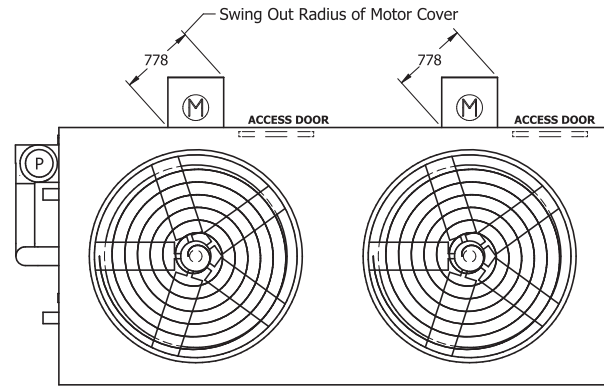
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 9-3H21 to 9-6L21



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx6.4m (eco-ATW 9x21) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 9-3H21	9,310	7,900	13,670	(2) 5.5	39.4	5.5	66.2	1402	2235	300	12,320	495	2121	1530	3651
eco-ATW 9-3I21	9,320	7,920	13,680	(2) 7.5	43.3	5.5	66.2	1402	2235	300	12,330	495	2121	1530	3651
eco-ATW 9-3J21	9,430	8,030	13,790	(2) 11	49.2	5.5	66.2	1402	2235	300	12,450	495	2121	1530	3651
eco-ATW 9-3K21	9,490	8,080	13,850	(2) 15	53.3	5.5	66.2	1402	2235	300	12,500	495	2121	1530	3651
eco-ATW 9-4H21	11,050	9,650	15,860	(2) 5.5	38.2	5.5	66.2	1851	2235	300	14,510	686	2311	1530	3842
eco-ATW 9-4I21	11,070	9,660	15,880	(2) 7.5	42.1	5.5	66.2	1851	2235	300	14,530	686	2311	1530	3842
eco-ATW 9-4J21	11,180	9,770	15,990	(2) 11	47.7	5.5	66.2	1851	2235	300	14,640	686	2311	1530	3842
eco-ATW 9-4K21	11,240	9,830	16,040	(2) 15	51.7	5.5	66.2	1851	2235	300	14,700	686	2311	1530	3842
eco-ATW 9-5I21	12,770	11,360	18,030	(2) 7.5	40.8	5.5	66.2	2300	2235	300	16,680	876	2502	1530	4032
eco-ATW 9-5J21	12,880	11,480	18,140	(2) 11	46.3	5.5	66.2	2300	2235	300	16,790	876	2502	1530	4032
eco-ATW 9-5K21	12,940	11,530	18,190	(2) 15	50.2	5.5	66.2	2300	2235	300	16,850	876	2502	1530	4032
eco-ATW 9-5L21	12,960	11,560	18,220	(2) 18.5	53.4	5.5	66.2	2300	2235	300	16,870	876	2502	1530	4032
eco-ATW 9-6J21	14,660	13,250	20,360	(2) 11	44.9	5.5	66.2	2749	2235	300	19,010	1067	2692	1530	4223
eco-ATW 9-6K21	14,710	13,300	20,420	(2) 15	48.6	5.5	66.2	2749	2235	300	19,070	1067	2692	1530	4223
eco-ATW 9-6L21	14,740	13,330	20,440	(2) 18.5	51.8	5.5	66.2	2749	2235	300	19,100	1067	2692	1530	4223

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

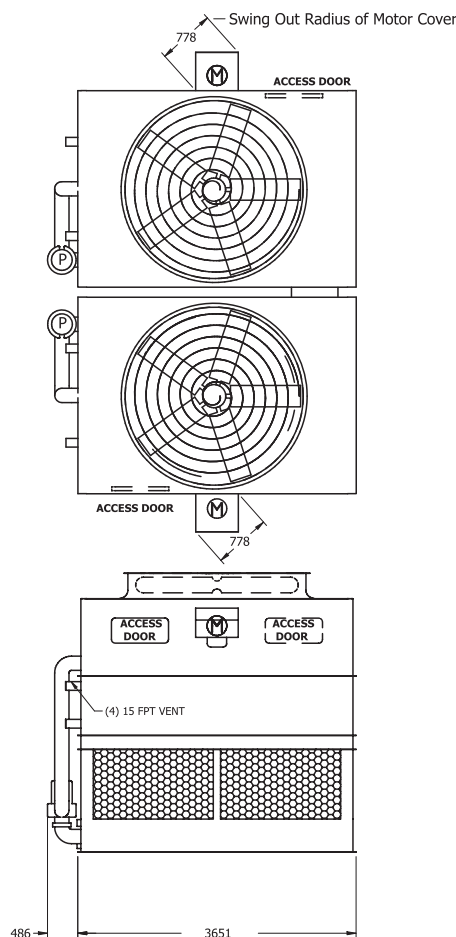
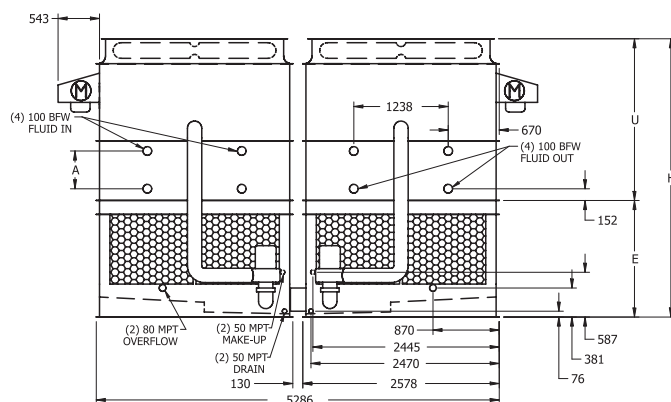
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 17-3I12 to 17-6M12



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 5.2mx3.6m (eco-ATW 17x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump ▲			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 17-3I12	10,790	4,540	15,720	(2) 7.5	47.3	4	69.3	1635	2500	(2) 250	14,110	495	2121	1530	3651
eco-ATW 17-3J12	10,900	4,600	15,840	(2) 11	54.0	4	69.3	1635	2500	(2) 250	14,220	495	2121	1530	3651
eco-ATW 17-3K12	10,960	4,630	15,890	(2) 15	58.6	4	69.3	1635	2500	(2) 250	14,280	495	2121	1530	3651
eco-ATW 17-3L12	10,990	4,640	15,920	(2) 18.5	62.3	4	69.3	1635	2500	(2) 250	14,310	495	2121	1530	3651
eco-ATW 17-4I12	12,770	5,540	18,220	(2) 7.5	45.9	4	69.3	2143	2500	(2) 250	16,600	686	2311	1530	3842
eco-ATW 17-4J12	12,890	5,600	18,330	(2) 11	52.5	4	69.3	2143	2500	(2) 250	16,720	686	2311	1530	3842
eco-ATW 17-4K12	12,950	5,620	18,390	(2) 15	56.9	4	69.3	2143	2500	(2) 250	16,770	686	2311	1530	3842
eco-ATW 17-4L12	12,970	5,640	18,420	(2) 18.5	60.5	4	69.3	2143	2500	(2) 250	16,800	686	2311	1530	3842
eco-ATW 17-5J12	14,860	6,580	20,810	(2) 11	50.9	4	69.3	2652	2500	(2) 250	19,200	876	2502	1530	4032
eco-ATW 17-5K12	14,910	6,610	20,870	(2) 15	55.2	4	69.3	2652	2500	(2) 250	19,250	876	2502	1530	4032
eco-ATW 17-5L12	14,940	6,620	20,890	(2) 18.5	58.7	4	69.3	2652	2500	(2) 250	19,280	876	2502	1530	4032
eco-ATW 17-5M12	14,990	6,650	20,940	(2) 22	61.8	4	69.3	2652	2500	(2) 250	19,320	876	2502	1530	4032
eco-ATW 17-6J12	16,890	7,600	23,350	(2) 11	49.3	4	69.3	3161	2500	(2) 250	21,740	1067	2692	1530	4223
eco-ATW 17-6K12	16,950	7,620	23,410	(2) 15	53.5	4	69.3	3161	2500	(2) 250	21,790	1067	2692	1530	4223
eco-ATW 17-6L12	16,970	7,640	23,430	(2) 18.5	56.9	4	69.3	3161	2500	(2) 250	21,820	1067	2692	1530	4223
eco-ATW 17-6M12	17,020	7,660	23,480	(2) 22	59.9	4	69.3	3161	2500	(2) 250	21,860	1067	2692	1530	4223

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

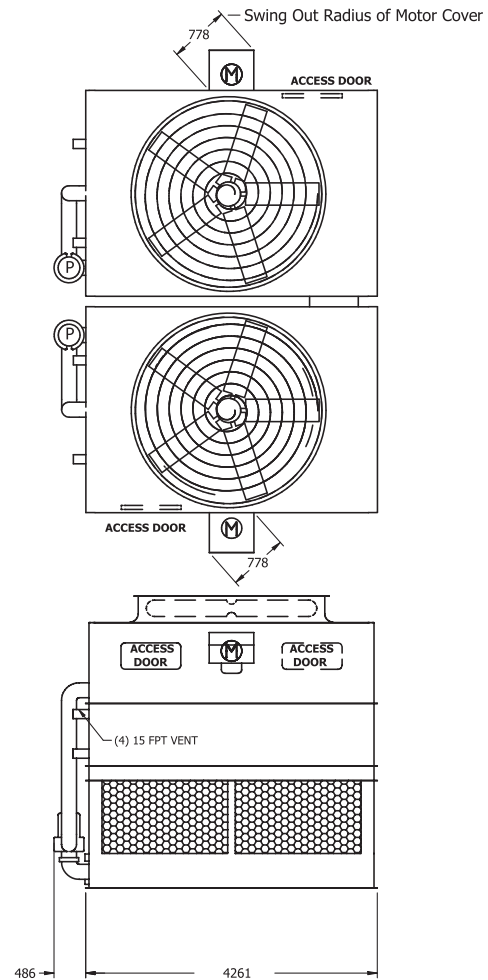
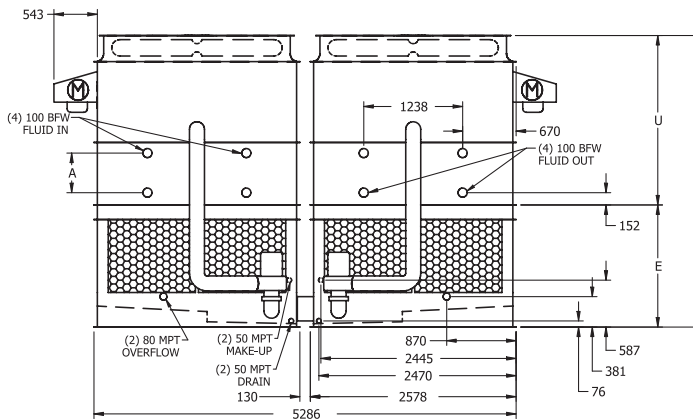
▲ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 17-3I14 to 17-6M14



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 5.2mx4.2m (eco-ATW 17x14) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 17-3I14	12,250	5,180	17,970	(2) 7.5	52.4	4	75.6	1895	2875	(2) 250	16,130	495	2121	1683	3804
eco-ATW 17-3J14	12,360	5,240	18,090	(2) 11	60.0	4	75.6	1895	2875	(2) 250	16,250	495	2121	1683	3804
eco-ATW 17-3K14	12,420	5,270	18,140	(2) 15	65.5	4	75.6	1895	2875	(2) 250	16,300	495	2121	1683	3804
eco-ATW 17-3L14	12,450	5,280	18,170	(2) 18.5	69.7	4	75.6	1895	2875	(2) 250	16,330	495	2121	1683	3804
eco-ATW 17-4J14	14,660	6,390	20,980	(2) 11	58.3	4	75.6	2490	2875	(2) 250	19,140	686	2311	1683	3994
eco-ATW 17-4K14	14,710	6,410	21,040	(2) 15	63.6	4	75.6	2490	2875	(2) 250	19,200	686	2311	1683	3994
eco-ATW 17-4L14	14,740	6,430	21,060	(2) 18.5	67.7	4	75.6	2490	2875	(2) 250	19,220	686	2311	1683	3994
eco-ATW 17-4M14	14,790	6,450	21,110	(2) 22	71.2	4	75.6	2490	2875	(2) 250	19,270	686	2311	1683	3994
eco-ATW 17-5J14	16,960	7,540	23,880	(2) 11	56.5	4	75.6	3085	2875	(2) 250	22,040	876	2502	1683	4185
eco-ATW 17-5K14	17,020	7,570	23,930	(2) 15	61.7	4	75.6	3085	2875	(2) 250	22,090	876	2502	1683	4185
eco-ATW 17-5L14	17,050	7,580	23,960	(2) 18.5	65.6	4	75.6	3085	2875	(2) 250	22,120	876	2502	1683	4185
eco-ATW 17-5M14	17,090	7,600	24,000	(2) 22	69.1	4	75.6	3085	2875	(2) 250	22,160	876	2502	1683	4185
eco-ATW 17-6K14	19,380	8,750	26,890	(2) 15	59.7	4	75.6	3680	2875	(2) 250	25,050	1067	2692	1683	4375
eco-ATW 17-6L14	19,400	8,760	26,920	(2) 18.5	63.6	4	75.6	3680	2875	(2) 250	25,070	1067	2692	1683	4375
eco-ATW 17-6M14	19,450	8,780	26,960	(2) 22	66.9	4	75.6	3680	2875	(2) 250	25,120	1067	2692	1683	4375

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

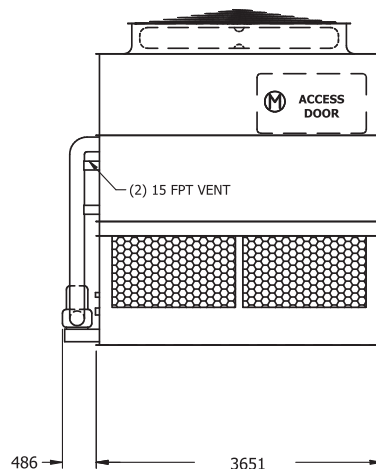
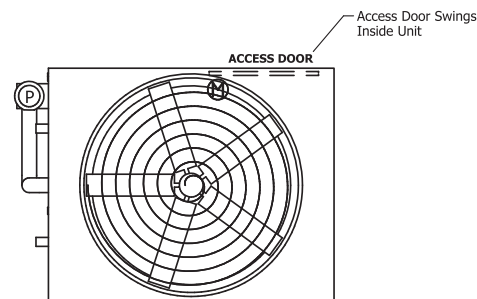
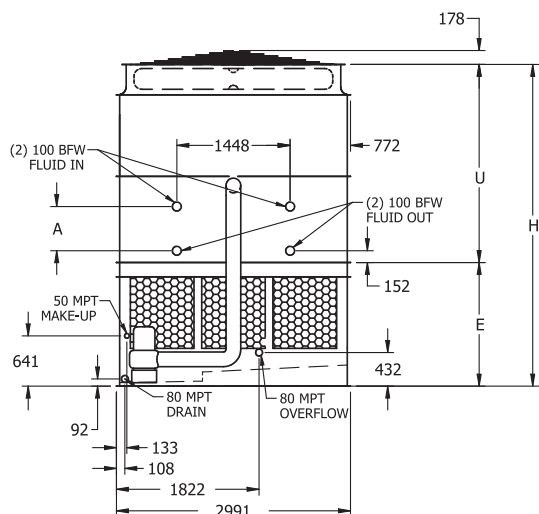
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 10-3I12 to 10-6M12



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3mx3.6m (eco-ATW 10x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 10-3I12	6,620	5,460	10,020	7.5	26.2	4	43.2	959	1590	300	8,410	565	2530	1581	4112
eco-ATW 10-3J12	6,680	5,520	10,080	11	30.0	4	43.2	959	1590	300	8,460	565	2530	1581	4112
eco-ATW 10-3K12	6,700	5,550	10,110	15	32.7	4	43.2	959	1590	300	8,490	565	2530	1581	4112
eco-ATW 10-3L12	6,720	5,560	10,120	18.5	34.8	4	43.2	959	1590	300	8,500	565	2530	1581	4112
eco-ATW 10-3M12	6,740	5,580	10,150	22	36.6	4	43.2	959	1590	300	8,530	565	2530	1581	4112
eco-ATW 10-4I12	7,790	6,640	11,500	7.5	25.4	4	43.2	1258	1590	300	9,880	781	2746	1581	4328
eco-ATW 10-4J12	7,850	6,700	11,560	11	29.1	4	43.2	1258	1590	300	9,940	781	2746	1581	4328
eco-ATW 10-4K12	7,880	6,720	11,580	15	31.7	4	43.2	1258	1590	300	9,970	781	2746	1581	4328
eco-ATW 10-4L12	7,890	6,740	11,600	18.5	33.8	4	43.2	1258	1590	300	9,980	781	2746	1581	4328
eco-ATW 10-4M12	7,920	6,760	11,620	22	35.5	4	43.2	1258	1590	300	10,000	781	2746	1581	4328
eco-ATW 10-5I12	8,920	7,760	12,920	7.5	24.6	4	43.2	1557	1590	300	11,300	997	2962	1581	4543
eco-ATW 10-5J12	8,980	7,820	12,980	11	28.2	4	43.2	1557	1590	300	11,360	997	2962	1581	4543
eco-ATW 10-5K12	9,000	7,850	13,010	15	30.8	4	43.2	1557	1590	300	11,390	997	2962	1581	4543
eco-ATW 10-5L12	9,020	7,860	13,020	18.5	32.8	4	43.2	1557	1590	300	11,400	997	2962	1581	4543
eco-ATW 10-5M12	9,040	7,880	13,050	22	34.5	4	43.2	1557	1590	300	11,430	997	2962	1581	4543
eco-ATW 10-6I12	10,110	8,950	14,410	7.5	23.9	4	43.2	1855	1590	300	12,790	1213	3178	1581	4759
eco-ATW 10-6J12	10,170	9,010	14,470	11	27.3	4	43.2	1855	1590	300	12,850	1213	3178	1581	4759
eco-ATW 10-6K12	10,200	9,040	14,500	15	29.8	4	43.2	1855	1590	300	12,880	1213	3178	1581	4759
eco-ATW 10-6L12	10,210	9,050	14,510	18.5	31.7	4	43.2	1855	1590	300	12,890	1213	3178	1581	4759
eco-ATW 10-6M12	10,230	9,080	14,530	22	33.4	4	43.2	1855	1590	300	12,910	1213	3178	1581	4759

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

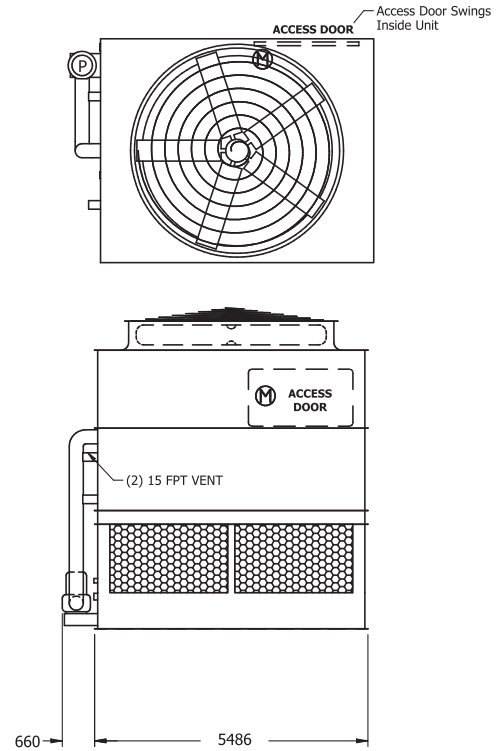
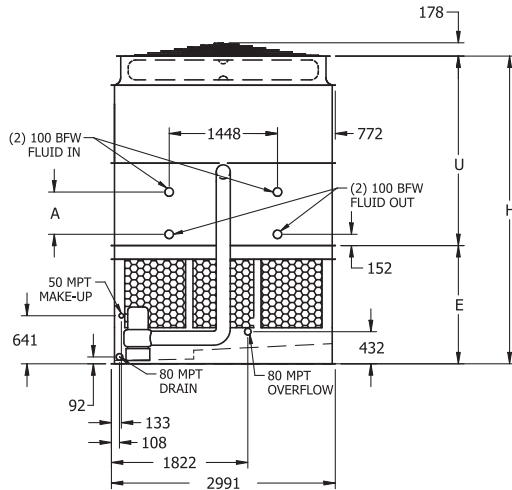
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 10-3I18 to 10-6N18



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3mx5.4m (eco-ATW 10x18) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 10-3I18	9,490	7,830	14,610	7.5	34.4	5.5	64.9	1417	2385	300	12,220	565	2530	1581	4112
eco-ATW 10-3J18	9,550	7,890	14,660	11	39.3	5.5	64.9	1417	2385	300	12,280	565	2530	1581	4112
eco-ATW 10-3K18	9,580	7,920	14,690	15	43.3	5.5	64.9	1417	2385	300	12,310	565	2530	1581	4112
eco-ATW 10-3L18	9,590	7,930	14,710	18.5	46.6	5.5	64.9	1417	2385	300	12,320	565	2530	1581	4112
eco-ATW 10-3M18	9,610	7,960	14,730	22	49.1	5.5	64.9	1417	2385	300	12,350	565	2530	1581	4112
eco-ATW 10-3N18	9,680	8,030	14,800	30	53.2	5.5	64.9	1417	2385	300	12,420	565	2530	1581	4112
eco-ATW 10-4I18	11,240	9,590	16,810	7.5	33.4	5.5	64.9	1868	2385	300	14,430	781	2746	1581	4328
eco-ATW 10-4J18	11,300	9,650	16,870	11	38.2	5.5	64.9	1868	2385	300	14,490	781	2746	1581	4328
eco-ATW 10-4K18	11,330	9,680	16,900	15	42.0	5.5	64.9	1868	2385	300	14,510	781	2746	1581	4328
eco-ATW 10-4L18	11,340	9,690	16,910	18.5	45.3	5.5	64.9	1868	2385	300	14,530	781	2746	1581	4328
eco-ATW 10-4M18	11,370	9,710	16,930	22	47.7	5.5	64.9	1868	2385	300	14,550	781	2746	1581	4328
eco-ATW 10-4N18	11,440	9,780	17,010	30	51.7	5.5	64.9	1868	2385	300	14,620	781	2746	1581	4328
eco-ATW 10-5I18	12,950	11,300	18,970	7.5	32.4	5.5	64.9	2320	2385	300	16,590	997	2962	1581	4543
eco-ATW 10-5J18	13,010	11,360	19,030	11	37.1	5.5	64.9	2320	2385	300	16,650	997	2962	1581	4543
eco-ATW 10-5K18	13,040	11,390	19,060	15	40.8	5.5	64.9	2320	2385	300	16,680	997	2962	1581	4543
eco-ATW 10-5L18	13,050	11,400	19,070	18.5	43.9	5.5	64.9	2320	2385	300	16,690	997	2962	1581	4543
eco-ATW 10-5M18	13,080	11,420	19,100	22	46.3	5.5	64.9	2320	2385	300	16,710	997	2962	1581	4543
eco-ATW 10-5N18	13,150	11,490	19,170	30	50.1	5.5	64.9	2320	2385	300	16,790	997	2962	1581	4543
eco-ATW 10-6I18	14,740	13,080	21,210	7.5	31.4	5.5	64.9	2771	2385	300	18,820	1213	3178	1581	4759
eco-ATW 10-6J18	14,800	13,140	21,260	11	35.9	5.5	64.9	2771	2385	300	18,880	1213	3178	1581	4759
eco-ATW 10-6K18	14,820	13,170	21,290	15	39.5	5.5	64.9	2771	2385	300	18,910	1213	3178	1581	4759
eco-ATW 10-6L18	14,840	13,180	21,310	18.5	42.6	5.5	64.9	2771	2385	300	18,920	1213	3178	1581	4759
eco-ATW 10-6M18	14,860	13,200	21,330	22	44.8	5.5	64.9	2771	2385	300	18,950	1213	3178	1581	4759
eco-ATW 10-6N18	14,930	13,280	21,400	30	48.6	5.5	64.9	2771	2385	300	19,020	1213	3178	1581	4759

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

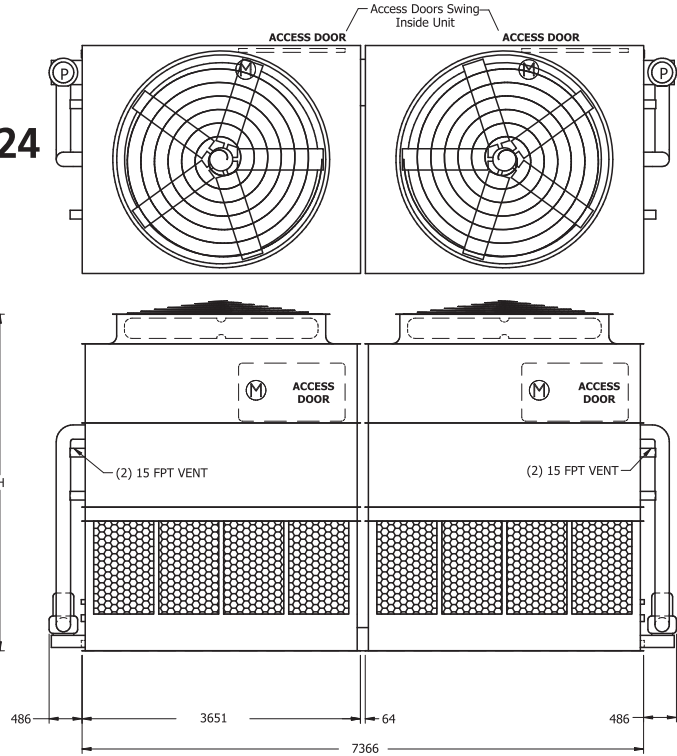
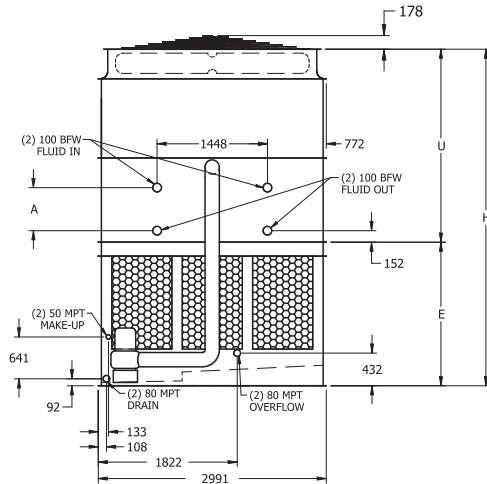
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 10-3I24 to 10-6M24



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 3mx7.3m (eco-ATW 10x24) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 10-3I24	13,350	5,460	20,170	(2) 7.5	52.3	4	86.3	1918	3180	(2) 300	16,930	565	2530	1886	4416
eco-ATW 10-3J24	13,470	5,520	20,280	(2) 11	59.9	4	86.3	1918	3180	(2) 300	17,050	565	2530	1886	4416
eco-ATW 10-3K24	13,530	5,550	20,340	(2) 15	65.3	4	86.3	1918	3180	(2) 300	17,100	565	2530	1886	4416
eco-ATW 10-3L24	13,550	5,560	20,370	(2) 18.5	69.6	4	86.3	1918	3180	(2) 300	17,130	565	2530	1886	4416
eco-ATW 10-3M24	13,600	5,580	20,410	(2) 22	73.2	4	86.3	1918	3180	(2) 300	17,170	565	2530	1886	4416
eco-ATW 10-4I24	15,700	6,640	23,120	(2) 7.5	50.8	4	86.3	2515	3180	(2) 300	19,880	781	2746	1886	4632
eco-ATW 10-4J24	15,820	6,700	23,230	(2) 11	58.2	4	86.3	2515	3180	(2) 300	19,990	781	2746	1886	4632
eco-ATW 10-4K24	15,880	6,720	23,290	(2) 15	63.4	4	86.3	2515	3180	(2) 300	20,050	781	2746	1886	4632
eco-ATW 10-4L24	15,900	6,740	23,310	(2) 18.5	67.5	4	86.3	2515	3180	(2) 300	20,080	781	2746	1886	4632
eco-ATW 10-4M24	15,950	6,760	23,360	(2) 22	71.1	4	86.3	2515	3180	(2) 300	20,120	781	2746	1886	4632
eco-ATW 10-5I24	17,950	7,760	25,960	(2) 7.5	49.3	4	86.3	3113	3180	(2) 300	22,720	997	2962	1886	4848
eco-ATW 10-5J24	18,070	7,820	26,080	(2) 11	56.4	4	86.3	3113	3180	(2) 300	22,840	997	2962	1886	4848
eco-ATW 10-5K24	18,130	7,850	26,140	(2) 15	61.5	4	86.3	3113	3180	(2) 300	22,900	997	2962	1886	4848
eco-ATW 10-5L24	18,150	7,860	26,160	(2) 18.5	65.5	4	86.3	3113	3180	(2) 300	22,920	997	2962	1886	4848
eco-ATW 10-5M24	18,200	7,880	26,210	(2) 22	68.9	4	86.3	3113	3180	(2) 300	22,970	997	2962	1886	4848
eco-ATW 10-6I24	20,340	8,950	28,940	(2) 7.5	47.8	4	86.3	3711	3180	(2) 300	25,700	1213	3178	1886	5064
eco-ATW 10-6J24	20,460	9,010	29,060	(2) 11	54.7	4	86.3	3711	3180	(2) 300	25,820	1213	3178	1886	5064
eco-ATW 10-6K24	20,510	9,040	29,110	(2) 15	59.6	4	86.3	3711	3180	(2) 300	25,870	1213	3178	1886	5064
eco-ATW 10-6L24	20,540	9,050	29,140	(2) 18.5	63.5	4	86.3	3711	3180	(2) 300	25,900	1213	3178	1886	5064
eco-ATW 10-6M24	20,580	9,080	29,180	(2) 22	66.8	4	86.3	3711	3180	(2) 300	25,950	1213	3178	1886	5064

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

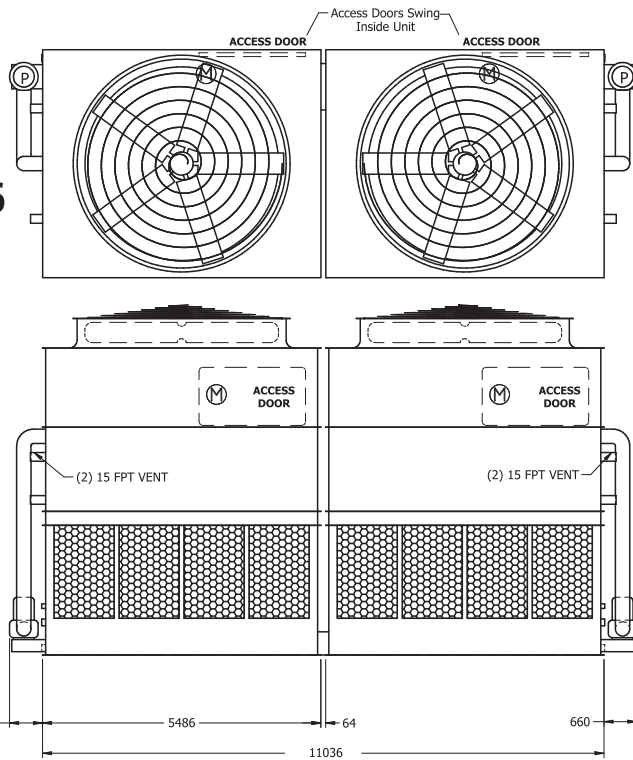
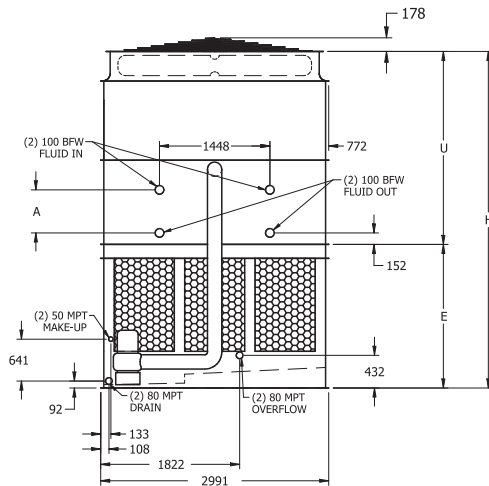
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 10-3I36 to 10-6N36



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 3mx11m (eco-ATW 10x36) models. This required option is referred to as the High Flow coil configuration.

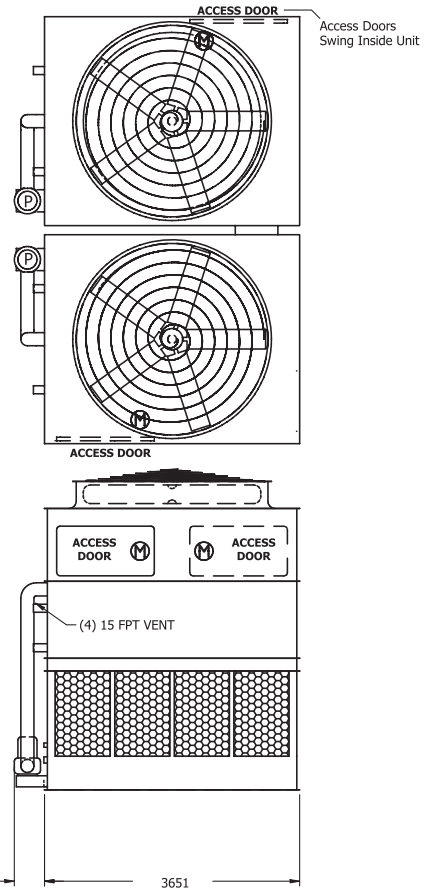
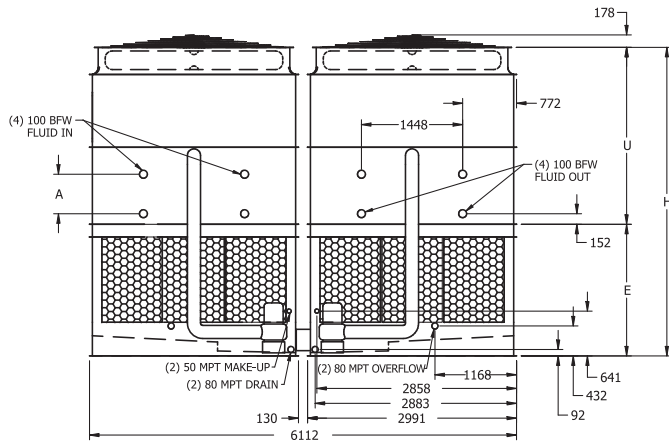
eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 10-3I36	18,980	7,830	29,210	(2) 7.5	68.7	5.5	129.8	2833	4770	(2) 300	24,450	565	2530	1886	4416
eco-ATW 10-3J36	19,100	7,890	29,330	(2) 11	78.7	5.5	129.8	2833	4770	(2) 300	24,570	565	2530	1886	4416
eco-ATW 10-3K36	19,150	7,920	29,380	(2) 15	86.6	5.5	129.8	2833	4770	(2) 300	24,620	565	2530	1886	4416
eco-ATW 10-3L36	19,180	7,930	29,410	(2) 18.5	93.3	5.5	129.8	2833	4770	(2) 300	24,650	565	2530	1886	4416
eco-ATW 10-3M36	19,220	7,960	29,460	(2) 22	98.3	5.5	129.8	2833	4770	(2) 300	24,690	565	2530	1886	4416
eco-ATW 10-3N36	19,370	8,030	29,600	(2) 30	106.5	5.5	129.8	2833	4770	(2) 300	24,840	565	2530	1886	4416
eco-ATW 10-4I36	22,490	9,590	33,620	(2) 7.5	66.7	5.5	129.8	3736	4770	(2) 300	28,860	781	2746	1886	4632
eco-ATW 10-4J36	22,610	9,650	33,740	(2) 11	76.4	5.5	129.8	3736	4770	(2) 300	28,980	781	2746	1886	4632
eco-ATW 10-4K36	22,660	9,680	33,790	(2) 15	84.1	5.5	129.8	3736	4770	(2) 300	29,030	781	2746	1886	4632
eco-ATW 10-4L36	22,690	9,690	33,820	(2) 18.5	90.6	5.5	129.8	3736	4770	(2) 300	29,060	781	2746	1886	4632
eco-ATW 10-4M36	22,730	9,710	33,870	(2) 22	95.4	5.5	129.8	3736	4770	(2) 300	29,100	781	2746	1886	4632
eco-ATW 10-4N36	22,880	9,780	34,010	(2) 30	103.4	5.5	129.8	3736	4770	(2) 300	29,250	781	2746	1886	4632
eco-ATW 10-5I36	25,910	11,300	37,950	(2) 7.5	64.7	5.5	129.8	4639	4770	(2) 300	33,180	997	2962	1886	4848
eco-ATW 10-5J36	26,030	11,360	38,070	(2) 11	74.1	5.5	129.8	4639	4770	(2) 300	33,300	997	2962	1886	4848
eco-ATW 10-5K36	26,080	11,390	38,120	(2) 15	81.6	5.5	129.8	4639	4770	(2) 300	33,360	997	2962	1886	4848
eco-ATW 10-5L36	26,110	11,400	38,150	(2) 18.5	87.9	5.5	129.8	4639	4770	(2) 300	33,380	997	2962	1886	4848
eco-ATW 10-5M36	26,150	11,420	38,190	(2) 22	92.5	5.5	129.8	4639	4770	(2) 300	33,430	997	2962	1886	4848
eco-ATW 10-5N36	26,300	11,490	38,340	(2) 30	100.3	5.5	129.8	4639	4770	(2) 300	33,570	997	2962	1886	4848
eco-ATW 10-6I36	29,470	13,080	42,410	(2) 7.5	62.7	5.5	129.8	5542	4770	(2) 300	37,650	1213	3178	1886	5064
eco-ATW 10-6J36	29,590	13,140	42,530	(2) 11	71.8	5.5	129.8	5542	4770	(2) 300	37,770	1213	3178	1886	5064
eco-ATW 10-6K36	29,650	13,170	42,580	(2) 15	79.0	5.5	129.8	5542	4770	(2) 300	37,820	1213	3178	1886	5064
eco-ATW 10-6L36	29,670	13,180	42,610	(2) 18.5	85.1	5.5	129.8	5542	4770	(2) 300	37,850	1213	3178	1886	5064
eco-ATW 10-6M36	29,720	13,200	42,660	(2) 22	89.7	5.5	129.8	5542	4770	(2) 300	37,890	1213	3178	1886	5064
eco-ATW 10-6N36	29,860	13,280	42,800	(2) 30	97.2	5.5	129.8	5542	4770	(2) 300	38,040	1213	3178	1886	5064

- † Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.
- †† Heaviest section is the coil/fan section.
- * Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).
- △ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.
- ▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 20-3I12 to 20-6M12



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 6.1mx3.6m (eco-ATW 20x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 20-3I12	13,240	5,460	20,060	(2) 7.5	52.3	4	86.3	1918	3180	(2) 300	16,820	565	2530	1886	4416
eco-ATW 20-3J12	13,360	5,520	20,180	(2) 11	59.9	4	86.3	1918	3180	(2) 300	16,940	565	2530	1886	4416
eco-ATW 20-3K12	13,420	5,550	20,230	(2) 15	65.3	4	86.3	1918	3180	(2) 300	16,990	565	2530	1886	4416
eco-ATW 20-3L12	13,440	5,560	20,260	(2) 18.5	69.6	4	86.3	1918	3180	(2) 300	17,020	565	2530	1886	4416
eco-ATW 20-3M12	13,490	5,580	20,300	(2) 22	73.2	4	86.3	1918	3180	(2) 300	17,060	565	2530	1886	4416
eco-ATW 20-4I12	15,590	6,640	23,010	(2) 7.5	50.8	4	86.3	2515	3180	(2) 300	19,770	781	2746	1886	4632
eco-ATW 20-4J12	15,710	6,700	23,120	(2) 11	58.2	4	86.3	2515	3180	(2) 300	19,890	781	2746	1886	4632
eco-ATW 20-4K12	15,770	6,720	23,180	(2) 15	63.4	4	86.3	2515	3180	(2) 300	19,940	781	2746	1886	4632
eco-ATW 20-4L12	15,790	6,740	23,210	(2) 18.5	67.5	4	86.3	2515	3180	(2) 300	19,970	781	2746	1886	4632
eco-ATW 20-4M12	15,840	6,760	23,250	(2) 22	71.1	4	86.3	2515	3180	(2) 300	20,010	781	2746	1886	4632
eco-ATW 20-5I12	17,840	7,760	25,850	(2) 7.5	49.3	4	86.3	3113	3180	(2) 300	22,620	997	2962	1886	4848
eco-ATW 20-5J12	17,960	7,820	25,970	(2) 11	56.4	4	86.3	3113	3180	(2) 300	22,730	997	2962	1886	4848
eco-ATW 20-5K12	18,020	7,850	26,030	(2) 15	61.5	4	86.3	3113	3180	(2) 300	22,790	997	2962	1886	4848
eco-ATW 20-5L12	18,040	7,860	26,050	(2) 18.5	65.5	4	86.3	3113	3180	(2) 300	22,820	997	2962	1886	4848
eco-ATW 20-5M12	18,090	7,880	26,100	(2) 22	68.9	4	86.3	3113	3180	(2) 300	22,860	997	2962	1886	4848
eco-ATW 20-6I12	20,230	8,950	28,830	(2) 7.5	47.8	4	86.3	3711	3180	(2) 300	25,590	1213	3178	1886	5064
eco-ATW 20-6J12	20,350	9,010	28,950	(2) 11	54.7	4	86.3	3711	3180	(2) 300	25,710	1213	3178	1886	5064
eco-ATW 20-6K12	20,400	9,040	29,000	(2) 15	59.6	4	86.3	3711	3180	(2) 300	25,760	1213	3178	1886	5064
eco-ATW 20-6L12	20,430	9,050	29,030	(2) 18.5	63.5	4	86.3	3711	3180	(2) 300	25,790	1213	3178	1886	5064
eco-ATW 20-6M12	20,480	9,080	29,080	(2) 22	66.8	4	86.3	3711	3180	(2) 300	25,840	1213	3178	1886	5064

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

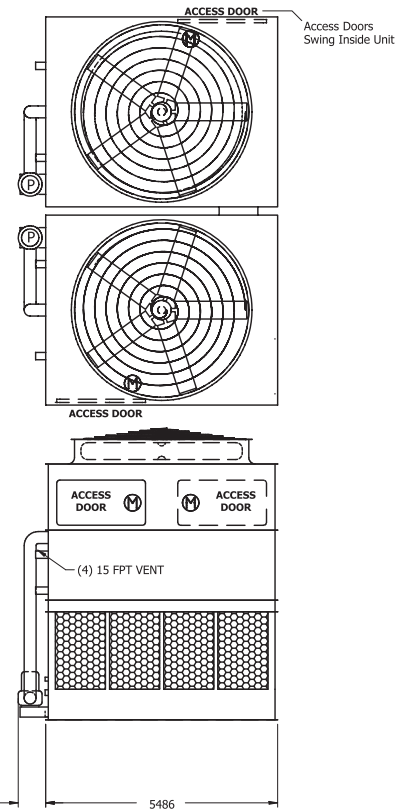
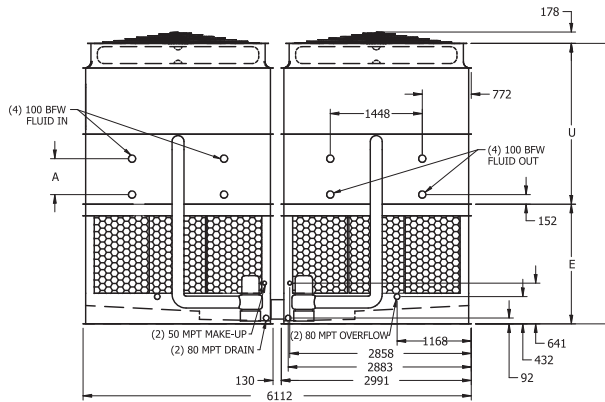
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 20-3I18 to 20-6N18



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 6.1mx5.4m (eco-ATW 20x18) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 20-3I18	19,000	7,830	29,230	(2) 7.5	68.7	5.5	129.8	2833	4770	(2) 300	24,470	565	2530	2191	4721
eco-ATW 20-3J18	19,110	7,890	29,350	(2) 11	78.7	5.5	129.8	2833	4770	(2) 300	24,580	565	2530	2191	4721
eco-ATW 20-3K18	19,170	7,920	29,400	(2) 15	86.6	5.5	129.8	2833	4770	(2) 300	24,640	565	2530	2191	4721
eco-ATW 20-3L18	19,200	7,930	29,430	(2) 18.5	93.3	5.5	129.8	2833	4770	(2) 300	24,670	565	2530	2191	4721
eco-ATW 20-3M18	19,240	7,960	29,470	(2) 22	98.3	5.5	129.8	2833	4770	(2) 300	24,710	565	2530	2191	4721
eco-ATW 20-3N18	19,390	8,030	29,620	(2) 30	106.5	5.5	129.8	2833	4770	(2) 300	24,860	565	2530	2191	4721
eco-ATW 20-4I18	22,510	9,590	33,640	(2) 7.5	66.7	5.5	129.8	3736	4770	(2) 300	28,880	781	2746	2191	4937
eco-ATW 20-4J18	22,630	9,650	33,760	(2) 11	76.4	5.5	129.8	3736	4770	(2) 300	28,990	781	2746	2191	4937
eco-ATW 20-4K18	22,680	9,680	33,810	(2) 15	84.1	5.5	129.8	3736	4770	(2) 300	29,050	781	2746	2191	4937
eco-ATW 20-4L18	22,710	9,690	33,840	(2) 18.5	90.6	5.5	129.8	3736	4770	(2) 300	29,080	781	2746	2191	4937
eco-ATW 20-4M18	22,750	9,710	33,880	(2) 22	95.4	5.5	129.8	3736	4770	(2) 300	29,120	781	2746	2191	4937
eco-ATW 20-4N18	22,900	9,780	34,030	(2) 30	103.4	5.5	129.8	3736	4770	(2) 300	29,270	781	2746	2191	4937
eco-ATW 20-5I18	25,930	11,300	37,970	(2) 7.5	64.7	5.5	129.8	4639	4770	(2) 300	33,200	997	2962	2191	5153
eco-ATW 20-5J18	26,050	11,360	38,080	(2) 11	74.1	5.5	129.8	4639	4770	(2) 300	33,320	997	2962	2191	5153
eco-ATW 20-5K18	26,100	11,390	38,140	(2) 15	81.6	5.5	129.8	4639	4770	(2) 300	33,380	997	2962	2191	5153
eco-ATW 20-5L18	26,130	11,400	38,170	(2) 18.5	87.9	5.5	129.8	4639	4770	(2) 300	33,400	997	2962	2191	5153
eco-ATW 20-5M18	26,170	11,420	38,210	(2) 22	92.5	5.5	129.8	4639	4770	(2) 300	33,450	997	2962	2191	5153
eco-ATW 20-5N18	26,320	11,490	38,360	(2) 30	100.3	5.5	129.8	4639	4770	(2) 300	33,590	997	2962	2191	5153
eco-ATW 20-6I18	29,490	13,080	42,430	(2) 7.5	62.7	5.5	129.8	5542	4770	(2) 300	37,670	1213	3178	2191	5369
eco-ATW 20-6J18	29,610	13,140	42,550	(2) 11	71.8	5.5	129.8	5542	4770	(2) 300	37,780	1213	3178	2191	5369
eco-ATW 20-6K18	29,660	13,170	42,600	(2) 15	79.0	5.5	129.8	5542	4770	(2) 300	37,840	1213	3178	2191	5369
eco-ATW 20-6L18	29,690	13,180	42,630	(2) 18.5	85.1	5.5	129.8	5542	4770	(2) 300	37,870	1213	3178	2191	5369
eco-ATW 20-6M18	29,740	13,200	42,670	(2) 22	89.7	5.5	129.8	5542	4770	(2) 300	37,910	1213	3178	2191	5369
eco-ATW 20-6N18	29,880	13,280	42,820	(2) 30	97.2	5.5	129.8	5542	4770	(2) 300	38,060	1213	3178	2191	5369

† Model Numbers end in "Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

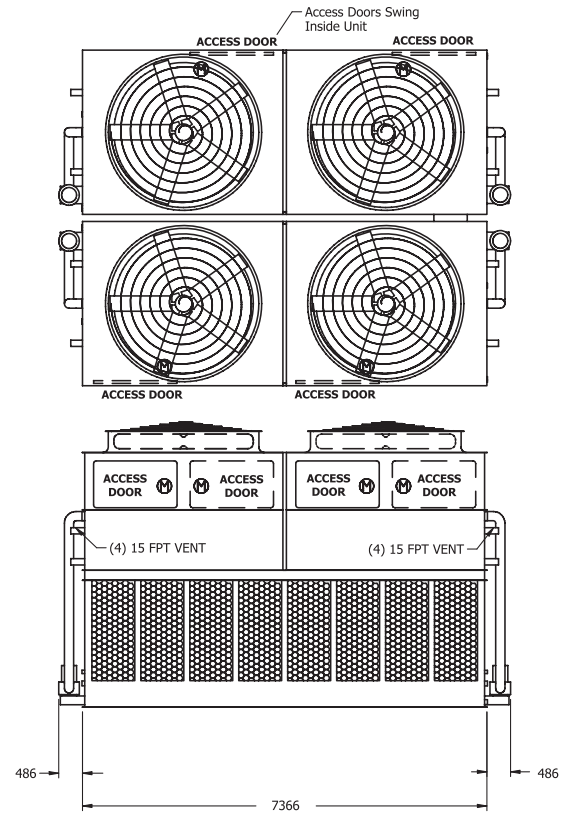
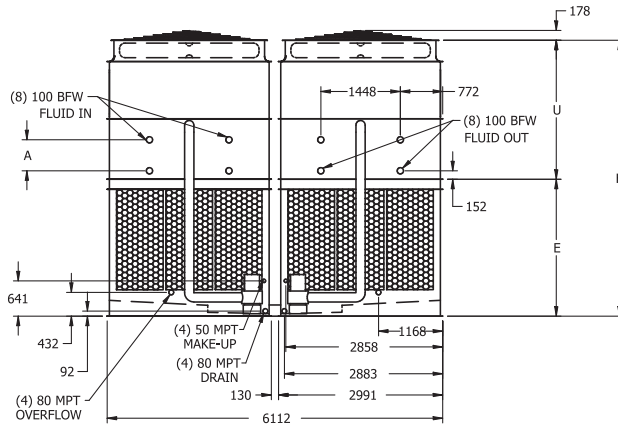
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 20-3I24 to 20-6M24



Note: The number of coil connections doubles when the flow rate exceeds 224 l/s on 6.1mx7.3m (eco-ATW 20x24) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 20-3I24	26,750	5,460	40,370	(4) 7.5	104.7	4	172.6	3835	6360	(4) 300	33,890	565	2530	2496	5026
eco-ATW 20-3J24	26,990	5,520	40,610	(4) 11	119.8	4	172.6	3835	6360	(4) 300	34,130	565	2530	2496	5026
eco-ATW 20-3K24	27,100	5,550	40,710	(4) 15	130.7	4	172.6	3835	6360	(4) 300	34,240	565	2530	2496	5026
eco-ATW 20-3L24	27,150	5,560	40,770	(4) 18.5	139.1	4	172.6	3835	6360	(4) 300	34,290	565	2530	2496	5026
eco-ATW 20-3M24	27,240	5,580	40,860	(4) 22	146.4	4	172.6	3835	6360	(4) 300	34,380	565	2530	2496	5026
eco-ATW 20-4I24	31,450	6,640	46,270	(4) 7.5	101.6	4	172.6	5031	6360	(4) 300	39,790	781	2746	2496	5242
eco-ATW 20-4J24	31,690	6,700	46,500	(4) 11	116.3	4	172.6	5031	6360	(4) 300	40,020	781	2746	2496	5242
eco-ATW 20-4K24	31,800	6,720	46,610	(4) 15	126.9	4	172.6	5031	6360	(4) 300	40,130	781	2746	2496	5242
eco-ATW 20-4L24	31,850	6,740	46,670	(4) 18.5	135.1	4	172.6	5031	6360	(4) 300	40,190	781	2746	2496	5242
eco-ATW 20-4M24	31,940	6,760	46,760	(4) 22	142.1	4	172.6	5031	6360	(4) 300	40,280	781	2746	2496	5242
eco-ATW 20-5I24	35,950	7,760	51,960	(4) 7.5	98.6	4	172.6	6226	6360	(4) 300	45,490	997	2962	2496	5458
eco-ATW 20-5J24	36,190	7,820	52,200	(4) 11	112.8	4	172.6	6226	6360	(4) 300	45,720	997	2962	2496	5458
eco-ATW 20-5K24	36,300	7,850	52,310	(4) 15	123.1	4	172.6	6226	6360	(4) 300	45,830	997	2962	2496	5458
eco-ATW 20-5L24	36,350	7,860	52,360	(4) 18.5	131.0	4	172.6	6226	6360	(4) 300	45,890	997	2962	2496	5458
eco-ATW 20-5M24	36,440	7,880	52,450	(4) 22	137.9	4	172.6	6226	6360	(4) 300	45,980	997	2962	2496	5458
eco-ATW 20-6I24	40,720	8,950	57,910	(4) 7.5	95.5	4	172.6	7422	6360	(4) 300	51,440	1213	3178	2496	5674
eco-ATW 20-6J24	40,960	9,010	58,150	(4) 11	109.4	4	172.6	7422	6360	(4) 300	51,670	1213	3178	2496	5674
eco-ATW 20-6K24	41,070	9,040	58,260	(4) 15	119.3	4	172.6	7422	6360	(4) 300	51,780	1213	3178	2496	5674
eco-ATW 20-6L24	41,120	9,050	58,310	(4) 18.5	127.0	4	172.6	7422	6360	(4) 300	51,840	1213	3178	2496	5674
eco-ATW 20-6M24	41,210	9,080	58,400	(4) 22	133.6	4	172.6	7422	6360	(4) 300	51,930	1213	3178	2496	5674

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

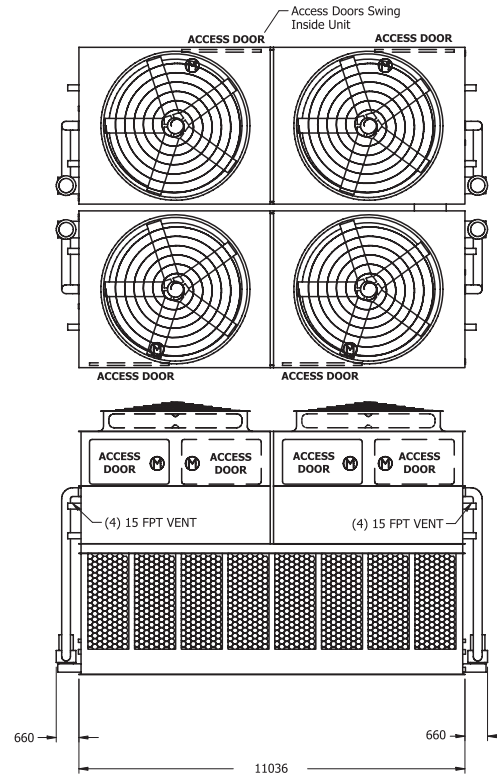
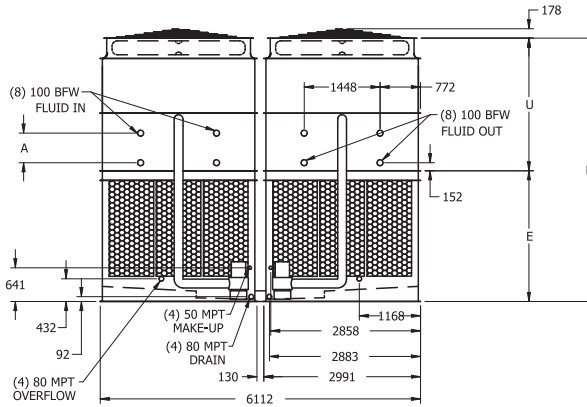
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 20-3I36 to 20-6N36



Note: The number of coil connections doubles when the flow rate exceeds 224 l/s on 6.1mx11m (eco-ATW 20x36) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 20-3I36	38,270	7,830	58,880	(4) 7.5	137.5	5.5	259.6	5667	9540	(4) 300	49,360	565	2530	2496	5026
eco-ATW 20-3J36	38,500	7,890	59,110	(4) 11	157.4	5.5	259.6	5667	9540	(4) 300	49,600	565	2530	2496	5026
eco-ATW 20-3K36	38,610	7,920	59,220	(4) 15	173.2	5.5	259.6	5667	9540	(4) 300	49,700	565	2530	2496	5026
eco-ATW 20-3L36	38,660	7,930	59,280	(4) 18.5	186.6	5.5	259.6	5667	9540	(4) 300	49,760	565	2530	2496	5026
eco-ATW 20-3M36	38,750	7,960	59,370	(4) 22	196.5	5.5	259.6	5667	9540	(4) 300	49,850	565	2530	2496	5026
eco-ATW 20-3N36	39,050	8,030	59,660	(4) 30	213.0	5.5	259.6	5667	9540	(4) 300	50,140	565	2530	2496	5026
eco-ATW 20-4I36	45,290	9,590	67,690	(4) 7.5	133.5	5.5	259.6	7472	9540	(4) 300	58,180	781	2746	2496	5242
eco-ATW 20-4J36	45,520	9,650	67,930	(4) 11	152.8	5.5	259.6	7472	9540	(4) 300	58,410	781	2746	2496	5242
eco-ATW 20-4K36	45,630	9,680	68,040	(4) 15	168.2	5.5	259.6	7472	9540	(4) 300	58,520	781	2746	2496	5242
eco-ATW 20-4L36	45,690	9,690	68,090	(4) 18.5	181.2	5.5	259.6	7472	9540	(4) 300	58,580	781	2746	2496	5242
eco-ATW 20-4M36	45,780	9,710	68,180	(4) 22	190.8	5.5	259.6	7472	9540	(4) 300	58,670	781	2746	2496	5242
eco-ATW 20-4N36	46,070	9,780	68,470	(4) 30	206.8	5.5	259.6	7472	9540	(4) 300	58,960	781	2746	2496	5242
eco-ATW 20-5I36	52,130	11,300	76,350	(4) 7.5	129.5	5.5	259.6	9278	9540	(4) 300	66,830	997	2962	2496	5458
eco-ATW 20-5J36	52,360	11,360	76,580	(4) 11	148.2	5.5	259.6	9278	9540	(4) 300	67,070	997	2962	2496	5458
eco-ATW 20-5K36	52,470	11,390	76,690	(4) 15	163.1	5.5	259.6	9278	9540	(4) 300	67,180	997	2962	2496	5458
eco-ATW 20-5L36	52,530	11,400	76,750	(4) 18.5	175.7	5.5	259.6	9278	9540	(4) 300	67,230	997	2962	2496	5458
eco-ATW 20-5M36	52,620	11,420	76,840	(4) 22	185.1	5.5	259.6	9278	9540	(4) 300	67,320	997	2962	2496	5458
eco-ATW 20-5N36	52,910	11,490	77,130	(4) 30	200.6	5.5	259.6	9278	9540	(4) 300	67,610	997	2962	2496	5458
eco-ATW 20-6I36	59,260	13,080	85,280	(4) 7.5	125.5	5.5	259.6	11084	9540	(4) 300	75,760	1213	3178	2496	5674
eco-ATW 20-6J36	59,490	13,140	85,510	(4) 11	143.6	5.5	259.6	11084	9540	(4) 300	75,990	1213	3178	2496	5674
eco-ATW 20-6K36	59,600	13,170	85,620	(4) 15	158.1	5.5	259.6	11084	9540	(4) 300	76,100	1213	3178	2496	5674
eco-ATW 20-6L36	59,660	13,180	85,670	(4) 18.5	170.3	5.5	259.6	11084	9540	(4) 300	76,160	1213	3178	2496	5674
eco-ATW 20-6M36	59,750	13,200	85,770	(4) 22	179.3	5.5	259.6	11084	9540	(4) 300	76,250	1213	3178	2496	5674
eco-ATW 20-6N36	60,040	13,280	86,060	(4) 30	194.4	5.5	259.6	11084	9540	(4) 300	76,540	1213	3178	2496	5674

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

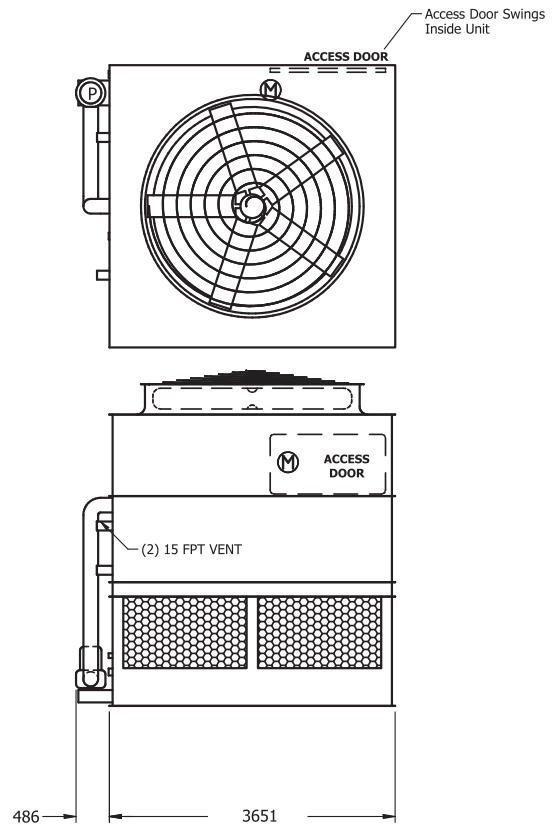
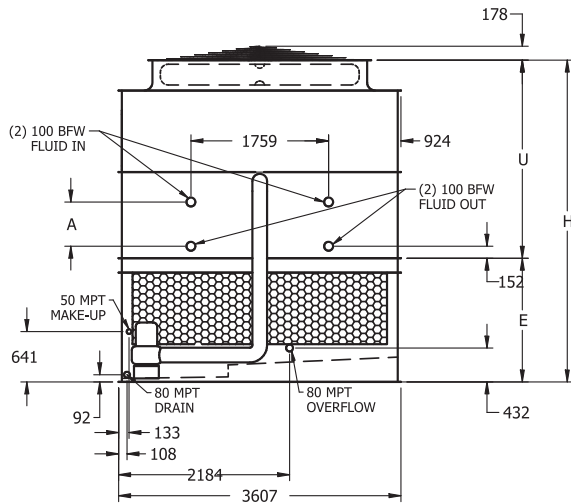
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3J12 to 12-6N12



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx3.6m (eco-ATW 12x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3J12	7,690	6,460	11,600	11	34.1	4	50.4	1179	1855	300	9,810	565	2530	1581	4112
eco-ATW 12-3K12	7,720	6,490	11,630	15	37.5	4	50.4	1179	1855	300	9,830	565	2530	1581	4112
eco-ATW 12-3L12	7,730	6,500	11,640	18.5	40.0	4	50.4	1179	1855	300	9,850	565	2530	1581	4112
eco-ATW 12-3M12	7,750	6,520	11,660	22	42.1	4	50.4	1179	1855	300	9,870	565	2530	1581	4112
eco-ATW 12-4J12	9,140	7,910	13,420	11	33.1	4	50.4	1548	1855	300	11,630	781	2746	1581	4328
eco-ATW 12-4K12	9,160	7,930	13,440	15	36.4	4	50.4	1548	1855	300	11,650	781	2746	1581	4328
eco-ATW 12-4L12	9,180	7,950	13,460	18.5	38.8	4	50.4	1548	1855	300	11,670	781	2746	1581	4328
eco-ATW 12-4M12	9,200	7,970	13,480	22	40.8	4	50.4	1548	1855	300	11,690	781	2746	1581	4328
eco-ATW 12-4N12	9,270	8,040	13,550	30	44.3	4	50.4	1548	1855	300	11,760	781	2746	1581	4328
eco-ATW 12-5K12	10,540	9,310	15,190	15	35.3	4	50.4	1917	1855	300	13,390	997	2962	1581	4543
eco-ATW 12-5L12	10,550	9,320	15,200	18.5	37.6	4	50.4	1917	1855	300	13,410	997	2962	1581	4543
eco-ATW 12-5M12	10,570	9,340	15,220	22	39.6	4	50.4	1917	1855	300	13,430	997	2962	1581	4543
eco-ATW 12-5N12	10,650	9,420	15,300	30	42.9	4	50.4	1917	1855	300	13,500	997	2962	1581	4543
eco-ATW 12-6L12	12,010	10,780	17,020	18.5	36.5	4	50.4	2286	1855	300	15,230	1213	3178	1581	4759
eco-ATW 12-6M12	12,030	10,800	17,050	22	38.4	4	50.4	2286	1855	300	15,250	1213	3178	1581	4759
eco-ATW 12-6N12	12,100	10,870	17,120	30	41.6	4	50.4	2286	1855	300	15,330	1213	3178	1581	4759

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

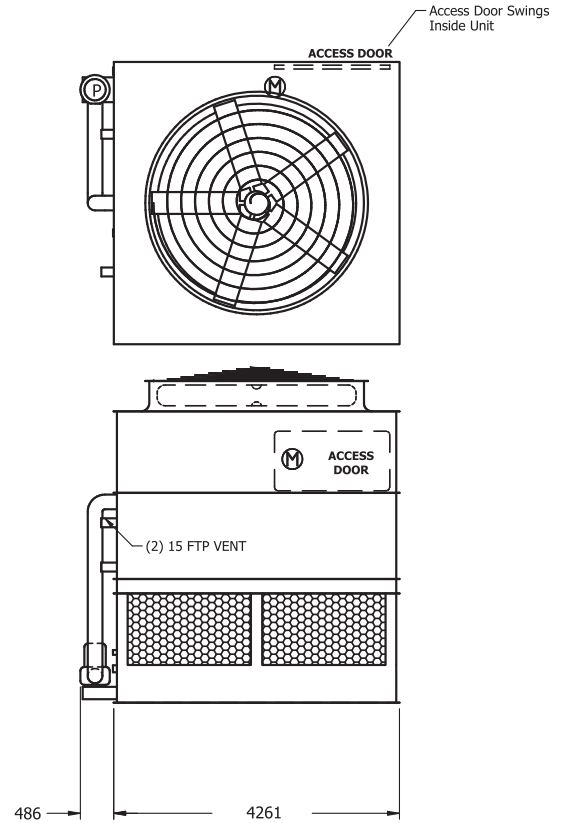
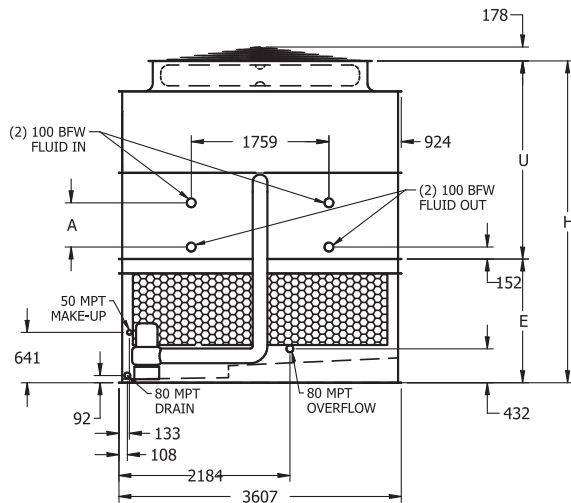
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3K14 to 12-6N14



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx4.2m (eco-ATW 12x14) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3K14	8,760	7,380	13,350	15	41.6	4	56.7	1368	2160	300	11,280	565	2530	1734	4264
eco-ATW 12-3L14	8,780	7,390	13,370	18.5	44.7	4	56.7	1368	2160	300	11,290	565	2530	1734	4264
eco-ATW 12-3M14	8,800	7,410	13,390	22	47.0	4	56.7	1368	2160	300	11,320	565	2530	1734	4264
eco-ATW 12-3N14	8,870	7,480	13,460	30	51.0	4	56.7	1368	2160	300	11,390	565	2530	1734	4264
eco-ATW 12-4K14	10,450	9,060	15,470	15	40.4	4	56.7	1799	2160	300	13,400	781	2746	1734	4480
eco-ATW 12-4L14	10,460	9,080	15,490	18.5	43.4	4	56.7	1799	2160	300	13,410	781	2746	1734	4480
eco-ATW 12-4M14	10,490	9,100	15,510	22	45.6	4	56.7	1799	2160	300	13,440	781	2746	1734	4480
eco-ATW 12-4N14	10,560	9,170	15,580	30	49.5	4	56.7	1799	2160	300	13,510	781	2746	1734	4480
eco-ATW 12-5L14	12,050	10,660	17,500	18.5	42.1	4	56.7	2231	2160	300	15,430	997	2962	1734	4696
eco-ATW 12-5M14	12,070	10,680	17,520	22	44.3	4	56.7	2231	2160	300	15,450	997	2962	1734	4696
eco-ATW 12-5N14	12,140	10,750	17,590	30	48.0	4	56.7	2231	2160	300	15,520	997	2962	1734	4696
eco-ATW 12-6L14	13,880	12,490	19,760	18.5	40.8	4	56.7	2662	2160	300	17,690	1213	3178	1734	4912
eco-ATW 12-6M14	13,900	12,510	19,790	22	42.9	4	56.7	2662	2160	300	17,710	1213	3178	1734	4912
eco-ATW 12-6N14	13,980	12,590	19,860	30	46.5	4	56.7	2662	2160	300	17,790	1213	3178	1734	4912

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

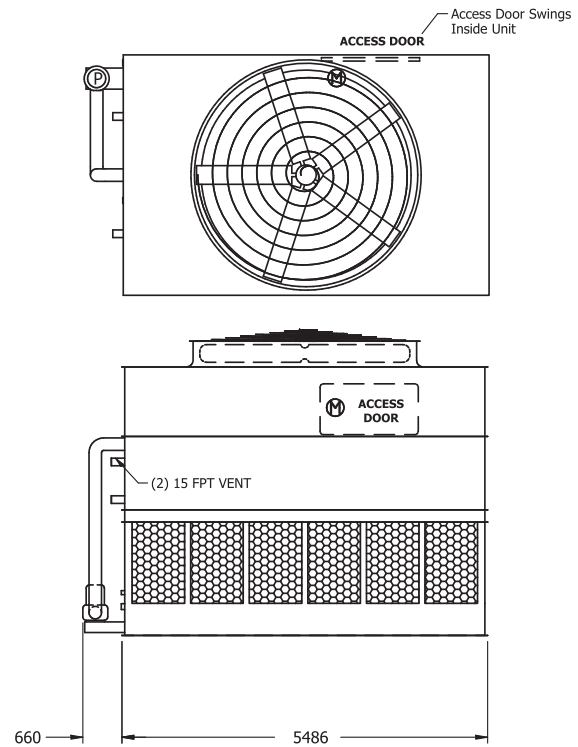
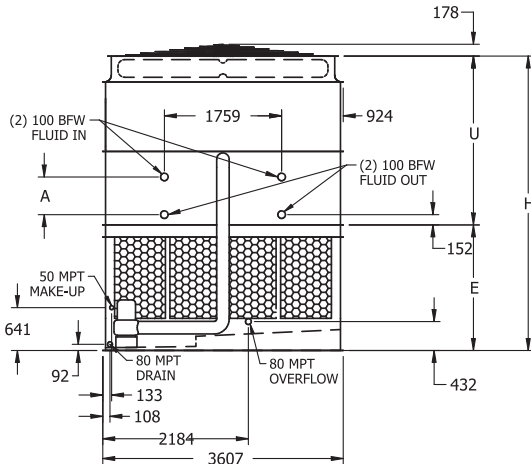
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3K18 to 12-6P18



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx5.4m (eco-ATW 12x18) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3K18	11,020	9,240	16,890	15	50.8	5.5	75.6	1744	2725	300	14,230	565	2530	1886	4416
eco-ATW 12-3L18	11,040	9,260	16,910	18.5	54.7	5.5	75.6	1744	2725	300	14,240	565	2530	1886	4416
eco-ATW 12-3M18	11,060	9,280	16,930	22	58.1	5.5	75.6	1744	2725	300	14,270	565	2530	1886	4416
eco-ATW 12-3N18	11,130	9,350	17,000	30	63.1	5.5	75.6	1744	2725	300	14,340	565	2530	1886	4416
eco-ATW 12-4K18	13,180	11,400	19,610	15	49.3	5.5	75.6	2302	2725	300	16,950	781	2746	1886	4632
eco-ATW 12-4L18	13,200	11,420	19,620	18.5	53.1	5.5	75.6	2302	2725	300	16,960	781	2746	1886	4632
eco-ATW 12-4M18	13,220	11,440	19,650	22	56.4	5.5	75.6	2302	2725	300	16,980	781	2746	1886	4632
eco-ATW 12-4N18	13,290	11,510	19,720	30	61.2	5.5	75.6	2302	2725	300	17,060	781	2746	1886	4632
eco-ATW 12-4O18	13,290	11,520	19,720	37	65.2	5.5	75.6	2302	2725	300	17,060	781	2746	1886	4632
eco-ATW 12-5L18	15,280	13,500	22,260	18.5	51.5	5.5	75.6	2859	2725	300	19,600	997	2962	1886	4848
eco-ATW 12-5M18	15,300	13,530	22,280	22	54.7	5.5	75.6	2859	2725	300	19,620	997	2962	1886	4848
eco-ATW 12-5N18	15,380	13,600	22,360	30	59.4	5.5	75.6	2859	2725	300	19,690	997	2962	1886	4848
eco-ATW 12-5O18	15,380	13,600	22,360	37	63.2	5.5	75.6	2859	2725	300	19,700	997	2962	1886	4848
eco-ATW 12-6M18	17,410	15,640	24,950	22	53.0	5.5	75.6	3416	2725	300	22,290	1213	3178	1886	5064
eco-ATW 12-6N18	17,490	15,710	25,020	30	57.6	5.5	75.6	3416	2725	300	22,360	1213	3178	1886	5064
eco-ATW 12-6O18	17,490	15,710	25,030	37	61.3	5.5	75.6	3416	2725	300	22,370	1213	3178	1886	5064
eco-ATW 12-6P18	17,580	15,800	25,120	45	64.5	5.5	75.6	3416	2725	300	22,460	1213	3178	1886	5064

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

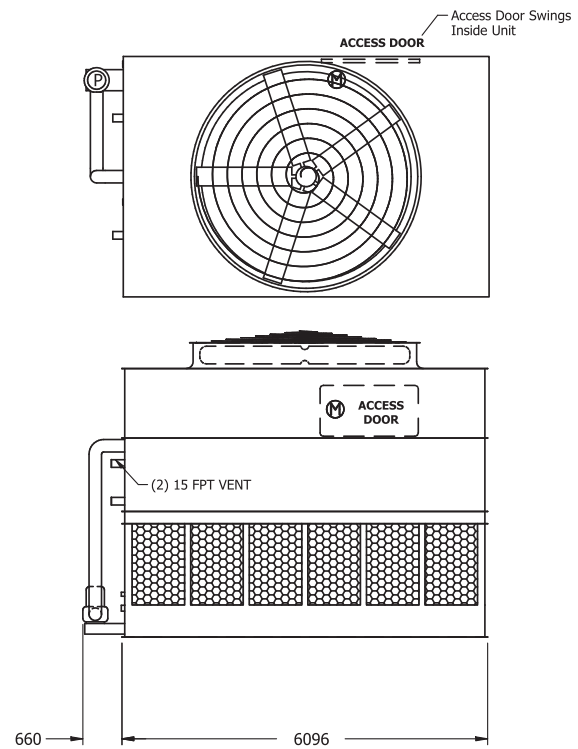
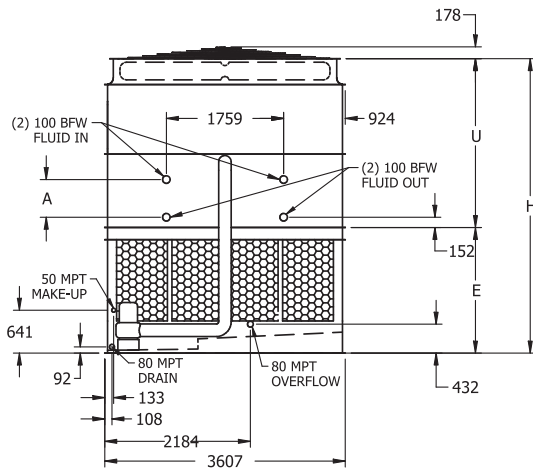
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3L20 to 12-6P20



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx6m (eco-ATW 12x20) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3L20	12,190	10,140	18,750	18.5	58.7	7.5	88.2	1933	3030	350	15,710	565	2530	1886	4416
eco-ATW 12-3M20	12,210	10,170	18,770	22	62.4	7.5	88.2	1933	3030	350	15,740	565	2530	1886	4416
eco-ATW 12-3N20	12,280	10,240	18,850	30	68.1	7.5	88.2	1933	3030	350	15,810	565	2530	1886	4416
eco-ATW 12-3O20	12,290	10,240	18,850	37	72.4	7.5	88.2	1933	3030	350	15,810	565	2530	1886	4416
eco-ATW 12-4L20	14,560	12,520	21,750	18.5	57.0	7.5	88.2	2553	3030	350	18,710	781	2746	1886	4632
eco-ATW 12-4M20	14,590	12,540	21,770	22	60.5	7.5	88.2	2553	3030	350	18,730	781	2746	1886	4632
eco-ATW 12-4N20	14,660	12,610	21,850	30	66.1	7.5	88.2	2553	3030	350	18,810	781	2746	1886	4632
eco-ATW 12-4O20	14,660	12,620	21,850	37	70.3	7.5	88.2	2553	3030	350	18,810	781	2746	1886	4632
eco-ATW 12-5M20	16,910	14,860	24,720	22	58.7	7.5	88.2	3173	3030	350	21,680	997	2962	1886	4848
eco-ATW 12-5N20	16,980	14,940	24,790	30	64.1	7.5	88.2	3173	3030	350	21,750	997	2962	1886	4848
eco-ATW 12-5O20	16,990	14,940	24,790	37	68.2	7.5	88.2	3173	3030	350	21,750	997	2962	1886	4848
eco-ATW 12-5P20	17,080	15,030	24,880	45	71.8	7.5	88.2	3173	3030	350	21,850	997	2962	1886	4848
eco-ATW 12-6N20	19,550	17,500	27,970	30	62.1	7.5	88.2	3792	3030	350	24,930	1213	3178	1886	5064
eco-ATW 12-6O20	19,550	17,500	27,970	37	66.1	7.5	88.2	3792	3030	350	24,930	1213	3178	1886	5064
eco-ATW 12-6P20	19,640	17,590	28,060	45	69.6	7.5	88.2	3792	3030	350	25,020	1213	3178	1886	5064

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

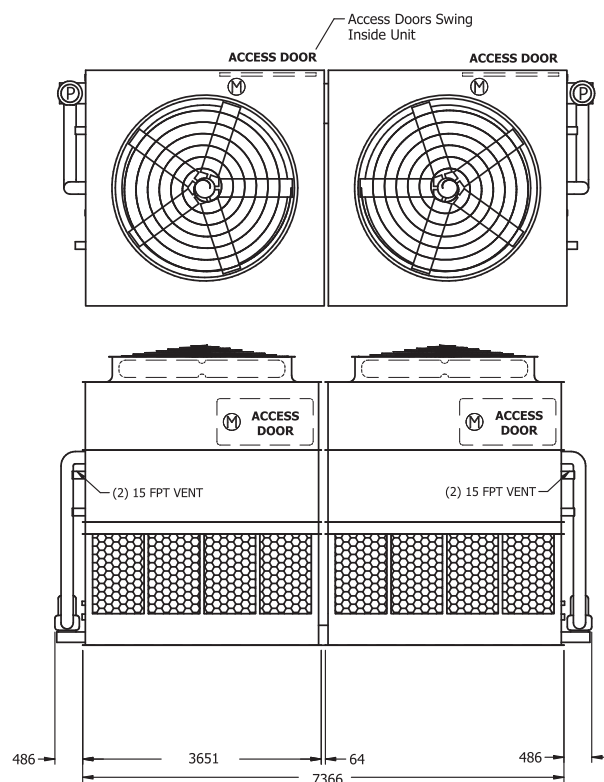
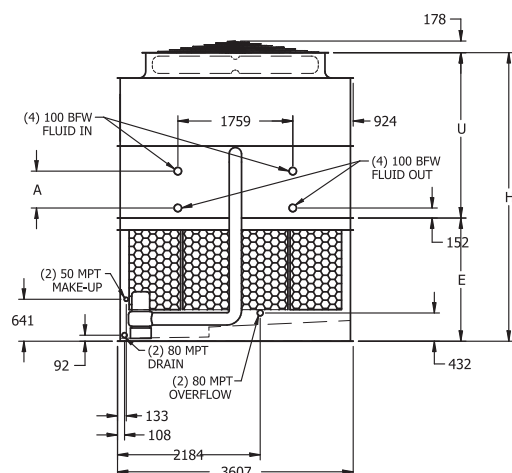
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3J24 to 12-6N24



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 3.6mx7.3m (eco-ATW 12x24) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3J24	15,380	6,460	23,200	(2) 11	68.1	4	100.8	2359	3710	(2) 300	19,610	565	2530	1886	4416
eco-ATW 12-3K24	15,430	6,490	23,250	(2) 15	75.0	4	100.8	2359	3710	(2) 300	19,670	565	2530	1886	4416
eco-ATW 12-3L24	15,460	6,500	23,280	(2) 18.5	79.9	4	100.8	2359	3710	(2) 300	19,690	565	2530	1886	4416
eco-ATW 12-3M24	15,500	6,520	23,320	(2) 22	84.1	4	100.8	2359	3710	(2) 300	19,740	565	2530	1886	4416
eco-ATW 12-4K24	18,330	7,930	26,890	(2) 15	72.8	4	100.8	3096	3710	(2) 300	23,310	781	2746	1886	4632
eco-ATW 12-4L24	18,350	7,950	26,920	(2) 18.5	77.6	4	100.8	3096	3710	(2) 300	23,330	781	2746	1886	4632
eco-ATW 12-4M24	18,400	7,970	26,960	(2) 22	81.7	4	100.8	3096	3710	(2) 300	23,380	781	2746	1886	4632
eco-ATW 12-4N24	18,540	8,040	27,110	(2) 30	88.5	4	100.8	3096	3710	(2) 300	23,520	781	2746	1886	4632
eco-ATW 12-5K24	21,070	9,310	30,370	(2) 15	70.6	4	100.8	3834	3710	(2) 300	26,790	997	2962	1886	4848
eco-ATW 12-5L24	21,100	9,320	30,400	(2) 18.5	75.3	4	100.8	3834	3710	(2) 300	26,820	997	2962	1886	4848
eco-ATW 12-5M24	21,150	9,340	30,450	(2) 22	79.2	4	100.8	3834	3710	(2) 300	26,860	997	2962	1886	4848
eco-ATW 12-5N24	21,290	9,420	30,590	(2) 30	85.9	4	100.8	3834	3710	(2) 300	27,010	997	2962	1886	4848
eco-ATW 12-6L24	24,010	10,780	34,050	(2) 18.5	73.0	4	100.8	4572	3710	(2) 300	30,460	1213	3178	1886	5064
eco-ATW 12-6M24	24,060	10,800	34,090	(2) 22	76.8	4	100.8	4572	3710	(2) 300	30,510	1213	3178	1886	5064
eco-ATW 12-6N24	24,200	10,870	34,240	(2) 30	83.2	4	100.8	4572	3710	(2) 300	30,650	1213	3178	1886	5064

† Model Numbers end in "Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

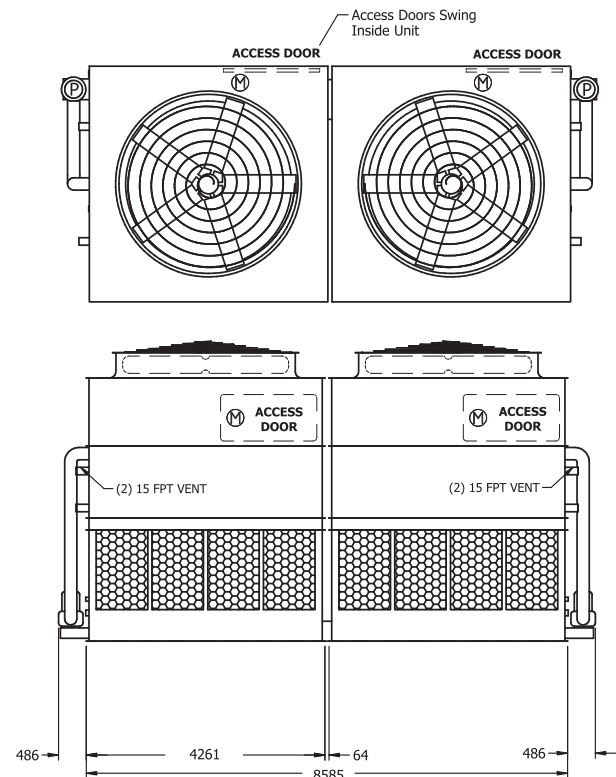
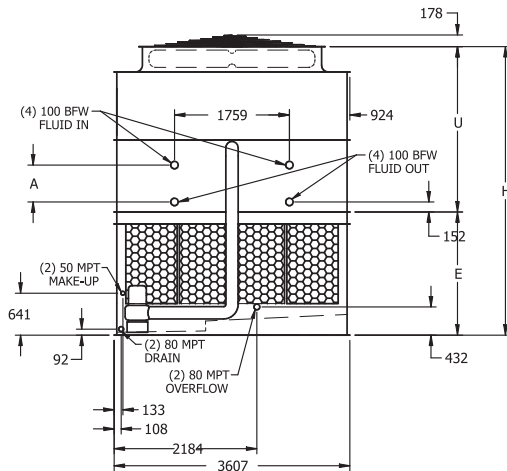
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3K28 to 12-6N28



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 3.6mx8.5m (eco-ATW 12x28) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3K28	17,530	7,380	26,710	(2) 15	83.1	4	113.4	2736	4315	(2) 300	22,560	565	2530	2191	4721
eco-ATW 12-3L28	17,550	7,390	26,730	(2) 18.5	89.3	4	113.4	2736	4315	(2) 300	22,590	565	2530	2191	4721
eco-ATW 12-3M28	17,600	7,410	26,780	(2) 22	94.0	4	113.4	2736	4315	(2) 300	22,630	565	2530	2191	4721
eco-ATW 12-3N28	17,740	7,480	26,930	(2) 30	101.9	4	113.4	2736	4315	(2) 300	22,780	565	2530	2191	4721
eco-ATW 12-4K28	20,900	9,060	30,940	(2) 15	80.7	4	113.4	3599	4315	(2) 300	26,800	781	2746	2191	4937
eco-ATW 12-4L28	20,930	9,080	30,970	(2) 18.5	86.7	4	113.4	3599	4315	(2) 300	26,830	781	2746	2191	4937
eco-ATW 12-4M28	20,970	9,100	31,020	(2) 22	91.3	4	113.4	3599	4315	(2) 300	26,870	781	2746	2191	4937
eco-ATW 12-4N28	21,120	9,170	31,160	(2) 30	98.9	4	113.4	3599	4315	(2) 300	27,020	781	2746	2191	4937
eco-ATW 12-5L28	24,090	10,660	35,000	(2) 18.5	84.1	4	113.4	4462	4315	(2) 300	30,850	997	2962	2191	5153
eco-ATW 12-5M28	24,140	10,680	35,040	(2) 22	88.5	4	113.4	4462	4315	(2) 300	30,900	997	2962	2191	5153
eco-ATW 12-5N28	24,290	10,750	35,190	(2) 30	96.0	4	113.4	4462	4315	(2) 300	31,040	997	2962	2191	5153
eco-ATW 12-6L28	27,760	12,490	39,530	(2) 18.5	81.5	4	113.4	5325	4315	(2) 300	35,380	1213	3178	2191	5369
eco-ATW 12-6M28	27,810	12,510	39,570	(2) 22	85.8	4	113.4	5325	4315	(2) 300	35,430	1213	3178	2191	5369
eco-ATW 12-6N28	27,950	12,590	39,720	(2) 30	93.0	4	113.4	5325	4315	(2) 300	35,570	1213	3178	2191	5369

† Model Numbers end in "Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

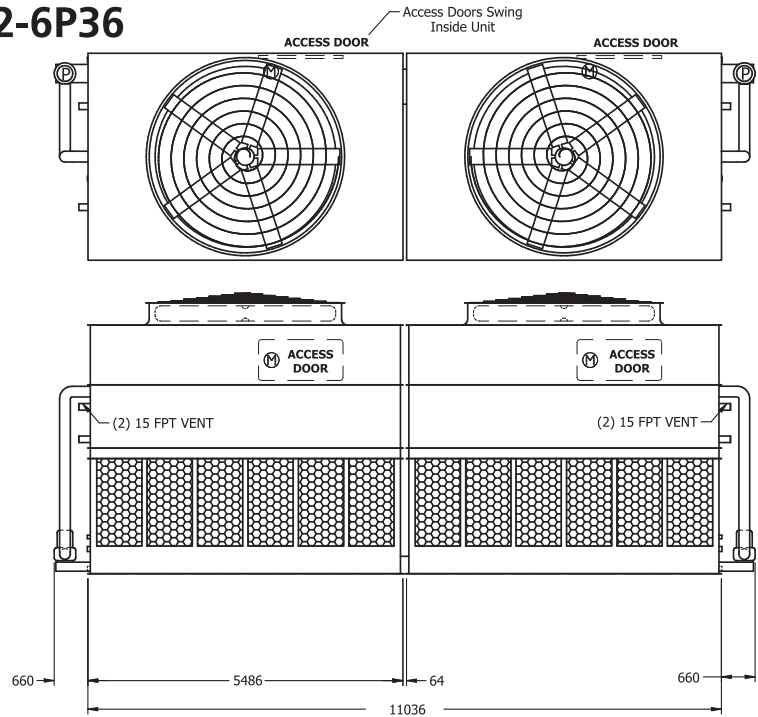
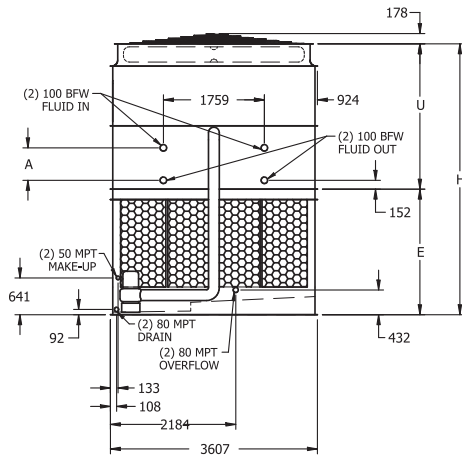
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3K36 to 12-6P36



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 3.6mx11m (eco-ATW 12x36) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3K36	22,040	9,240	33,780	(2) 15	101.6	5.5	151.2	3489	5450	(2) 300	28,460	565	2530	2191	4721
eco-ATW 12-3L36	22,070	9,260	33,810	(2) 18.5	109.4	5.5	151.2	3489	5450	(2) 300	28,490	565	2530	2191	4721
eco-ATW 12-3M36	22,120	9,280	33,860	(2) 22	116.3	5.5	151.2	3489	5450	(2) 300	28,530	565	2530	2191	4721
eco-ATW 12-3N36	22,260	9,350	34,000	(2) 30	126.2	5.5	151.2	3489	5450	(2) 300	28,680	565	2530	2191	4721
eco-ATW 12-4K36	26,360	11,400	39,220	(2) 15	98.6	5.5	151.2	4603	5450	(2) 300	33,890	781	2746	2191	4937
eco-ATW 12-4L36	26,390	11,420	39,240	(2) 18.5	106.2	5.5	151.2	4603	5450	(2) 300	33,920	781	2746	2191	4937
eco-ATW 12-4M36	26,440	11,440	39,290	(2) 22	112.9	5.5	151.2	4603	5450	(2) 300	33,960	781	2746	2191	4937
eco-ATW 12-4N36	26,580	11,510	39,440	(2) 30	122.5	5.5	151.2	4603	5450	(2) 300	34,110	781	2746	2191	4937
eco-ATW 12-4O36	26,590	11,520	39,440	(2) 37	130.4	5.5	151.2	4603	5450	(2) 300	34,120	781	2746	2191	4937
eco-ATW 12-5L36	30,560	13,500	44,520	(2) 18.5	103.0	5.5	151.2	5717	5450	(2) 300	39,200	997	2962	2191	5153
eco-ATW 12-5M36	30,610	13,530	44,570	(2) 22	109.5	5.5	151.2	5717	5450	(2) 300	39,240	997	2962	2191	5153
eco-ATW 12-5N36	30,750	13,600	44,720	(2) 30	118.8	5.5	151.2	5717	5450	(2) 300	39,390	997	2962	2191	5153
eco-ATW 12-5O36	30,760	13,600	44,720	(2) 37	126.5	5.5	151.2	5717	5450	(2) 300	39,400	997	2962	2191	5153
eco-ATW 12-6M36	34,830	15,640	49,900	(2) 22	106.1	5.5	151.2	6832	5450	(2) 300	44,580	1213	3178	2191	5369
eco-ATW 12-6N36	34,970	15,710	50,050	(2) 30	115.1	5.5	151.2	6832	5450	(2) 300	44,720	1213	3178	2191	5369
eco-ATW 12-6O36	34,980	15,710	50,060	(2) 37	122.6	5.5	151.2	6832	5450	(2) 300	44,730	1213	3178	2191	5369
eco-ATW 12-6P36	35,160	15,800	50,240	(2) 45	129.0	5.5	151.2	6832	5450	(2) 300	44,910	1213	3178	2191	5369

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

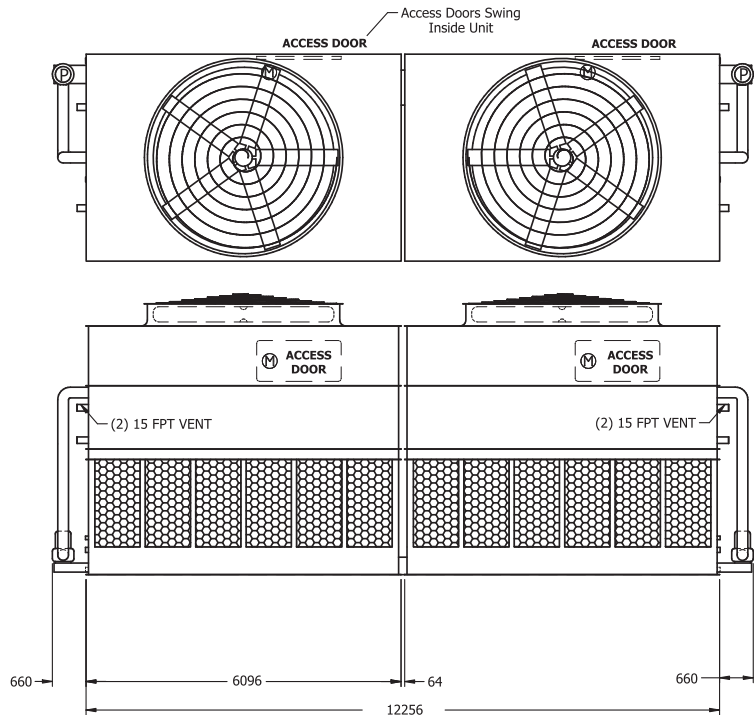
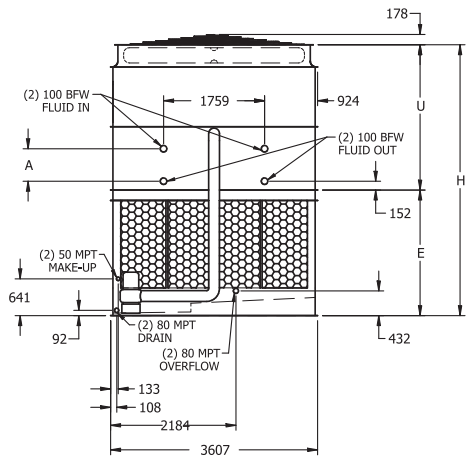
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 12-3L40 to 12-6P40



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 3.6mx12m (eco-ATW 12x40) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 12-3L40	24,380	10,140	37,500	(2) 18.5	117.4	7.5	176.4	3865	6055	(2) 350	31,420	565	2530	2191	4721
eco-ATW 12-3M40	24,420	10,170	37,550	(2) 22	124.7	7.5	176.4	3865	6055	(2) 350	31,470	565	2530	2191	4721
eco-ATW 12-3N40	24,570	10,240	37,690	(2) 30	136.1	7.5	176.4	3865	6055	(2) 350	31,620	565	2530	2191	4721
eco-ATW 12-3O40	24,580	10,240	37,700	(2) 37	144.9	7.5	176.4	3865	6055	(2) 350	31,620	565	2530	2191	4721
eco-ATW 12-4L40	29,130	12,520	43,500	(2) 18.5	114.0	7.5	176.4	5105	6055	(2) 350	37,420	781	2746	2191	4937
eco-ATW 12-4M40	29,180	12,540	43,540	(2) 22	121.1	7.5	176.4	5105	6055	(2) 350	37,470	781	2746	2191	4937
eco-ATW 12-4N40	29,320	12,610	43,690	(2) 30	132.2	7.5	176.4	5105	6055	(2) 350	37,610	781	2746	2191	4937
eco-ATW 12-4O40	29,330	12,620	43,700	(2) 37	140.7	7.5	176.4	5105	6055	(2) 350	37,620	781	2746	2191	4937
eco-ATW 12-5M40	33,820	14,860	49,430	(2) 22	117.5	7.5	176.4	6345	6055	(2) 350	43,350	997	2962	2191	5153
eco-ATW 12-5N40	33,960	14,940	49,580	(2) 30	128.2	7.5	176.4	6345	6055	(2) 350	43,500	997	2962	2191	5153
eco-ATW 12-5O40	33,970	14,940	49,590	(2) 37	136.5	7.5	176.4	6345	6055	(2) 350	43,510	997	2962	2191	5153
eco-ATW 12-5P40	34,160	15,030	49,770	(2) 45	143.6	7.5	176.4	6345	6055	(2) 350	43,690	997	2962	2191	5153
eco-ATW 12-6N40	39,090	17,500	55,940	(2) 30	124.2	7.5	176.4	7585	6055	(2) 350	49,860	1213	3178	2191	5369
eco-ATW 12-6O40	39,100	17,500	55,950	(2) 37	132.2	7.5	176.4	7585	6055	(2) 350	49,870	1213	3178	2191	5369
eco-ATW 12-6P40	39,280	17,590	56,130	(2) 45	139.2	7.5	176.4	7585	6055	(2) 350	50,050	1213	3178	2191	5369

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

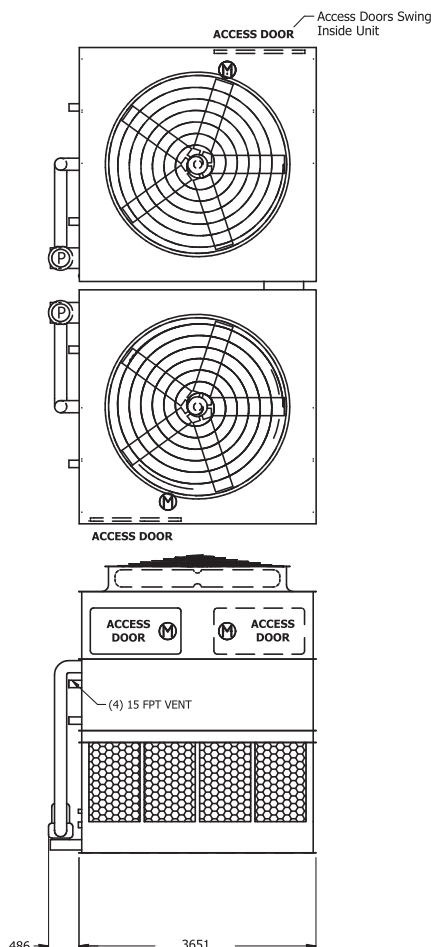
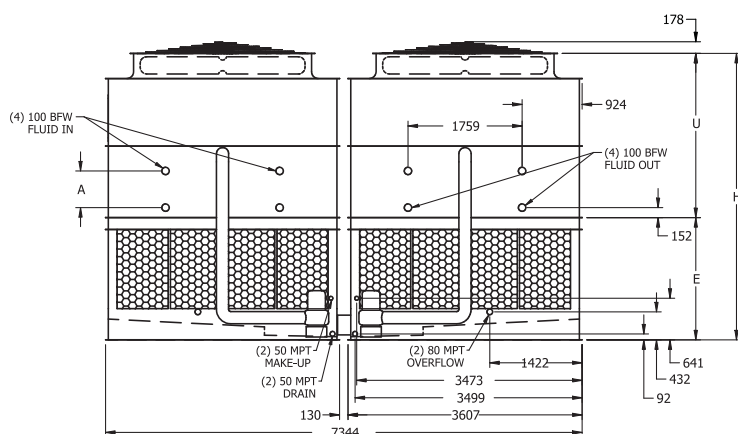
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3J12 to 24-6N12



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 7.3mx3.6m (eco-ATW 24x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3J12	15,380	6,460	23,200	(2) 11	68.1	4	100.8	2359	3710	(2) 300	19,610	565	2530	1886	4416
eco-ATW 24-3K12	15,430	6,490	23,250	(2) 15	75.0	4	100.8	2359	3710	(2) 300	19,670	565	2530	1886	4416
eco-ATW 24-3L12	15,460	6,500	23,280	(2) 18.5	79.9	4	100.8	2359	3710	(2) 300	19,690	565	2530	1886	4416
eco-ATW 24-3M12	15,500	6,520	23,320	(2) 22	84.1	4	100.8	2359	3710	(2) 300	19,740	565	2530	1886	4416
eco-ATW 24-4K12	18,330	7,930	26,890	(2) 15	72.8	4	100.8	3096	3710	(2) 300	23,310	781	2746	1886	4632
eco-ATW 24-4L12	18,350	7,950	26,920	(2) 18.5	77.6	4	100.8	3096	3710	(2) 300	23,330	781	2746	1886	4632
eco-ATW 24-4M12	18,400	7,970	26,960	(2) 22	81.7	4	100.8	3096	3710	(2) 300	23,380	781	2746	1886	4632
eco-ATW 24-4N12	18,540	8,040	27,110	(2) 30	88.5	4	100.8	3096	3710	(2) 300	23,520	781	2746	1886	4632
eco-ATW 24-5K12	21,070	9,310	30,370	(2) 15	70.6	4	100.8	3834	3710	(2) 300	26,790	997	2962	1886	4848
eco-ATW 24-5L12	21,100	9,320	30,400	(2) 18.5	75.3	4	100.8	3834	3710	(2) 300	26,820	997	2962	1886	4848
eco-ATW 24-5M12	21,150	9,340	30,450	(2) 22	79.2	4	100.8	3834	3710	(2) 300	26,860	997	2962	1886	4848
eco-ATW 24-5N12	21,290	9,420	30,590	(2) 30	85.9	4	100.8	3834	3710	(2) 300	27,010	997	2962	1886	4848
eco-ATW 24-6L12	24,010	10,780	34,050	(2) 18.5	73.0	4	100.8	4572	3710	(2) 300	30,460	1213	3178	1886	5064
eco-ATW 24-6M12	24,060	10,800	34,090	(2) 22	76.8	4	100.8	4572	3710	(2) 300	30,510	1213	3178	1886	5064
eco-ATW 24-6N12	24,200	10,870	34,240	(2) 30	83.2	4	100.8	4572	3710	(2) 300	30,650	1213	3178	1886	5064

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

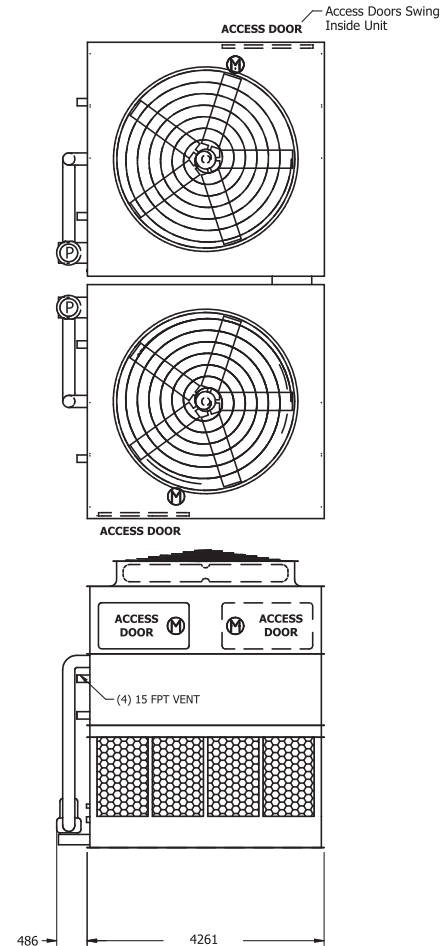
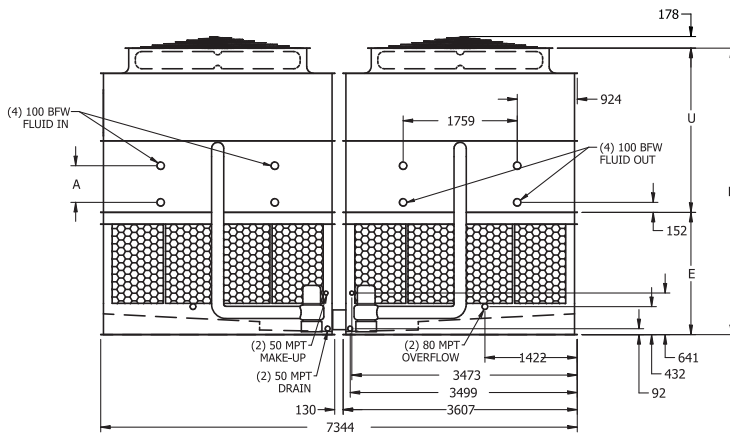
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3K14 to 24-6N14



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 7.3mx4.2m (eco-ATW 24x14) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3K14	17,530	7,380	26,710	(2) 15	83.1	4	113.4	2736	4315	(2) 300	22,560	565	2530	2191	4721
eco-ATW 24-3L14	17,550	7,390	26,730	(2) 18.5	89.3	4	113.4	2736	4315	(2) 300	22,590	565	2530	2191	4721
eco-ATW 24-3M14	17,600	7,410	26,780	(2) 22	94.0	4	113.4	2736	4315	(2) 300	22,630	565	2530	2191	4721
eco-ATW 24-3N14	17,740	7,480	26,930	(2) 30	101.9	4	113.4	2736	4315	(2) 300	22,780	565	2530	2191	4721
eco-ATW 24-4K14	20,900	9,060	30,940	(2) 15	80.7	4	113.4	3599	4315	(2) 300	26,800	781	2746	2191	4937
eco-ATW 24-4L14	20,930	9,080	30,970	(2) 18.5	86.7	4	113.4	3599	4315	(2) 300	26,830	781	2746	2191	4937
eco-ATW 24-4M14	20,970	9,100	31,020	(2) 22	91.3	4	113.4	3599	4315	(2) 300	26,870	781	2746	2191	4937
eco-ATW 24-4N14	21,120	9,170	31,160	(2) 30	98.9	4	113.4	3599	4315	(2) 300	27,020	781	2746	2191	4937
eco-ATW 24-5L14	24,090	10,660	35,000	(2) 18.5	84.1	4	113.4	4462	4315	(2) 300	30,850	997	2962	2191	5153
eco-ATW 24-5M14	24,140	10,680	35,040	(2) 22	88.5	4	113.4	4462	4315	(2) 300	30,900	997	2962	2191	5153
eco-ATW 24-5N14	24,290	10,750	35,190	(2) 30	96.0	4	113.4	4462	4315	(2) 300	31,040	997	2962	2191	5153
eco-ATW 24-6L14	27,760	12,490	39,530	(2) 18.5	81.5	4	113.4	5325	4315	(2) 300	35,380	1213	3178	2191	5369
eco-ATW 24-6M14	27,810	12,510	39,570	(2) 22	85.8	4	113.4	5325	4315	(2) 300	35,430	1213	3178	2191	5369
eco-ATW 24-6N14	27,950	12,590	39,720	(2) 30	93.0	4	113.4	5325	4315	(2) 300	35,570	1213	3178	2191	5369

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

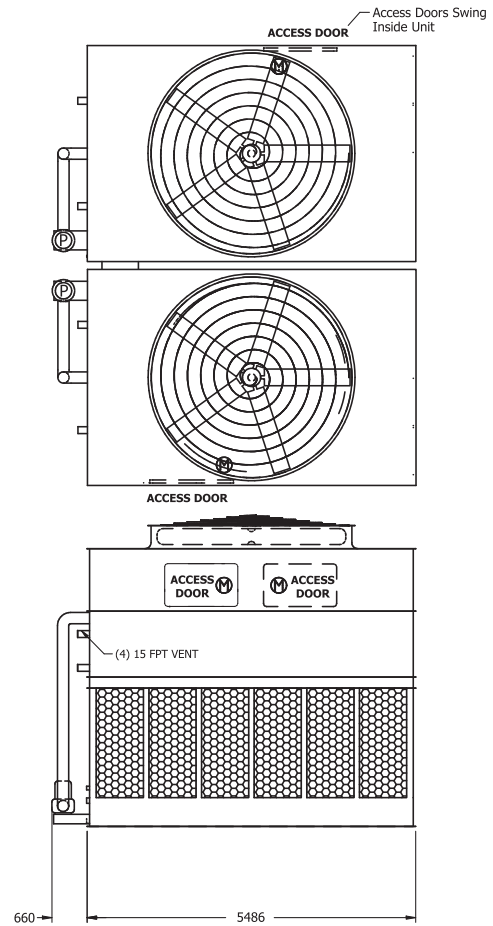
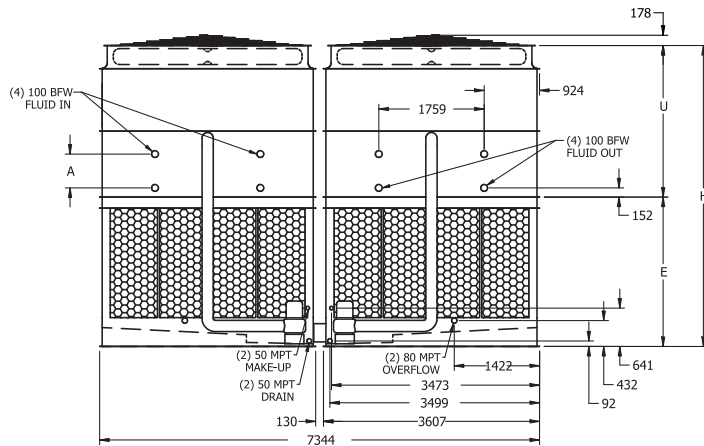
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3K18 to 24-6P18



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 7.3mx5.4m (eco-ATW 24x18) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3K18	22,040	9,240	33,780	(2) 15	101.6	5.5	151.2	3489	5450	(2) 300	28,460	565	2530	2496	5026
eco-ATW 24-3L18	22,070	9,260	33,810	(2) 18.5	109.4	5.5	151.2	3489	5450	(2) 300	28,490	565	2530	2496	5026
eco-ATW 24-3M18	22,120	9,280	33,860	(2) 22	116.3	5.5	151.2	3489	5450	(2) 300	28,530	565	2530	2496	5026
eco-ATW 24-3N18	22,260	9,350	34,000	(2) 30	126.2	5.5	151.2	3489	5450	(2) 300	28,680	565	2530	2496	5026
eco-ATW 24-4K18	26,360	11,400	39,220	(2) 15	98.6	5.5	151.2	4603	5450	(2) 300	33,890	781	2746	2496	5242
eco-ATW 24-4L18	26,390	11,420	39,240	(2) 18.5	106.2	5.5	151.2	4603	5450	(2) 300	33,920	781	2746	2496	5242
eco-ATW 24-4M18	26,440	11,440	39,290	(2) 22	112.9	5.5	151.2	4603	5450	(2) 300	33,960	781	2746	2496	5242
eco-ATW 24-4N18	26,580	11,510	39,440	(2) 30	122.5	5.5	151.2	4603	5450	(2) 300	34,110	781	2746	2496	5242
eco-ATW 24-4O18	26,590	11,520	39,440	(2) 37	130.4	5.5	151.2	4603	5450	(2) 300	34,120	781	2746	2496	5242
eco-ATW 24-5L18	30,560	13,500	44,520	(2) 18.5	103.0	5.5	151.2	5717	5450	(2) 300	39,200	997	2962	2496	5458
eco-ATW 24-5M18	30,610	13,530	44,570	(2) 22	109.5	5.5	151.2	5717	5450	(2) 300	39,240	997	2962	2496	5458
eco-ATW 24-5N18	30,750	13,600	44,720	(2) 30	118.8	5.5	151.2	5717	5450	(2) 300	39,390	997	2962	2496	5458
eco-ATW 24-5O18	30,760	13,600	44,720	(2) 37	126.5	5.5	151.2	5717	5450	(2) 300	39,400	997	2962	2496	5458
eco-ATW 24-6M18	34,830	15,640	49,900	(2) 22	106.1	5.5	151.2	6832	5450	(2) 300	44,580	1213	3178	2496	5674
eco-ATW 24-6N18	34,970	15,710	50,050	(2) 30	115.1	5.5	151.2	6832	5450	(2) 300	44,720	1213	3178	2496	5674
eco-ATW 24-6O18	34,980	15,710	50,060	(2) 37	122.6	5.5	151.2	6832	5450	(2) 300	44,730	1213	3178	2496	5674
eco-ATW 24-6P18	35,160	15,800	50,240	(2) 45	129.0	5.5	151.2	6832	5450	(2) 300	44,910	1213	3178	2496	5674

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

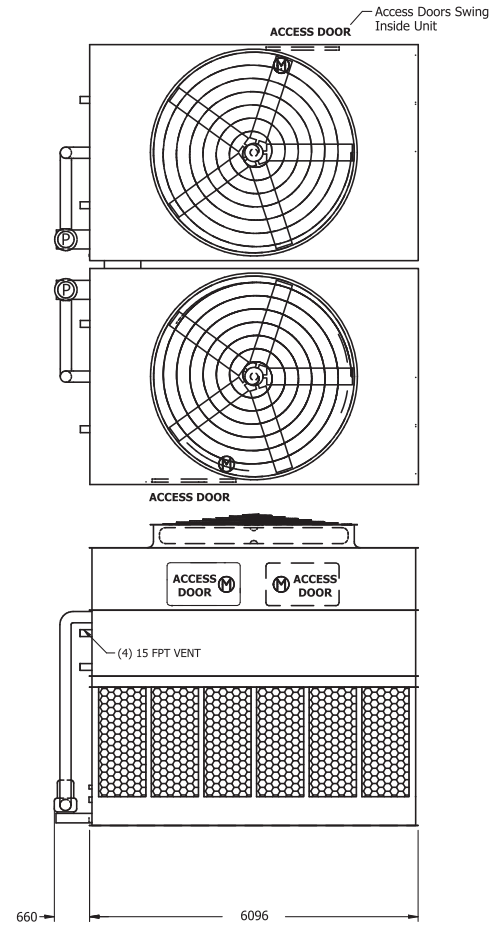
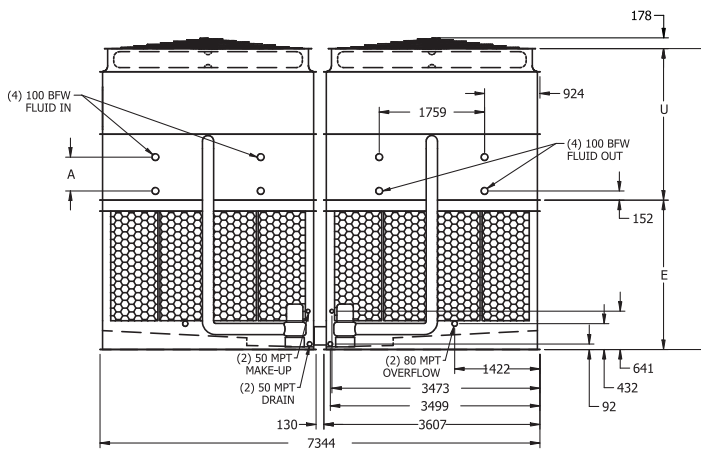
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3L20 to 24-6P20



Note: The number of coil connections doubles when the flow rate exceeds 112 l/s on 7.3mx6m (eco-ATW 24x20) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3L20	24,380	10,140	37,500	(2) 18.5	117.4	7.5	176.4	3865	6055	(2) 350	31,420	565	2530	2496	5026
eco-ATW 24-3M20	24,420	10,170	37,550	(2) 22	124.7	7.5	176.4	3865	6055	(2) 350	31,470	565	2530	2496	5026
eco-ATW 24-3N20	24,570	10,240	37,690	(2) 30	136.1	7.5	176.4	3865	6055	(2) 350	31,620	565	2530	2496	5026
eco-ATW 24-3O20	24,580	10,240	37,700	(2) 37	144.9	7.5	176.4	3865	6055	(2) 350	31,620	565	2530	2496	5026
eco-ATW 24-4L20	29,130	12,520	43,500	(2) 18.5	114.0	7.5	176.4	5105	6055	(2) 350	37,420	781	2746	2496	5242
eco-ATW 24-4M20	29,180	12,540	43,540	(2) 22	121.1	7.5	176.4	5105	6055	(2) 350	37,470	781	2746	2496	5242
eco-ATW 24-4N20	29,320	12,610	43,690	(2) 30	132.2	7.5	176.4	5105	6055	(2) 350	37,610	781	2746	2496	5242
eco-ATW 24-4O20	29,330	12,620	43,700	(2) 37	140.7	7.5	176.4	5105	6055	(2) 350	37,620	781	2746	2496	5242
eco-ATW 24-5M20	33,820	14,860	49,430	(2) 22	117.5	7.5	176.4	6345	6055	(2) 350	43,350	997	2962	2496	5458
eco-ATW 24-5N20	33,960	14,940	49,580	(2) 30	128.2	7.5	176.4	6345	6055	(2) 350	43,500	997	2962	2496	5458
eco-ATW 24-5O20	33,970	14,940	49,590	(2) 37	136.5	7.5	176.4	6345	6055	(2) 350	43,510	997	2962	2496	5458
eco-ATW 24-5P20	34,160	15,030	49,770	(2) 45	143.6	7.5	176.4	6345	6055	(2) 350	43,690	997	2962	2496	5458
eco-ATW 24-6N20	39,090	17,500	55,940	(2) 30	124.2	7.5	176.4	7585	6055	(2) 350	49,860	1213	3178	2496	5674
eco-ATW 24-6O20	39,100	17,500	55,950	(2) 37	132.2	7.5	176.4	7585	6055	(2) 350	49,870	1213	3178	2496	5674
eco-ATW 24-6P20	39,280	17,590	56,130	(2) 45	139.2	7.5	176.4	7585	6055	(2) 350	50,050	1213	3178	2496	5674

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

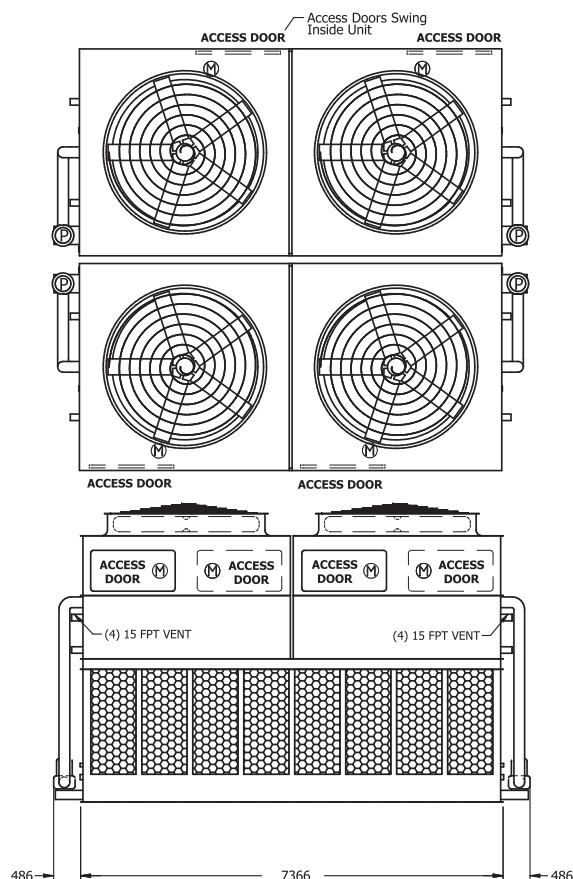
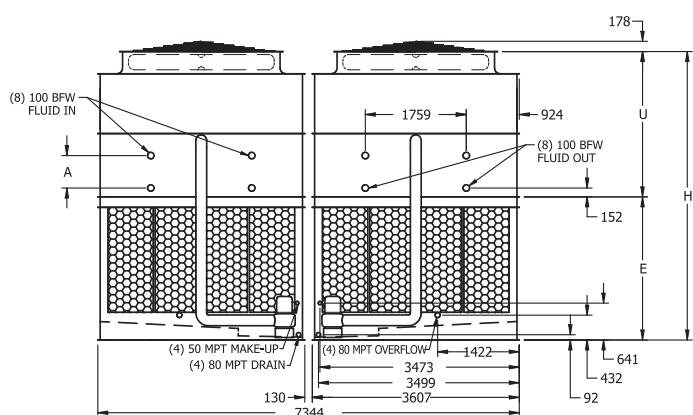
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3J24 to 24-6N24



Note: The number of coil connections doubles when the flow rate exceeds 224 l/s on 7.3mx7.3m (eco-ATW 24x24) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3J24	30,910	6,460	46,560	(4) 11	136.3	4	201.6	4718	7420	(4) 300	39,270	565	2530	2496	5026
eco-ATW 24-3K24	31,020	6,490	46,670	(4) 15	150.0	4	201.6	4718	7420	(4) 300	39,380	565	2530	2496	5026
eco-ATW 24-3L24	31,070	6,500	46,720	(4) 18.5	159.9	4	201.6	4718	7420	(4) 300	39,440	565	2530	2496	5026
eco-ATW 24-3M24	31,160	6,520	46,810	(4) 22	168.2	4	201.6	4718	7420	(4) 300	39,530	565	2530	2496	5026
eco-ATW 24-4J24	36,700	7,910	53,830	(4) 11	132.3	4	201.6	6193	7420	(4) 300	46,550	781	2746	2496	5242
eco-ATW 24-4K24	36,800	7,930	53,940	(4) 15	145.6	4	201.6	6193	7420	(4) 300	46,660	781	2746	2496	5242
eco-ATW 24-4L24	36,860	7,950	54,000	(4) 18.5	155.2	4	201.6	6193	7420	(4) 300	46,710	781	2746	2496	5242
eco-ATW 24-4M24	36,950	7,970	54,090	(4) 22	163.3	4	201.6	6193	7420	(4) 300	46,800	781	2746	2496	5242
eco-ATW 24-4N24	37,240	8,040	54,380	(4) 30	177.1	4	201.6	6193	7420	(4) 300	47,090	781	2746	2496	5242
eco-ATW 24-5K24	42,300	9,310	60,910	(4) 15	141.3	4	201.6	7668	7420	(4) 300	53,620	997	2962	2496	5458
eco-ATW 24-5L24	42,360	9,320	60,960	(4) 18.5	150.6	4	201.6	7668	7420	(4) 300	53,680	997	2962	2496	5458
eco-ATW 24-5M24	42,450	9,340	61,050	(4) 22	158.4	4	201.6	7668	7420	(4) 300	53,770	997	2962	2496	5458
eco-ATW 24-5N24	42,740	9,420	61,340	(4) 30	171.7	4	201.6	7668	7420	(4) 300	54,060	997	2962	2496	5458
eco-ATW 24-6L24	48,180	10,780	68,260	(4) 18.5	145.9	4	201.6	9143	7420	(4) 300	60,970	1213	3178	2496	5674
eco-ATW 24-6M24	48,270	10,800	68,350	(4) 22	153.5	4	201.6	9143	7420	(4) 300	61,060	1213	3178	2496	5674
eco-ATW 24-6N24	48,560	10,870	68,640	(4) 30	166.4	4	201.6	9143	7420	(4) 300	61,350	1213	3178	2496	5674

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

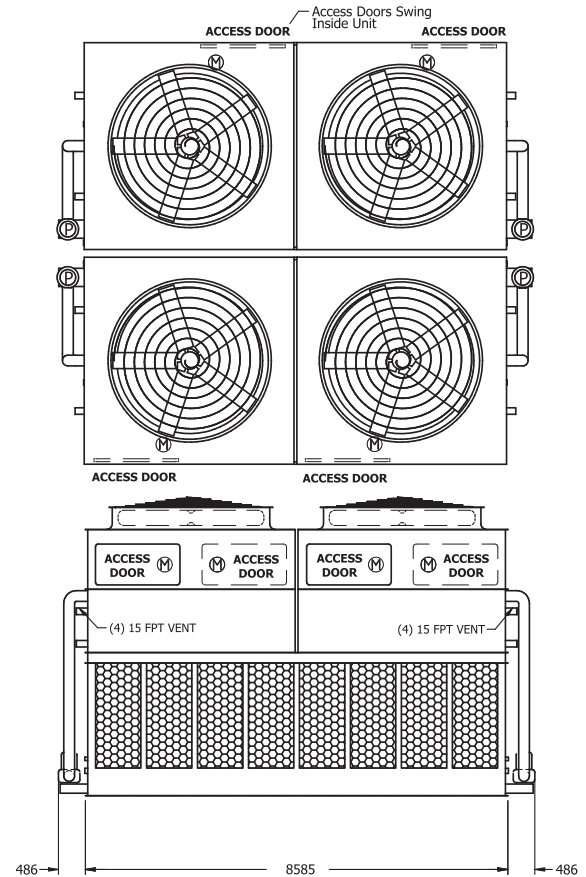
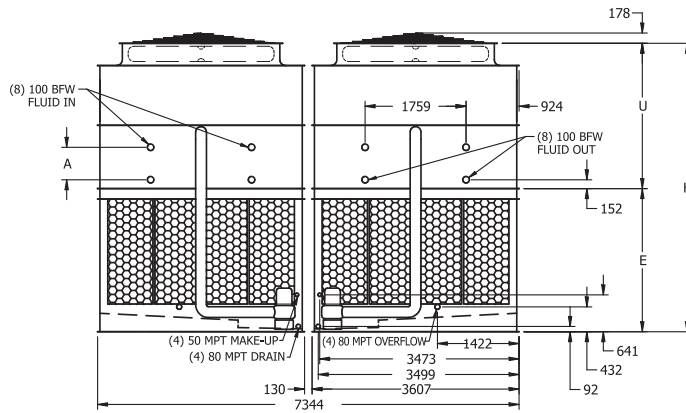
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3K28 to 24-6N28



Note: The number of coil connections doubles when the flow rate exceeds 224 l/s on 7.3mx8.5m (eco-ATW 24x28) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3K28	35,140	7,380	53,570	(4) 15	166.3	4	226.8	5471	8630	(4) 300	45,150	565	2530	2496	5026
eco-ATW 24-3L28	35,200	7,390	53,620	(4) 18.5	178.7	4	226.8	5471	8630	(4) 300	45,210	565	2530	2496	5026
eco-ATW 24-3M28	35,290	7,410	53,710	(4) 22	188.0	4	226.8	5471	8630	(4) 300	45,300	565	2530	2496	5026
eco-ATW 24-3N28	35,580	7,480	54,000	(4) 30	203.8	4	226.8	5471	8630	(4) 300	45,590	565	2530	2496	5026
eco-ATW 24-4K28	41,890	9,060	62,040	(4) 15	161.4	4	226.8	7197	8630	(4) 300	53,620	781	2746	2496	5242
eco-ATW 24-4L28	41,950	9,080	62,100	(4) 18.5	173.5	4	226.8	7197	8630	(4) 300	53,680	781	2746	2496	5242
eco-ATW 24-4M28	42,040	9,100	62,190	(4) 22	182.6	4	226.8	7197	8630	(4) 300	53,770	781	2746	2496	5242
eco-ATW 24-4N28	42,330	9,170	62,480	(4) 30	197.9	4	226.8	7197	8630	(4) 300	54,060	781	2746	2496	5242
eco-ATW 24-5L28	48,280	10,660	70,150	(4) 18.5	168.3	4	226.8	8924	8630	(4) 300	61,730	997	2962	2496	5458
eco-ATW 24-5M28	48,370	10,680	70,240	(4) 22	177.1	4	226.8	8924	8630	(4) 300	61,820	997	2962	2496	5458
eco-ATW 24-5N28	48,660	10,750	70,530	(4) 30	191.9	4	226.8	8924	8630	(4) 300	62,110	997	2962	2496	5458
eco-ATW 24-6L28	55,610	12,490	79,210	(4) 18.5	163.1	4	226.8	10650	8630	(4) 300	70,790	1213	3178	2496	5674
eco-ATW 24-6M28	55,700	12,510	79,300	(4) 22	171.6	4	226.8	10650	8630	(4) 300	70,880	1213	3178	2496	5674
eco-ATW 24-6N28	55,990	12,590	79,590	(4) 30	186.0	4	226.8	10650	8630	(4) 300	71,170	1213	3178	2496	5674

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

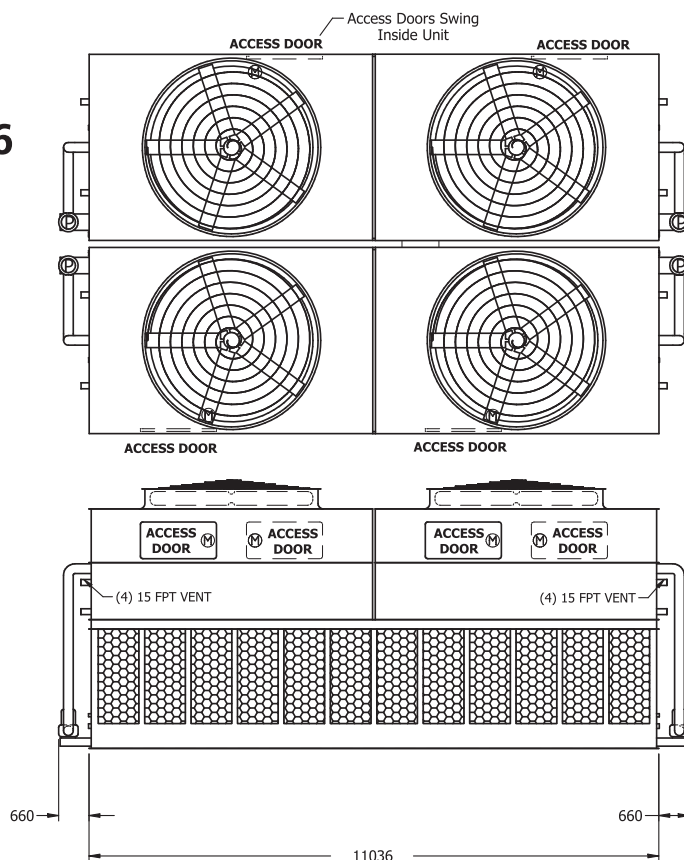
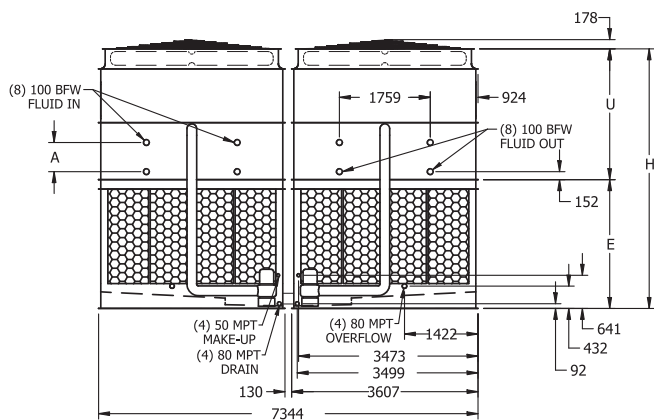
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3K36 to 24-6P36



Note: The number of coil connections doubles when the flow rate exceeds 224 l/s on 7.3mx11m (eco-ATW 24x36) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3K36	44,360	9,240	67,930	(4) 15	196.8	5.5	302.4	6978	10900	(4) 300	57,140	565	2530	2496	5026
eco-ATW 24-3L36	44,420	9,260	67,980	(4) 18.5	212.0	5.5	302.4	6978	10900	(4) 300	57,200	565	2530	2496	5026
eco-ATW 24-3M36	44,510	9,280	68,080	(4) 22	225.3	5.5	302.4	6978	10900	(4) 300	57,290	565	2530	2496	5026
eco-ATW 24-3N36	44,800	9,350	68,370	(4) 30	244.5	5.5	302.4	6978	10900	(4) 300	57,580	565	2530	2496	5026
eco-ATW 24-4K36	53,000	11,400	78,800	(4) 15	191.1	5.5	302.4	9206	10900	(4) 300	68,010	781	2746	2496	5242
eco-ATW 24-4L36	53,050	11,420	78,850	(4) 18.5	205.9	5.5	302.4	9206	10900	(4) 300	68,070	781	2746	2496	5242
eco-ATW 24-4M36	53,140	11,440	78,940	(4) 22	218.8	5.5	302.4	9206	10900	(4) 300	68,160	781	2746	2496	5242
eco-ATW 24-4N36	53,430	11,510	79,230	(4) 30	237.4	5.5	302.4	9206	10900	(4) 300	68,450	781	2746	2496	5242
eco-ATW 24-5L36	61,400	13,500	89,410	(4) 18.5	199.7	5.5	302.4	11435	10900	(4) 300	78,630	997	2962	2496	5458
eco-ATW 24-5M36	61,490	13,530	89,500	(4) 22	212.2	5.5	302.4	11435	10900	(4) 300	78,720	997	2962	2496	5458
eco-ATW 24-5N36	61,780	13,600	89,790	(4) 30	230.3	5.5	302.4	11435	10900	(4) 300	79,010	997	2962	2496	5458
eco-ATW 24-5O36	61,800	13,600	89,810	(4) 37	245.1	5.5	302.4	11435	10900	(4) 300	79,020	997	2962	2496	5458
eco-ATW 24-6M36	69,930	15,640	100,170	(4) 22	205.6	5.5	302.4	13663	10900	(4) 300	89,380	1213	3178	2496	5674
eco-ATW 24-6N36	70,220	15,710	100,460	(4) 30	223.2	5.5	302.4	13663	10900	(4) 300	89,680	1213	3178	2496	5674
eco-ATW 24-6O36	70,230	15,710	100,480	(4) 37	237.6	5.5	302.4	13663	10900	(4) 300	89,690	1213	3178	2496	5674
eco-ATW 24-6P36	70,600	15,800	100,840	(4) 45	250.0	5.5	302.4	13663	10900	(4) 300	90,060	1213	3178	2496	5674

† Model Numbers end in “-Z” for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping. Model numbers will include “R” for units with Low Sound Fan(s) and “S” for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

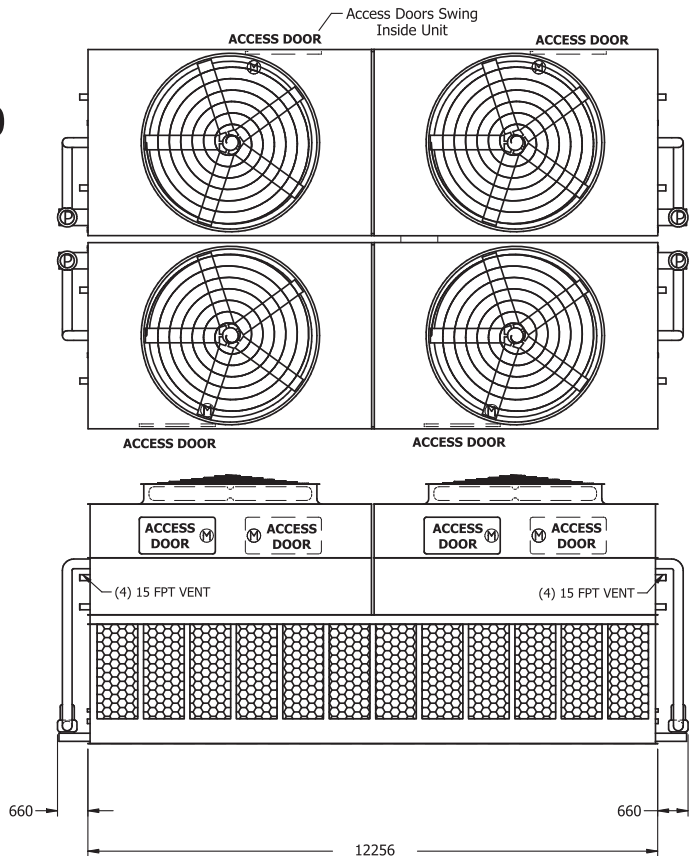
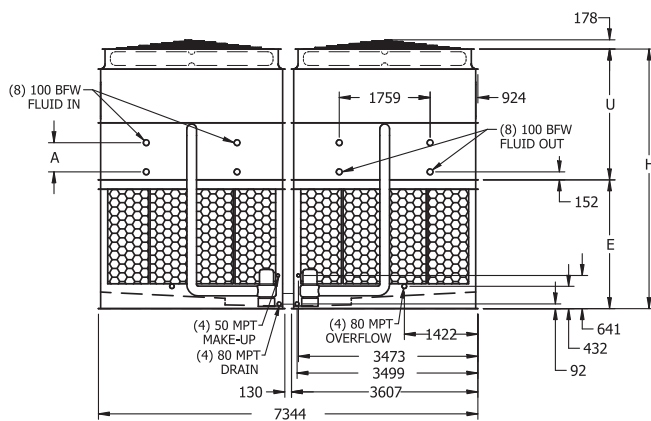
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATW

Engineering Data & Dimensions

eco-ATW Models 24-3L40 to 24-6P40



Note: The number of coil connections doubles when the flow rate exceeds 224 l/s on 7.3mx12m (eco-ATW 24x40) models. This required option is referred to as the High Flow coil configuration.

eco-ATW Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATW 24-3L40	48,800	10,140	75,130	(4) 18.5	234.7	7.5	352.8	7731	12115	(4) 350	62,840	565	2530	2496	5026
eco-ATW 24-3M40	48,890	10,170	75,220	(4) 22	249.4	7.5	352.8	7731	12115	(4) 350	62,930	565	2530	2496	5026
eco-ATW 24-3N40	49,180	10,240	75,510	(4) 30	272.2	7.5	352.8	7731	12115	(4) 350	63,220	565	2530	2496	5026
eco-ATW 24-3O40	49,200	10,240	75,530	(4) 37	289.8	7.5	352.8	7731	12115	(4) 350	63,240	565	2530	2496	5026
eco-ATW 24-4L40	58,300	12,520	87,130	(4) 18.5	227.9	7.5	352.8	10210	12115	(4) 350	74,830	781	2746	2496	5242
eco-ATW 24-4M40	58,400	12,540	87,220	(4) 22	242.2	7.5	352.8	10210	12115	(4) 350	74,920	781	2746	2496	5242
eco-ATW 24-4N40	58,690	12,610	87,510	(4) 30	264.3	7.5	352.8	10210	12115	(4) 350	75,210	781	2746	2496	5242
eco-ATW 24-4O40	58,700	12,620	87,530	(4) 37	281.4	7.5	352.8	10210	12115	(4) 350	75,230	781	2746	2496	5242
eco-ATW 24-5M40	67,690	14,860	98,990	(4) 22	234.9	7.5	352.8	12690	12115	(4) 350	86,700	997	2962	2496	5458
eco-ATW 24-5N40	67,980	14,940	99,280	(4) 30	256.4	7.5	352.8	12690	12115	(4) 350	86,990	997	2962	2496	5458
eco-ATW 24-5O40	67,990	14,940	99,300	(4) 37	272.9	7.5	352.8	12690	12115	(4) 350	87,010	997	2962	2496	5458
eco-ATW 24-5P40	68,360	15,030	99,660	(4) 45	287.2	7.5	352.8	12690	12115	(4) 350	87,370	997	2962	2496	5458
eco-ATW 24-6N40	78,230	17,500	112,000	(4) 30	248.5	7.5	352.8	15170	12115	(4) 350	99,710	1213	3178	2496	5674
eco-ATW 24-6O40	78,240	17,500	112,020	(4) 37	264.5	7.5	352.8	15170	12115	(4) 350	99,730	1213	3178	2496	5674
eco-ATW 24-6P40	78,610	17,590	112,380	(4) 45	278.3	7.5	352.8	15170	12115	(4) 350	100,090	1213	3178	2496	5674

† Model Numbers end in "Z" for units with Series Flow piping configuration. Series Flow units require crossover piping. Model numbers will include "R" for units with Low Sound Fan(s) and "S" for units with an option that negates CTI certification.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-Coolers

NOTES

eco-ATWE

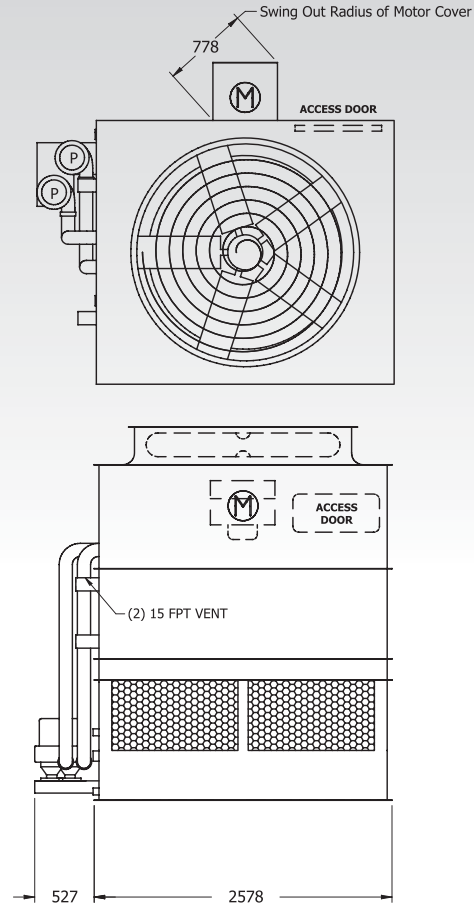
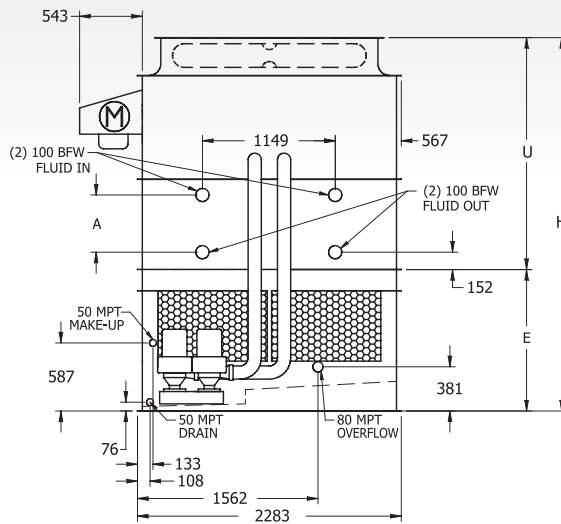
ENGINEERING DATA & DIMENSIONS



eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 9-3G8 to 9-6J8



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx2.2m (eco-ATWE 9x8) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 9-3G8	3,760	3,100	5,310	4	13.7	0.55	42.8	542	835	200	4,780	495	2007	1226	3232
eco-ATWE 9-3H8	3,780	3,120	5,330	5.5	15.7	0.55	42.8	542	835	200	4,800	495	2007	1226	3232
eco-ATWE 9-3I8	3,780	3,120	5,330	7.5	17.2	0.55	42.8	542	835	200	4,800	495	2007	1226	3232
eco-ATWE 9-3J8	3,840	3,180	5,390	11	19.3	0.55	42.8	542	835	200	4,860	495	2007	1226	3232
eco-ATWE 9-4G8	4,380	3,720	6,090	4	13.3	0.55	42.8	707	835	200	5,560	686	2197	1226	3423
eco-ATWE 9-4H8	4,400	3,740	6,110	5.5	15.2	0.55	42.8	707	835	200	5,580	686	2197	1226	3423
eco-ATWE 9-4I8	4,400	3,740	6,120	7.5	16.7	0.55	42.8	707	835	200	5,590	686	2197	1226	3423
eco-ATWE 9-4J8	4,460	3,800	6,180	11	18.7	0.55	42.8	707	835	200	5,650	686	2197	1226	3423
eco-ATWE 9-5H8	5,060	4,400	6,940	5.5	14.8	0.55	42.8	872	835	200	6,410	876	2388	1226	3613
eco-ATWE 9-5I8	5,060	4,410	6,950	7.5	16.2	0.55	42.8	872	835	200	6,420	876	2388	1226	3613
eco-ATWE 9-5J8	5,120	4,460	7,010	11	18.1	0.55	42.8	872	835	200	6,480	876	2388	1226	3613
eco-ATWE 9-6H8	5,710	5,050	7,760	5.5	14.3	0.55	42.8	1038	835	200	7,230	1067	2578	1226	3804
eco-ATWE 9-6I8	5,720	5,060	7,760	7.5	15.7	0.55	42.8	1038	835	200	7,230	1067	2578	1226	3804
eco-ATWE 9-6J8	5,780	5,120	7,820	11	17.6	0.55	42.8	1038	835	200	7,290	1067	2578	1226	3804

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

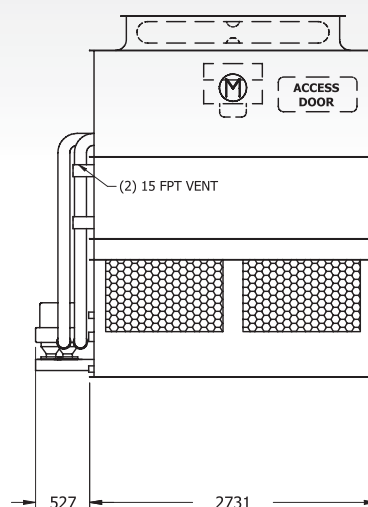
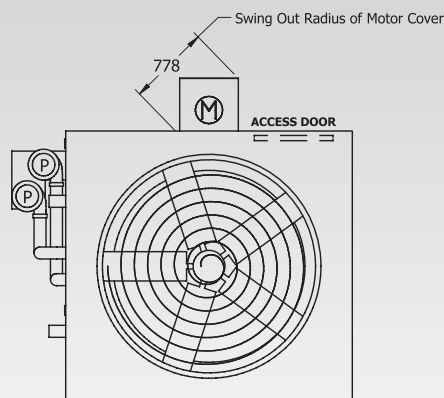
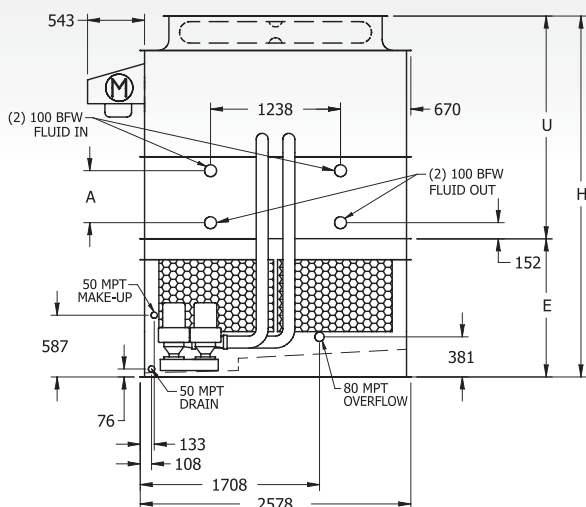
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 9-3H9 to 9-6K9



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx2.7m (eco-ATWE 9x9) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 9-3H9	4,440	3,720	6,250	5.5	17.7	0.75	51.7	623	945	200	5,640	495	2121	1318	3439
eco-ATWE 9-3I9	4,450	3,720	6,260	7.5	19.5	0.75	51.7	623	945	200	5,640	495	2121	1318	3439
eco-ATWE 9-3J9	4,500	3,780	6,310	11	21.9	0.75	51.7	623	945	200	5,700	495	2121	1318	3439
eco-ATWE 9-3K9	4,530	3,810	6,340	15	23.8	0.75	51.7	623	945	200	5,730	495	2121	1318	3439
eco-ATWE 9-4H9	5,180	4,460	7,180	5.5	17.2	0.75	51.7	812	945	200	6,570	686	2311	1318	3629
eco-ATWE 9-4I9	5,190	4,460	7,180	7.5	18.9	0.75	51.7	812	945	200	6,570	686	2311	1318	3629
eco-ATWE 9-4J9	5,250	4,520	7,240	11	21.3	0.75	51.7	812	945	200	6,630	686	2311	1318	3629
eco-ATWE 9-4K9	5,270	4,550	7,270	15	23.1	0.75	51.7	812	945	200	6,660	686	2311	1318	3629
eco-ATWE 9-5H9	5,970	5,250	8,160	5.5	16.7	0.75	51.7	1001	945	200	7,550	876	2502	1318	3820
eco-ATWE 9-5I9	5,980	5,260	8,170	7.5	18.3	0.75	51.7	1001	945	200	7,550	876	2502	1318	3820
eco-ATWE 9-5J9	6,040	5,310	8,220	11	20.6	0.75	51.7	1001	945	200	7,610	876	2502	1318	3820
eco-ATWE 9-5K9	6,070	5,340	8,250	15	22.4	0.75	51.7	1001	945	200	7,640	876	2502	1318	3820
eco-ATWE 9-6I9	6,750	6,030	9,130	7.5	17.8	0.75	51.7	1191	945	200	8,520	1067	2692	1318	4010
eco-ATWE 9-6J9	6,810	6,090	9,190	11	20.0	0.75	51.7	1191	945	200	8,580	1067	2692	1318	4010
eco-ATWE 9-6K9	6,840	6,110	9,220	15	21.7	0.75	51.7	1191	945	200	8,600	1067	2692	1318	4010

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

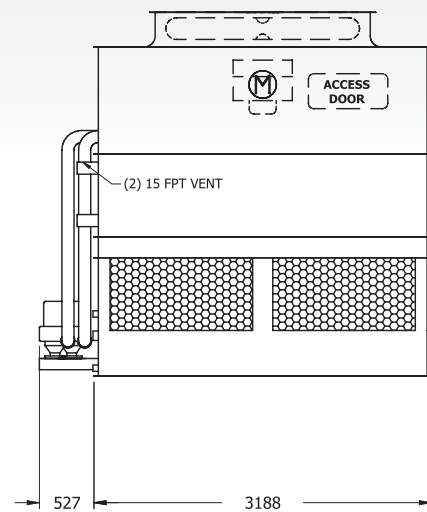
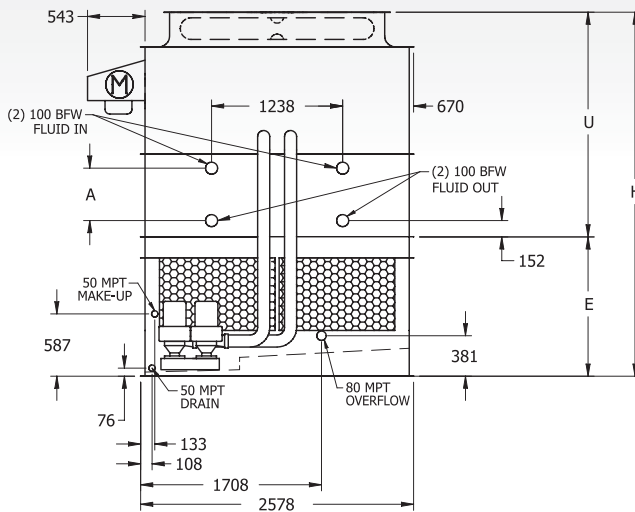
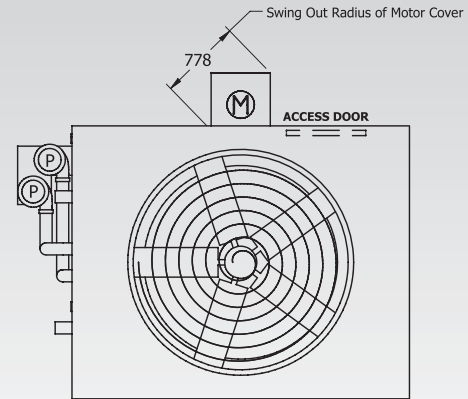
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 9-3H11 to 9-6L11



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx3.1m (eco-ATWE 9x11) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 9-3H11	5,110	4,300	7,230	5.5	19.6	1.1	63.0	720	1100	250	6,520	495	2121	1318	3439
eco-ATWE 9-3I11	5,120	4,310	7,240	7.5	21.6	1.1	63.0	720	1100	250	6,530	495	2121	1318	3439
eco-ATWE 9-3J11	5,170	4,360	7,300	11	24.5	1.1	63.0	720	1100	250	6,590	495	2121	1318	3439
eco-ATWE 9-3K11	5,200	4,390	7,320	15	26.6	1.1	63.0	720	1100	250	6,620	495	2121	1318	3439
eco-ATWE 9-4H11	5,970	5,160	8,320	5.5	19.1	1.1	63.0	942	1100	250	7,610	686	2311	1318	3629
eco-ATWE 9-4I11	5,980	5,170	8,330	7.5	21.0	1.1	63.0	942	1100	250	7,620	686	2311	1318	3629
eco-ATWE 9-4J11	6,030	5,220	8,380	11	23.8	1.1	63.0	942	1100	250	7,670	686	2311	1318	3629
eco-ATWE 9-4K11	6,060	5,250	8,410	15	25.8	1.1	63.0	942	1100	250	7,700	686	2311	1318	3629
eco-ATWE 9-5I11	6,910	6,100	9,480	7.5	20.3	1.1	63.0	1164	1100	250	8,770	876	2502	1318	3820
eco-ATWE 9-5J11	6,960	6,150	9,530	11	23.1	1.1	63.0	1164	1100	250	8,820	876	2502	1318	3820
eco-ATWE 9-5K11	6,990	6,180	9,560	15	25.0	1.1	63.0	1164	1100	250	8,850	876	2502	1318	3820
eco-ATWE 9-5L11	7,010	6,190	9,570	18.5	26.6	1.1	63.0	1164	1100	250	8,870	876	2502	1318	3820
eco-ATWE 9-6J11	7,860	7,050	10,650	11	22.4	1.1	63.0	1386	1100	250	9,940	1067	2692	1318	4010
eco-ATWE 9-6K11	7,890	7,080	10,680	15	24.2	1.1	63.0	1386	1100	250	9,970	1067	2692	1318	4010
eco-ATWE 9-6L11	7,900	7,090	10,690	18.5	25.8	1.1	63.0	1386	1100	250	9,990	1067	2692	1318	4010

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

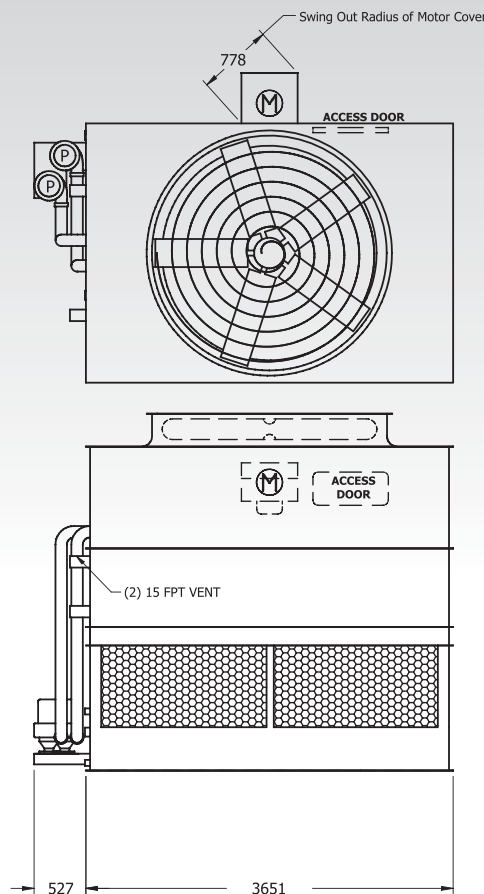
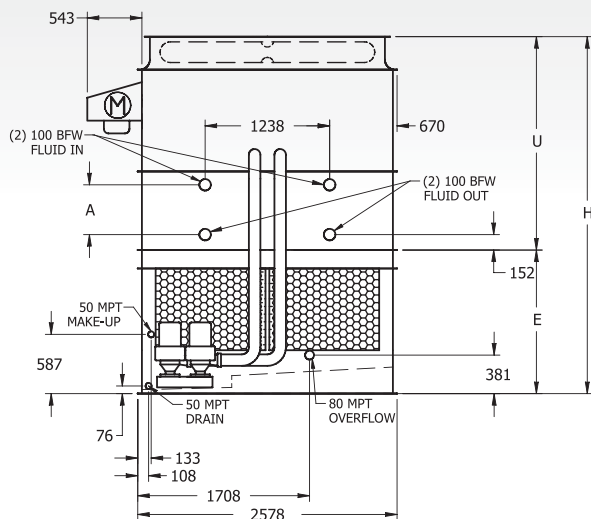
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 9-3I12 to 9-6M12



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx3.6m (eco-ATWE 9x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 9-3I12	5,540	4,650	8,010	7.5	23.6	1.1	69.3	817	1250	250	7,210	495	2121	1429	3550
eco-ATWE 9-3J12	5,600	4,710	8,070	11	27.0	1.1	69.3	817	1250	250	7,270	495	2121	1429	3550
eco-ATWE 9-3K12	5,630	4,740	8,100	15	29.3	1.1	69.3	817	1250	250	7,300	495	2121	1429	3550
eco-ATWE 9-3L12	5,640	4,750	8,110	18.5	31.2	1.1	69.3	817	1250	250	7,310	495	2121	1429	3550
eco-ATWE 9-4I12	6,550	5,660	9,270	7.5	23.0	1.1	69.3	1072	1250	250	8,470	686	2311	1429	3740
eco-ATWE 9-4J12	6,610	5,720	9,330	11	26.2	1.1	69.3	1072	1250	250	8,530	686	2311	1429	3740
eco-ATWE 9-4K12	6,640	5,750	9,360	15	28.4	1.1	69.3	1072	1250	250	8,560	686	2311	1429	3740
eco-ATWE 9-4L12	6,650	5,760	9,370	18.5	30.3	1.1	69.3	1072	1250	250	8,570	686	2311	1429	3740
eco-ATWE 9-5J12	7,610	6,720	10,590	11	25.4	1.1	69.3	1326	1250	250	9,790	876	2502	1429	3931
eco-ATWE 9-5K12	7,640	6,750	10,610	15	27.6	1.1	69.3	1326	1250	250	9,810	876	2502	1429	3931
eco-ATWE 9-5L12	7,650	6,760	10,630	18.5	29.4	1.1	69.3	1326	1250	250	9,830	876	2502	1429	3931
eco-ATWE 9-5M12	7,670	6,780	10,650	22	30.9	1.1	69.3	1326	1250	250	9,850	876	2502	1429	3931
eco-ATWE 9-6J12	8,640	7,750	11,870	11	24.7	1.1	69.3	1580	1250	250	11,070	1067	2692	1429	4121
eco-ATWE 9-6K12	8,670	7,780	11,900	15	26.7	1.1	69.3	1580	1250	250	11,100	1067	2692	1429	4121
eco-ATWE 9-6L12	8,680	7,790	11,910	18.5	28.4	1.1	69.3	1580	1250	250	11,110	1067	2692	1429	4121
eco-ATWE 9-6M12	8,700	7,810	11,930	22	29.9	1.1	69.3	1580	1250	250	11,140	1067	2692	1429	4121

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

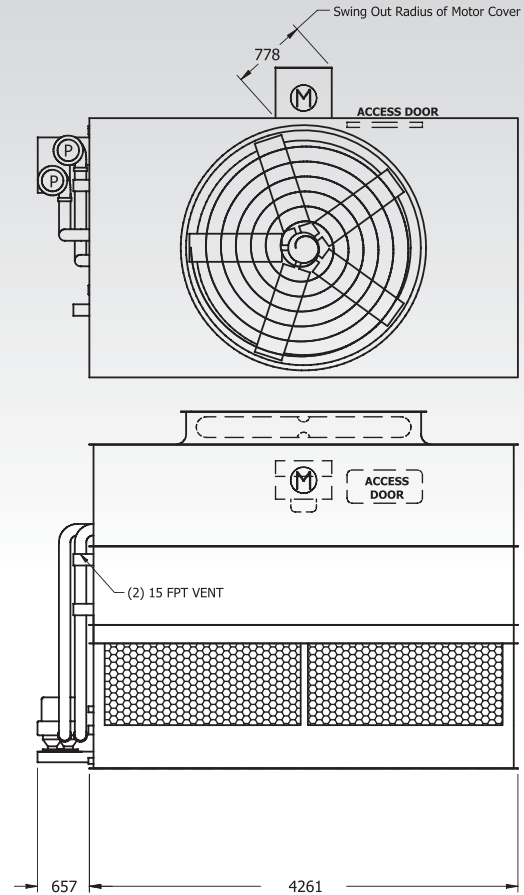
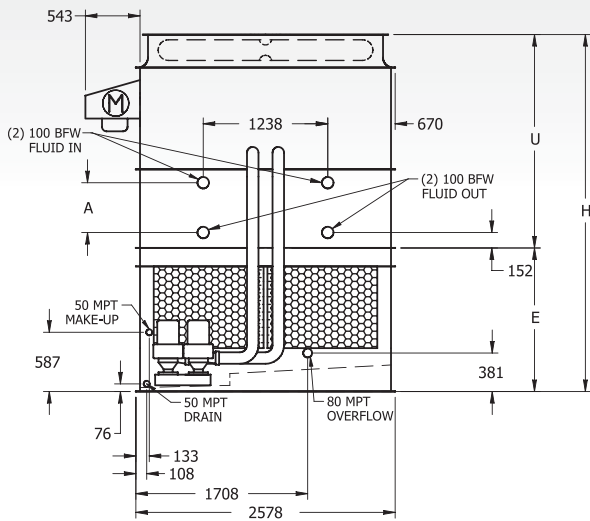
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 9-3I14 to 9-6M14



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx4.2m (eco-ATWE 9x14) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 9-3I14	6,330	5,300	9,190	7.5	26.2	1.5	75.6	947	1440	250	8,250	495	2121	1429	3550
eco-ATWE 9-3J14	6,390	5,360	9,250	11	30.0	1.5	75.6	947	1440	250	8,310	495	2121	1429	3550
eco-ATWE 9-3K14	6,410	5,390	9,270	15	32.7	1.5	75.6	947	1440	250	8,340	495	2121	1429	3550
eco-ATWE 9-3L14	6,430	5,400	9,290	18.5	34.8	1.5	75.6	947	1440	250	8,350	495	2121	1429	3550
eco-ATWE 9-4J14	7,550	6,530	10,710	11	29.1	1.5	75.6	1245	1440	250	9,770	686	2311	1429	3740
eco-ATWE 9-4K14	7,580	6,550	10,740	15	31.8	1.5	75.6	1245	1440	250	9,800	686	2311	1429	3740
eco-ATWE 9-4L14	7,590	6,570	10,750	18.5	33.8	1.5	75.6	1245	1440	250	9,810	686	2311	1429	3740
eco-ATWE 9-4M14	7,610	6,590	10,780	22	35.6	1.5	75.6	1245	1440	250	9,840	686	2311	1429	3740
eco-ATWE 9-5J14	8,720	7,700	12,180	11	28.3	1.5	75.6	1543	1440	250	11,240	876	2502	1429	3931
eco-ATWE 9-5K14	8,750	7,730	12,200	15	30.8	1.5	75.6	1543	1440	250	11,270	876	2502	1429	3931
eco-ATWE 9-5L14	8,760	7,740	12,220	18.5	32.8	1.5	75.6	1543	1440	250	11,280	876	2502	1429	3931
eco-ATWE 9-5M14	8,780	7,760	12,240	22	34.5	1.5	75.6	1543	1440	250	11,300	876	2502	1429	3931
eco-ATWE 9-6K14	9,950	8,920	13,700	15	29.9	1.5	75.6	1840	1440	250	12,760	1067	2692	1429	4121
eco-ATWE 9-6L14	9,960	8,940	13,710	18.5	31.8	1.5	75.6	1840	1440	250	12,780	1067	2692	1429	4121
eco-ATWE 9-6M14	9,980	8,960	13,740	22	33.5	1.5	75.6	1840	1440	250	12,800	1067	2692	1429	4121

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

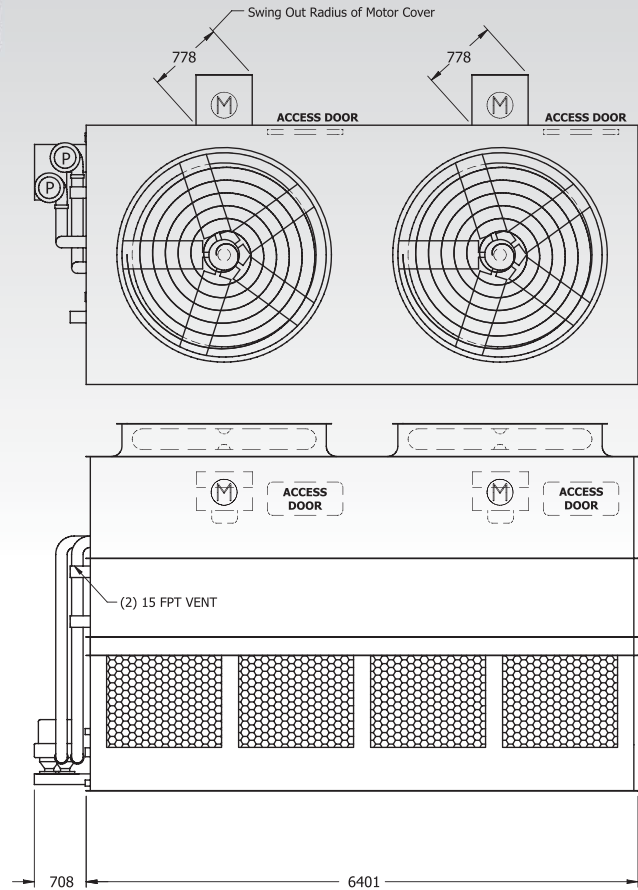
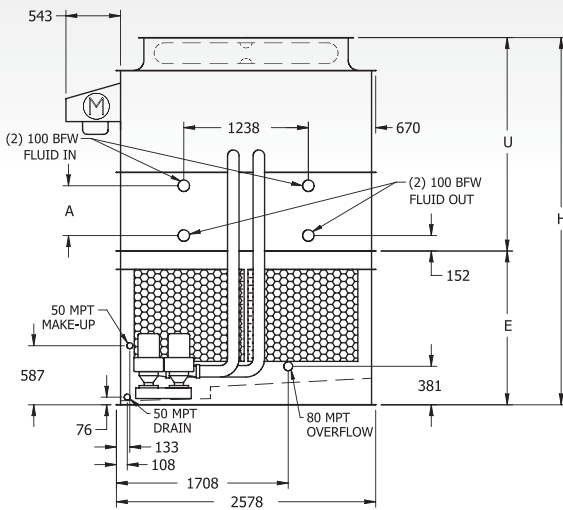
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 9-3H21 to 9-6L21



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 2.5mx6.4m (eco-ATWE 9x21) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 9-3H21	9,620	8,090	13,980	(2) 5.5	39.4	2.2	132.3	1402	2235	300	12,600	495	2121	1530	3651
eco-ATWE 9-3I21	9,630	8,100	13,990	(2) 7.5	43.3	2.2	132.3	1402	2235	300	12,610	495	2121	1530	3651
eco-ATWE 9-3J21	9,750	8,210	14,110	(2) 11	49.2	2.2	132.3	1402	2235	300	12,720	495	2121	1530	3651
eco-ATWE 9-3K21	9,800	8,270	14,160	(2) 15	53.3	2.2	132.3	1402	2235	300	12,780	495	2121	1530	3651
eco-ATWE 9-4H21	11,390	9,860	16,200	(2) 5.5	38.2	2.2	132.3	1851	2235	300	14,820	686	2311	1530	3842
eco-ATWE 9-4I21	11,410	9,870	16,220	(2) 7.5	42.1	2.2	132.3	1851	2235	300	14,830	686	2311	1530	3842
eco-ATWE 9-4J21	11,520	9,990	16,330	(2) 11	47.7	2.2	132.3	1851	2235	300	14,950	686	2311	1530	3842
eco-ATWE 9-4K21	11,580	10,040	16,380	(2) 15	51.7	2.2	132.3	1851	2235	300	15,000	686	2311	1530	3842
eco-ATWE 9-5I21	13,140	11,600	18,390	(2) 7.5	40.8	2.2	132.3	2300	2235	300	17,010	876	2502	1530	4032
eco-ATWE 9-5J21	13,250	11,710	18,510	(2) 11	46.3	2.2	132.3	2300	2235	300	17,120	876	2502	1530	4032
eco-ATWE 9-5K21	13,300	11,770	18,560	(2) 15	50.2	2.2	132.3	2300	2235	300	17,180	876	2502	1530	4032
eco-ATWE 9-5L21	13,330	11,800	18,590	(2) 18.5	53.4	2.2	132.3	2300	2235	300	17,200	876	2502	1530	4032
eco-ATWE 9-6J21	15,050	13,520	20,760	(2) 11	44.9	2.2	132.3	2749	2235	300	19,370	1067	2692	1530	4223
eco-ATWE 9-6K21	15,100	13,570	20,810	(2) 15	48.6	2.2	132.3	2749	2235	300	19,430	1067	2692	1530	4223
eco-ATWE 9-6L21	15,130	13,600	20,840	(2) 18.5	51.8	2.2	132.3	2749	2235	300	19,450	1067	2692	1530	4223

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

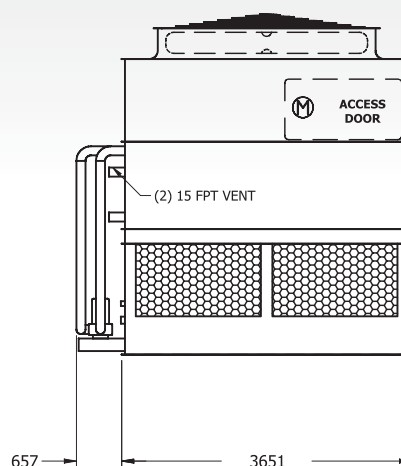
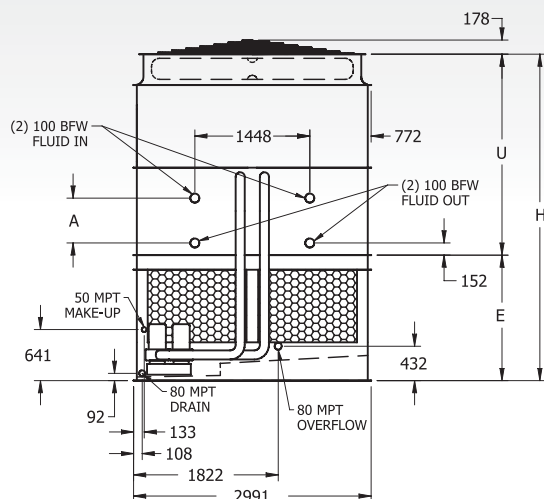
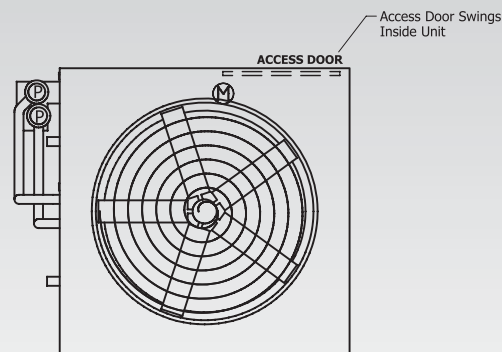
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 10-3I12 to 10-6M12



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3mx3.6m (eco-ATWE 10x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 10-3I12	6,790	5,560	10,200	7.5	26.2	1.5	86.3	959	1590	300	8,550	565	2530	1581	4112
eco-ATWE 10-3J12	6,850	5,620	10,260	11	30.0	1.5	86.3	959	1590	300	8,610	565	2530	1581	4112
eco-ATWE 10-3K12	6,880	5,640	10,290	15	32.7	1.5	86.3	959	1590	300	8,640	565	2530	1581	4112
eco-ATWE 10-3L12	6,890	5,660	10,300	18.5	34.8	1.5	86.3	959	1590	300	8,650	565	2530	1581	4112
eco-ATWE 10-3M12	6,920	5,680	10,320	22	36.6	1.5	86.3	959	1590	300	8,680	565	2530	1581	4112
eco-ATWE 10-4I12	7,990	6,750	11,690	7.5	25.4	1.5	86.3	1258	1590	300	10,040	781	2746	1581	4328
eco-ATWE 10-4J12	8,040	6,810	11,750	11	29.1	1.5	86.3	1258	1590	300	10,100	781	2746	1581	4328
eco-ATWE 10-4K12	8,070	6,830	11,780	15	31.7	1.5	86.3	1258	1590	300	10,130	781	2746	1581	4328
eco-ATWE 10-4L12	8,080	6,850	11,790	18.5	33.8	1.5	86.3	1258	1590	300	10,140	781	2746	1581	4328
eco-ATWE 10-4M12	8,110	6,870	11,810	22	35.5	1.5	86.3	1258	1590	300	10,170	781	2746	1581	4328
eco-ATWE 10-5I12	9,130	7,890	13,130	7.5	24.6	1.5	86.3	1557	1590	300	11,490	997	2962	1581	4543
eco-ATWE 10-5J12	9,190	7,950	13,190	11	28.2	1.5	86.3	1557	1590	300	11,550	997	2962	1581	4543
eco-ATWE 10-5K12	9,210	7,980	13,220	15	30.8	1.5	86.3	1557	1590	300	11,570	997	2962	1581	4543
eco-ATWE 10-5L12	9,230	7,990	13,230	18.5	32.8	1.5	86.3	1557	1590	300	11,590	997	2962	1581	4543
eco-ATWE 10-5M12	9,250	8,010	13,260	22	34.5	1.5	86.3	1557	1590	300	11,610	997	2962	1581	4543
eco-ATWE 10-6I12	10,340	9,100	14,640	7.5	23.9	1.5	86.3	1855	1590	300	12,990	1213	3178	1581	4759
eco-ATWE 10-6J12	10,400	9,160	14,700	11	27.3	1.5	86.3	1855	1590	300	13,050	1213	3178	1581	4759
eco-ATWE 10-6K12	10,420	9,190	14,720	15	29.8	1.5	86.3	1855	1590	300	13,080	1213	3178	1581	4759
eco-ATWE 10-6L12	10,440	9,200	14,740	18.5	31.7	1.5	86.3	1855	1590	300	13,090	1213	3178	1581	4759
eco-ATWE 10-6M12	10,460	9,220	14,760	22	33.4	1.5	86.3	1855	1590	300	13,110	1213	3178	1581	4759

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

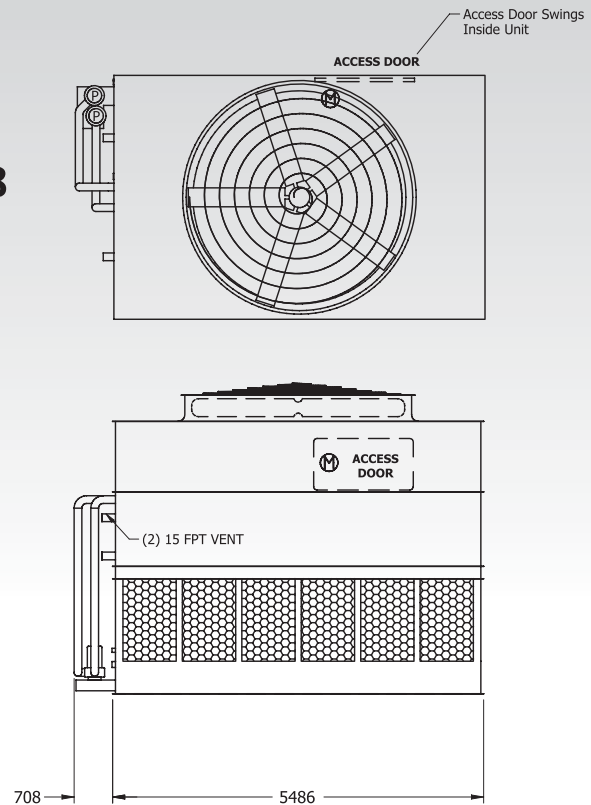
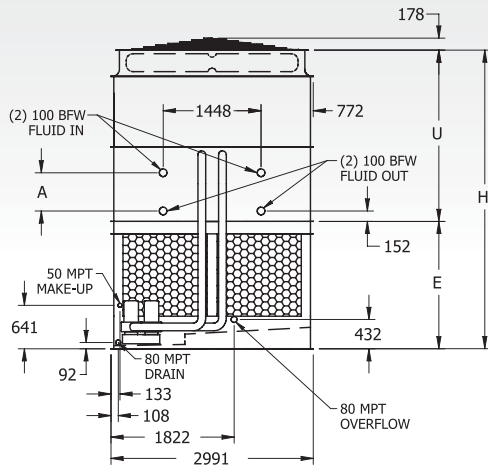
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 10-3I18 to 10-6N18



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3mx5.4m (eco-ATWE 10x18) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 10-3I18	9,760	7,980	14,870	7.5	34.4	2.2	129.8	1417	2385	300	12,450	565	2530	1581	4112
eco-ATWE 10-3J18	9,810	8,040	14,930	11	39.3	2.2	129.8	1417	2385	300	12,500	565	2530	1581	4112
eco-ATWE 10-3K18	9,840	8,060	14,960	15	43.3	2.2	129.8	1417	2385	300	12,530	565	2530	1581	4112
eco-ATWE 10-3L18	9,860	8,080	14,970	18.5	46.6	2.2	129.8	1417	2385	300	12,550	565	2530	1581	4112
eco-ATWE 10-3M18	9,880	8,100	15,000	22	49.1	2.2	129.8	1417	2385	300	12,570	565	2530	1581	4112
eco-ATWE 10-3N18	9,950	8,170	15,070	30	53.2	2.2	129.8	1417	2385	300	12,640	565	2530	1581	4112
eco-ATWE 10-4I18	11,540	9,760	17,100	7.5	33.4	2.2	129.8	1868	2385	300	14,680	781	2746	1581	4328
eco-ATWE 10-4J18	11,600	9,820	17,160	11	38.2	2.2	129.8	1868	2385	300	14,740	781	2746	1581	4328
eco-ATWE 10-4K18	11,620	9,840	17,190	15	42.0	2.2	129.8	1868	2385	300	14,760	781	2746	1581	4328
eco-ATWE 10-4L18	11,640	9,860	17,200	18.5	45.3	2.2	129.8	1868	2385	300	14,780	781	2746	1581	4328
eco-ATWE 10-4M18	11,660	9,880	17,230	22	47.7	2.2	129.8	1868	2385	300	14,800	781	2746	1581	4328
eco-ATWE 10-4N18	11,730	9,950	17,300	30	51.7	2.2	129.8	1868	2385	300	14,870	781	2746	1581	4328
eco-ATWE 10-5I18	13,270	11,490	19,290	7.5	32.4	2.2	129.8	2320	2385	300	16,870	997	2962	1581	4543
eco-ATWE 10-5J18	13,330	11,550	19,350	11	37.1	2.2	129.8	2320	2385	300	16,930	997	2962	1581	4543
eco-ATWE 10-5K18	13,360	11,580	19,380	15	40.8	2.2	129.8	2320	2385	300	16,950	997	2962	1581	4543
eco-ATWE 10-5L18	13,370	11,590	19,390	18.5	43.9	2.2	129.8	2320	2385	300	16,970	997	2962	1581	4543
eco-ATWE 10-5M18	13,400	11,620	19,420	22	46.3	2.2	129.8	2320	2385	300	16,990	997	2962	1581	4543
eco-ATWE 10-5N18	13,470	11,690	19,490	30	50.1	2.2	129.8	2320	2385	300	17,060	997	2962	1581	4543
eco-ATWE 10-6I18	15,080	13,300	21,550	7.5	31.4	2.2	129.8	2771	2385	300	19,120	1213	3178	1581	4759
eco-ATWE 10-6J18	15,140	13,360	21,610	11	35.9	2.2	129.8	2771	2385	300	19,180	1213	3178	1581	4759
eco-ATWE 10-6K18	15,170	13,390	21,640	15	39.5	2.2	129.8	2771	2385	300	19,210	1213	3178	1581	4759
eco-ATWE 10-6L18	15,180	13,400	21,650	18.5	42.6	2.2	129.8	2771	2385	300	19,220	1213	3178	1581	4759
eco-ATWE 10-6M18	15,200	13,430	21,670	22	44.8	2.2	129.8	2771	2385	300	19,250	1213	3178	1581	4759
eco-ATWE 10-6N18	15,280	13,500	21,750	30	48.6	2.2	129.8	2771	2385	300	19,320	1213	3178	1581	4759

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

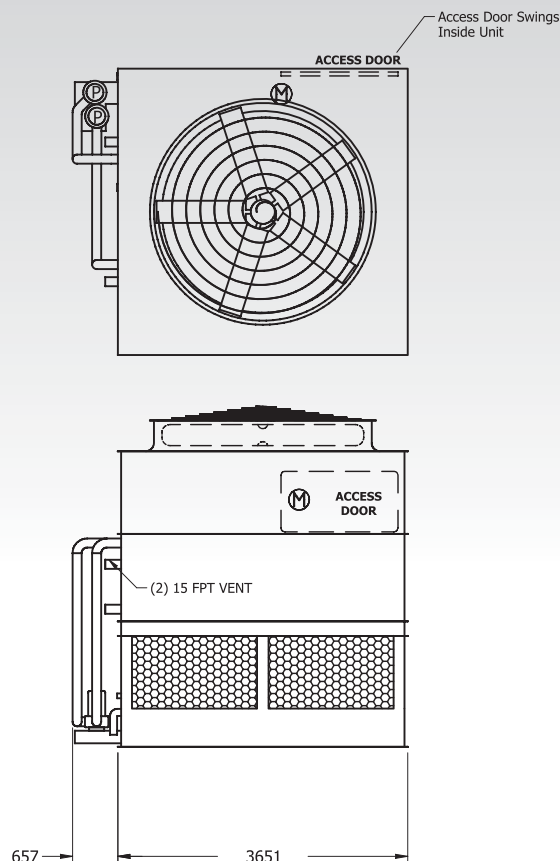
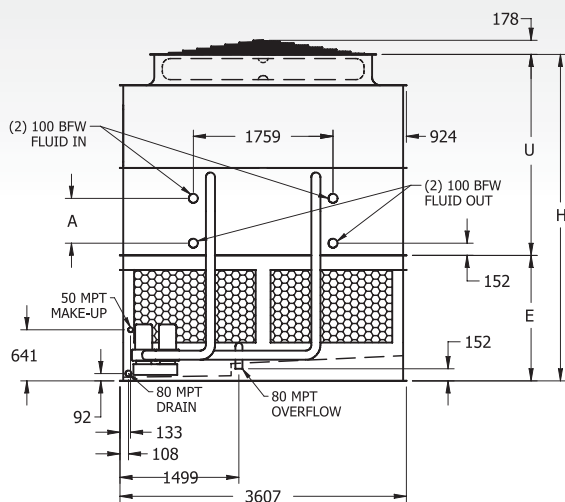
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 12-3J12 to 12-6N12



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx3.6m (eco-ATWE 12x12) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 12-3J12	7,900	6,590	11,810	11	34.1	1.5	100.8	1179	1855	300	9,990	565	2530	1581	4112
eco-ATWE 12-3K12	7,930	6,620	11,840	15	37.5	1.5	100.8	1179	1855	300	10,020	565	2530	1581	4112
eco-ATWE 12-3L12	7,940	6,630	11,850	18.5	40.0	1.5	100.8	1179	1855	300	10,030	565	2530	1581	4112
eco-ATWE 12-3M12	7,960	6,660	11,870	22	42.1	1.5	100.8	1179	1855	300	10,060	565	2530	1581	4112
eco-ATWE 12-4J12	9,370	8,060	13,650	11	33.1	1.5	100.8	1548	1855	300	11,830	781	2746	1581	4328
eco-ATWE 12-4K12	9,390	8,080	13,680	15	36.4	1.5	100.8	1548	1855	300	11,860	781	2746	1581	4328
eco-ATWE 12-4L12	9,410	8,100	13,690	18.5	38.8	1.5	100.8	1548	1855	300	11,870	781	2746	1581	4328
eco-ATWE 12-4M12	9,430	8,120	13,710	22	40.8	1.5	100.8	1548	1855	300	11,890	781	2746	1581	4328
eco-ATWE 12-4N12	9,500	8,190	13,780	30	44.3	1.5	100.8	1548	1855	300	11,960	781	2746	1581	4328
eco-ATWE 12-5K12	10,780	9,480	15,430	15	35.3	1.5	100.8	1917	1855	300	13,620	997	2962	1581	4543
eco-ATWE 12-5L12	10,800	9,490	15,450	18.5	37.6	1.5	100.8	1917	1855	300	13,630	997	2962	1581	4543
eco-ATWE 12-5M12	10,820	9,510	15,470	22	39.6	1.5	100.8	1917	1855	300	13,650	997	2962	1581	4543
eco-ATWE 12-5N12	10,890	9,580	15,540	30	42.9	1.5	100.8	1917	1855	300	13,720	997	2962	1581	4543
eco-ATWE 12-6L12	12,270	10,960	17,290	18.5	36.5	1.5	100.8	2286	1855	300	15,470	1213	3178	1581	4759
eco-ATWE 12-6M12	12,290	10,990	17,310	22	38.4	1.5	100.8	2286	1855	300	15,490	1213	3178	1581	4759
eco-ATWE 12-6N12	12,370	11,060	17,380	30	41.6	1.5	100.8	2286	1855	300	15,570	1213	3178	1581	4759

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

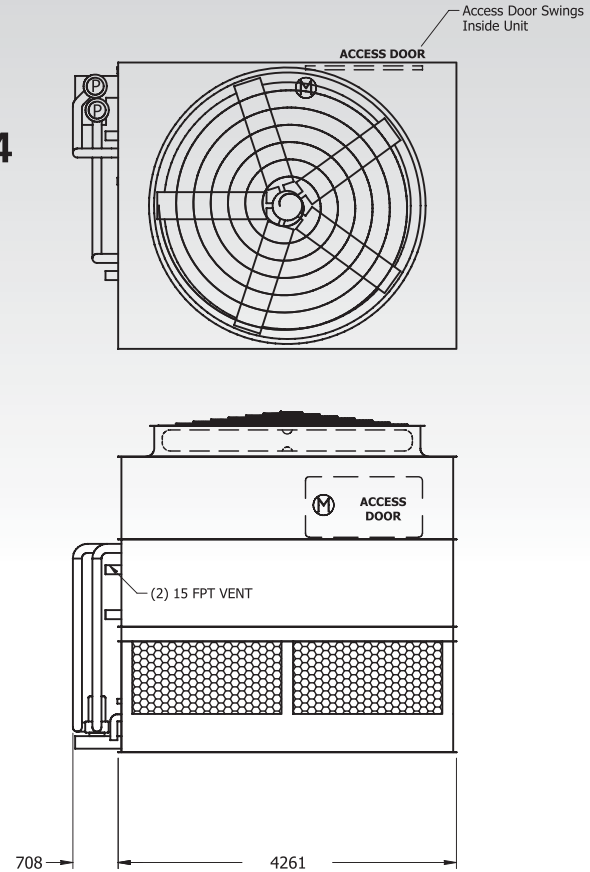
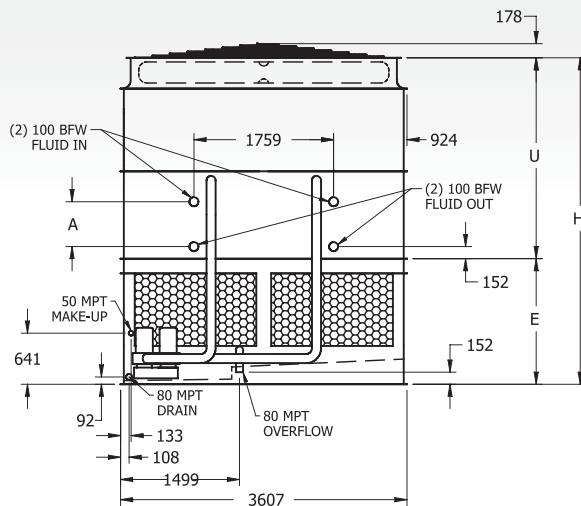
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 12-3K14 to 12-6N14



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx4.2m (eco-ATWE 12x14) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump [△]			Dimensions (mm) [▲]			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 12-3K14	9,040	7,530	13,630	15	41.6	2.2	113.4	1368	2160	300	11,500	565	2530	1734	4264
eco-ATWE 12-3L14	9,060	7,540	13,650	18.5	44.7	2.2	113.4	1368	2160	300	11,510	565	2530	1734	4264
eco-ATWE 12-3M14	9,080	7,570	13,670	22	47.0	2.2	113.4	1368	2160	300	11,530	565	2530	1734	4264
eco-ATWE 12-3N14	9,150	7,640	13,740	30	51.0	2.2	113.4	1368	2160	300	11,610	565	2530	1734	4264
eco-ATWE 12-4K14	10,750	9,240	15,770	15	40.4	2.2	113.4	1799	2160	300	13,640	781	2746	1734	4480
eco-ATWE 12-4L14	10,770	9,250	15,790	18.5	43.4	2.2	113.4	1799	2160	300	13,650	781	2746	1734	4480
eco-ATWE 12-4M14	10,790	9,270	15,810	22	45.6	2.2	113.4	1799	2160	300	13,670	781	2746	1734	4480
eco-ATWE 12-4N14	10,860	9,350	15,880	30	49.5	2.2	113.4	1799	2160	300	13,750	781	2746	1734	4480
eco-ATWE 12-5L14	12,370	10,860	17,820	18.5	42.1	2.2	113.4	2231	2160	300	15,680	997	2962	1734	4696
eco-ATWE 12-5M14	12,390	10,880	17,840	22	44.3	2.2	113.4	2231	2160	300	15,710	997	2962	1734	4696
eco-ATWE 12-5N14	12,460	10,950	17,920	30	48.0	2.2	113.4	2231	2160	300	15,780	997	2962	1734	4696
eco-ATWE 12-6L14	14,220	12,710	20,100	18.5	40.8	2.2	113.4	2662	2160	300	17,970	1213	3178	1734	4912
eco-ATWE 12-6M14	14,240	12,730	20,130	22	42.9	2.2	113.4	2662	2160	300	17,990	1213	3178	1734	4912
eco-ATWE 12-6N14	14,320	12,800	20,200	30	46.5	2.2	113.4	2662	2160	300	18,060	1213	3178	1734	4912

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

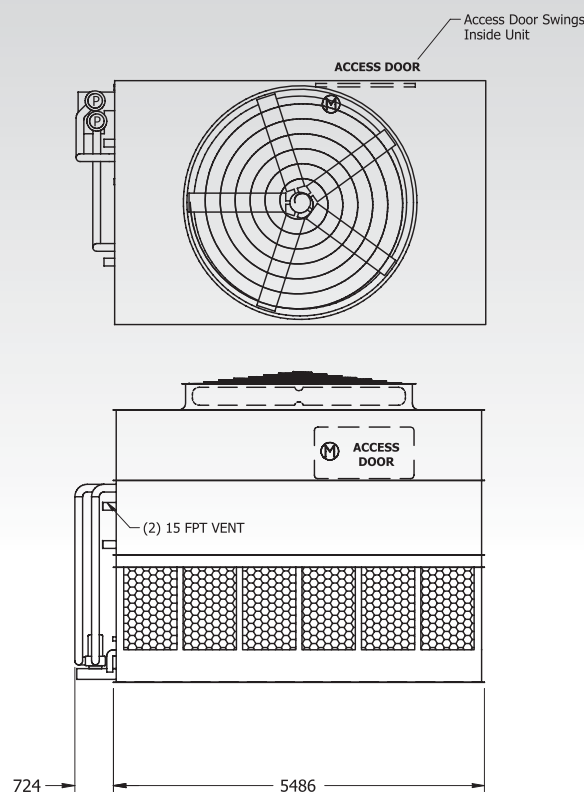
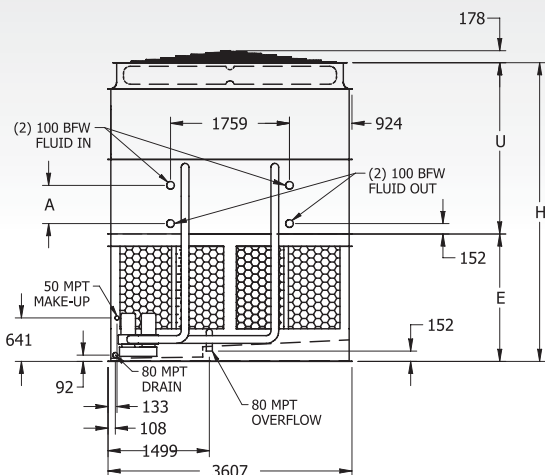
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 12-3K18 to 12-6P18



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx5.4m (eco-ATWE 12x18) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 12-3K18	11,410	9,440	17,280	15	50.8	4	151.2	1744	2725	300	14,510	565	2530	1886	4416
eco-ATWE 12-3L18	11,430	9,460	17,300	18.5	54.7	4	151.2	1744	2725	300	14,520	565	2530	1886	4416
eco-ATWE 12-3M18	11,450	9,480	17,320	22	58.1	4	151.2	1744	2725	300	14,540	565	2530	1886	4416
eco-ATWE 12-3N18	11,520	9,550	17,390	30	63.1	4	151.2	1744	2725	300	14,620	565	2530	1886	4416
eco-ATWE 12-4K18	13,600	11,630	20,030	15	49.3	4	151.2	2302	2725	300	17,250	781	2746	1886	4632
eco-ATWE 12-4L18	13,610	11,640	20,040	18.5	53.1	4	151.2	2302	2725	300	17,260	781	2746	1886	4632
eco-ATWE 12-4M18	13,640	11,670	20,060	22	56.4	4	151.2	2302	2725	300	17,290	781	2746	1886	4632
eco-ATWE 12-4N18	13,710	11,740	20,140	30	61.2	4	151.2	2302	2725	300	17,360	781	2746	1886	4632
eco-ATWE 12-4O18	13,710	11,740	20,140	37	65.2	4	151.2	2302	2725	300	17,360	781	2746	1886	4632
eco-ATWE 12-5L18	15,730	13,760	22,710	18.5	51.5	4	151.2	2859	2725	300	19,930	997	2962	1886	4848
eco-ATWE 12-5M18	15,750	13,780	22,730	22	54.7	4	151.2	2859	2725	300	19,950	997	2962	1886	4848
eco-ATWE 12-5N18	15,820	13,850	22,800	30	59.4	4	151.2	2859	2725	300	20,030	997	2962	1886	4848
eco-ATWE 12-5O18	15,830	13,860	22,810	37	63.2	4	151.2	2859	2725	300	20,030	997	2962	1886	4848
eco-ATWE 12-6M18	17,880	15,910	25,420	22	53.0	4	151.2	3416	2725	300	22,650	1213	3178	1886	5064
eco-ATWE 12-6N18	17,960	15,990	25,500	30	57.6	4	151.2	3416	2725	300	22,720	1213	3178	1886	5064
eco-ATWE 12-6O18	17,960	15,990	25,500	37	61.3	4	151.2	3416	2725	300	22,720	1213	3178	1886	5064
eco-ATWE 12-6P18	18,050	16,080	25,590	45	64.5	4	151.2	3416	2725	300	22,810	1213	3178	1886	5064

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

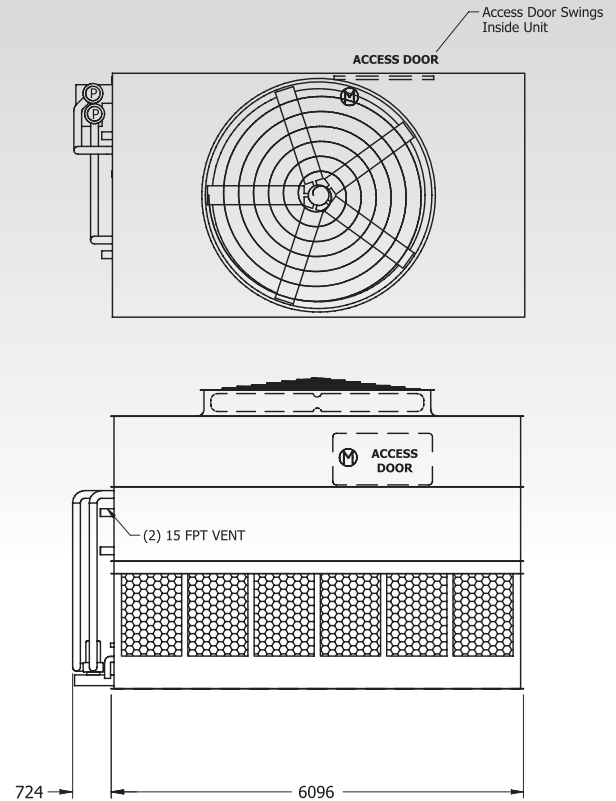
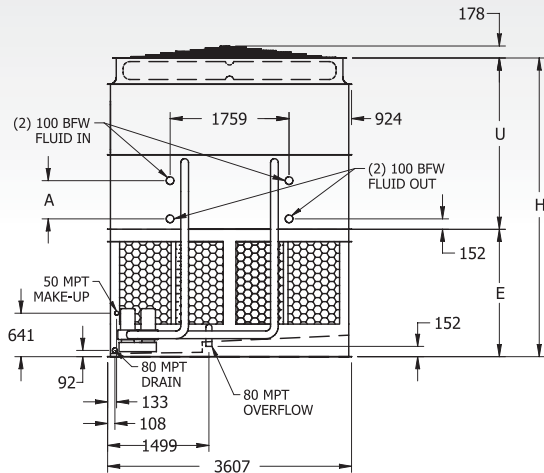
△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

eco-ATWE

Engineering Data & Dimensions

eco-ATWE Models 12-3L20 to 12-6P20



Note: The number of coil connections doubles when the flow rate exceeds 56 l/s on 3.6mx6m (eco-ATWE 12x20) models. This required option is referred to as the High Flow coil configuration.

eco-ATWE Model Number†	Weights (kg)			Fans		Spray Pump		Coil Volume (Liters)	Remote Sump △			Dimensions (mm) ▲			
	Shipping	Heaviest Section††	Operating	kW	m³/s	kW	l/s		Liters* Required	Conn. Size (mm)	Operating Weight (kg)	Coil A	Upper U	Lower E	Height H
eco-ATWE 12-3L20	12,520	10,360	19,080	18.5	58.7	4	176.4	1933	3030	350	16,020	565	2530	1886	4416
eco-ATWE 12-3M20	12,540	10,390	19,100	22	62.4	4	176.4	1933	3030	350	16,040	565	2530	1886	4416
eco-ATWE 12-3N20	12,610	10,460	19,170	30	68.1	4	176.4	1933	3030	350	16,120	565	2530	1886	4416
eco-ATWE 12-3O20	12,620	10,460	19,180	37	72.4	4	176.4	1933	3030	350	16,120	565	2530	1886	4416
eco-ATWE 12-4L20	14,920	12,770	22,110	18.5	57.0	4	176.4	2553	3030	350	19,050	781	2746	1886	4632
eco-ATWE 12-4M20	14,940	12,790	22,130	22	60.5	4	176.4	2553	3030	350	19,070	781	2746	1886	4632
eco-ATWE 12-4N20	15,020	12,870	22,200	30	66.1	4	176.4	2553	3030	350	19,140	781	2746	1886	4632
eco-ATWE 12-4O20	15,020	12,870	22,210	37	70.3	4	176.4	2553	3030	350	19,150	781	2746	1886	4632
eco-ATWE 12-5M20	17,300	15,140	25,100	22	58.7	4	176.4	3173	3030	350	22,050	997	2962	1886	4848
eco-ATWE 12-5N20	17,370	15,220	25,170	30	64.1	4	176.4	3173	3030	350	22,120	997	2962	1886	4848
eco-ATWE 12-5O20	17,370	15,220	25,180	37	68.2	4	176.4	3173	3030	350	22,120	997	2962	1886	4848
eco-ATWE 12-5P20	17,460	15,310	25,270	45	71.8	4	176.4	3173	3030	350	22,210	997	2962	1886	4848
eco-ATWE 12-6N20	19,960	17,810	28,380	30	62.1	4	176.4	3792	3030	350	25,330	1213	3178	1886	5064
eco-ATWE 12-6O20	19,960	17,810	28,390	37	66.1	4	176.4	3792	3030	350	25,330	1213	3178	1886	5064
eco-ATWE 12-6P20	20,060	17,900	28,480	45	69.6	4	176.4	3792	3030	350	25,420	1213	3178	1886	5064

† Model Numbers end in "-Z" for units with Series Flow piping configuration. Series Flow units may require additional coil connections and will require crossover piping.

†† Heaviest section is the coil/fan section.

* Liters shown is water in suspension in unit and piping. Allow for additional water in bottom of remote sump to cover pump suction and strainer during operation (300mm would normally be sufficient).

△ When a remote sump arrangement is selected, the spray pump, suction strainer and associated piping are omitted; the unit is provided with an oversized outlet to facilitate drainage to the remote sump.

▲ Unit dimensions and coil connections may vary slightly from catalog. See factory certified prints for dimensions, quantity of coil connections, and piping configuration. Coil connections are 100mm bevel for weld (BFW). Other connection types such as grooved for mechanical coupling or flanged are also available as options.

STEEL SUPPORT

eco-Coolers

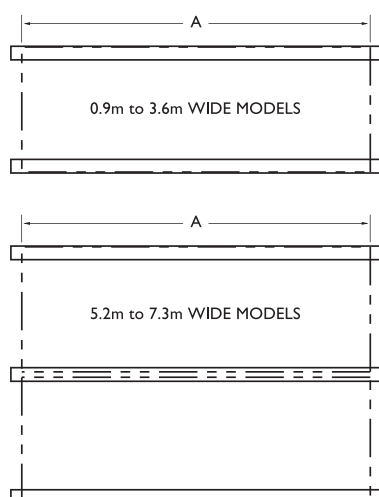
Recommended Steel Support

The recommended support for EVAPCO Closed Circuit Coolers 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, 19mm in diameter are located in the bottom flanges of the pan section to provide for bolting to the structural steel. (Refer to certified drawings from the factory for bolt hole locations.)

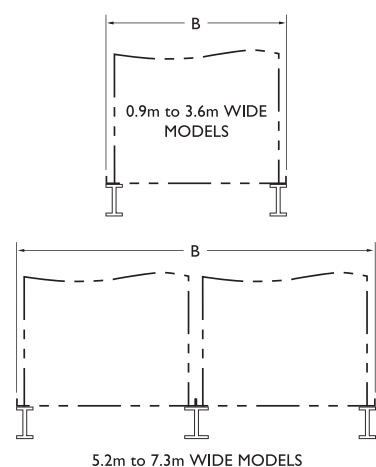
Beams should be level before setting the unit in place. Do not level the unit by shimming between the unit and the structural steel. Dimensions, weights, and data are subject to change without notice. Refer to the factory certified drawings for exact dimensions.

NOTE: Consult IBC 2006 for required steel support layout and structural design.

Plan Views



End Elevations



ATWB SUPPORTING STEEL DIMENSIONS

0.9m Wide Models	A	B
eco-ATW 3x3	908	927
1.2m Wide Models	A	B
eco-ATW 4x4	1213	1232
eco-ATW 4x6	1823	1232
eco-ATW 4x9	2737	1232
eco-ATW 4x12	3651	1232
2.5m Wide Models	A	B
†eco-ATW 9x8	2578	2283
†eco-ATW 9x9	2731	2578
†eco-ATW 9x11	3188	2578
†eco-ATW 9x12	3651	2578
†eco-ATW 9x14	4261	2578
†eco-ATW 9x18	5486	2578
†eco-ATW 9x21	6401	2578
3m Wide Models	A	B
†eco-ATW 10x12	3651	2991
†eco-ATW 10x18	5486	2991
eco-ATW 10x24	7366	2991
eco-ATW 10x36	11036	2991
3.6m Wide Models	A	B
†eco-ATW 12x12	3651	3607
†eco-ATW 12x14	4261	3607
†eco-ATW 12x18	5486	3607
†eco-ATW 12x20	6096	3607
eco-ATW 12x24	7366	3607
eco-ATW 12x28	8585	3607
eco-ATW 12x36	11036	3607
eco-ATW 12x40	12256	3607
5.2m Wide Models	A	B
eco-ATW 17x12	3651	5286
eco-ATW 17x14	4261	5286
6.1m Wide Models	A	B
eco-ATW 20x12	3651	6112
eco-ATW 20x18	5486	6112
eco-ATW 20x24	7366	6112
eco-ATW 20x36	11036	6112
7.3m Wide Models	A	B
eco-ATW 24x12	3651	7344
eco-ATW 24x14	4261	7344
eco-ATW 24x18	5486	7344
eco-ATW 24x20	6096	7344
eco-ATW 24x24	7366	7344
eco-ATW 24x28	8585	7344
eco-ATW 24x36	11036	7344
eco-ATW 24x40	12256	7344

†Also has eco-ATWE model

eco-Coolers APPLICATIONS

Design

EVAPCO units are of heavy-duty construction and designed for long trouble-free operation. Proper equipment selection, installation and maintenance is, however, necessary to ensure full unit performance. Some of the major considerations in the application of a cooler are presented below. For additional information, contact the factory.

Air Circulation

It is important that proper air circulation be provided. The best location is on an unobstructed roof top or on ground level away from walls and other barriers. Those closed circuit coolers located in wells, enclosures or adjacent to high walls must be properly located to avoid the problems associated with recirculation.

Recirculation raises the wet bulb temperature of the entering air causing the water temperature to rise above the design. For these cases, the discharge of the fan should be located at a height even with the adjacent wall, thereby reducing the chance of recirculation. For additional information, see the EVAPCO Equipment Layout Manual.

Good engineering practice dictates that the closed circuit cooler discharge air not be directed or located close to or in the vicinity of building air intakes.

Piping

Cooler piping should be designed and installed in accordance with generally accepted engineering practices. The piping layout should be symmetrical on multiple unit systems, and sized for a reasonably low water velocity and pressure drop.

The standard closed circuit cooler is recommended only on a closed, pressurized system. The piping system should include an expansion tank to allow for fluid expansion and purging air from the system.

Note: Closed Circuit Coolers should never be used on an open type system. An open type system with a cooler may result in premature coil failure.

The piping system should be designed to permit complete drainage of the heat exchanger coil. This will require a vacuum breaker or air vent to be installed at the high point and a drain valve installed at the low point of the piping system. Both must be adequately sized.

All piping should be securely anchored by properly designed hangers and supports. No external loads should be placed upon the cooler connections, nor should any of the pipe supports be anchored to the cooler framework.

Recirculating Water Quality

Proper water treatment is an essential part of the maintenance required for 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.

Bleed off

Evaporative cooling equipment requires a bleed or blowdown line, located on the discharge side of the recirculating pump, to remove concentrated (cycled up) water from the system. Evapco recommends an automated conductivity controller to maximize

the water efficiency of your system. Based on recommendations from your water treatment company, the conductivity controller should open and close a motorized ball or solenoid valve to maintain the conductivity of the recirculating water. If a manual valve is used to control the rate of bleed it should be set to maintain the conductivity of the recirculating water during periods of peak load at the maximum level recommended by your water treatment company.

Water Treatment

The water treatment program prescribed for the given conditions must be compatible with the unit's materials of construction, including any galvanized components. The initial commissioning and passivation period is a critical time for maximizing the service life of galvanized equipment. Evapco recommends that the site specific water treatment protocol includes a passivation procedure which details water chemistry, any necessary chemical addition, and visual inspections during the first six (6) to twelve (12) weeks of operation. During this passivation period, recirculating water pH should be maintained above 7.0 and below 8.0 at all times. Batch feeding of chemicals is not recommended.

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 cause Legionnaires' disease. Your site specific water treatment protocol should include procedures for routine operation, startup after a shut-down period, and system lay-up, if applicable. If excessive microbiological contamination is detected, a more aggressive mechanical cleaning and/or water treatment program should be undertaken.

Freeze Protection

If the units are installed in a cold climate and operated year-round, freeze protection must be provided for the heat exchanger coil in the unit as well as for the recirculating water system.

Recirculating Water System

The surest way to protect the recirculating water system from freezing is with a remote sump. The remote sump should be located inside the building and below the unit. When a remote sump arrangement is selected, the spray pump is provided by others and installed at the remote sump. All water in the closed circuit cooler basin should drain to the remote sump when the spray pump cycles off.

Other freeze protection methods are available when a remote sump is not feasible. Electric pan heaters or steam or hot water coils can be used to keep the pan water from freezing when the unit cycles off. Water lines to and from the unit, spray pump and related piping should be heat traced and insulated up to the overflow level in order to protect from freezing.

The unit should not be operated dry (fans on, pump off) unless the basin is completely drained and the unit has been designed for dry operation. Consult the factory when dry operation is a requirement.

APPLICATIONS

eco-Coolers

Heat Exchanger Coil

The simplest and most foolproof method of protecting the heat exchanger coil from freeze-up is to use a glycol solution. If this is not possible, an auxiliary heat load must be maintained on the coil at all times so that the water temperature does not drop below 10°C when the cooler is shut down. Also, a minimum recommended flow rate per unit must be maintained.

Minimum Flows	Standard Flow lps	Series Flow lps
0.9m Wide Models		
eco-ATW 3x3	–	1.7
1.2m Wide Models		
eco-ATW 4x4 to 4x12	–	2.4
2.5m Wide Models		
†eco-ATW 9x8 to 9x21	10.1	5.1
3m Wide Models		
†eco-ATW 10x12 to 10x18	11.9	6.0
eco-ATW 10x24 to 10x36	23.8	11.9
3.6m Wide Models		
†eco-ATW 12x12 to 12x20	14.7	7.4
eco-ATW 12x24 to 12x40	29.3	14.7
5.2m Wide Models		
eco-ATW 17x12 to 17x14	20.2	10.1
6.1m Wide Models		
eco-ATW 20x12 to 20x18	23.8	11.9
ATWB 20x24 to 20x36	47.5	23.8
7.3m Wide Models		
eco-ATW 24x12 to 24x20	29.3	14.7
eco-ATW 24x24 to 24x40	58.6	29.3

†Also has eco-ATWE model

Discharge Hoods with Positive Closure Dampers

When a closed circuit cooler is used in a water-to-air heat pump system or in certain process cooling applications, a method of reducing the heat loss during idle periods of wintertime operation may be required. For these cases, an optional discharge hood with positive closure dampers and damper actuator is available.

The discharge hood with dampers is designed to minimize the heat loss from convective airflow through an idle cooler. Further reductions in heat loss may be obtained with the addition of insulation to the hood and casing, minimizing conductive heat losses. Insulation may be factory installed on the hood and casing or field installed by an insulation contractor.

The discharge hood and dampers are constructed of hot-dip galvanized steel. Hoods are equipped with access panels to facilitate maintenance of the eliminators and water distribution system. The dampers, damper actuator and linkage are all factory assembled. Actuator controls and wiring are field supplied by others. Damper actuators require 120 volt power supply.

The system control sequence should allow for dampers to be fully open before the fans are running and closed when the fans are off; the damper actuator must be interlocked with the temperature control system for this purpose.

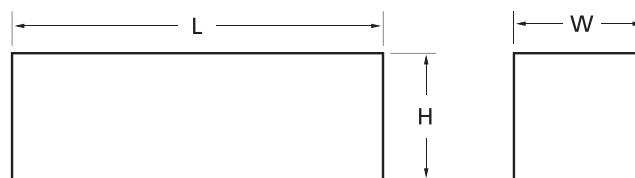
Heat loss data is provided for standard units without hoods, with hoods and with hoods and insulation. Table ratings are based on 10°C water in the coil, -23°C ambient and 70km/hr winds (fan and pump off).

Discharge Hood Dimensions

Model	L (mm)	H* (mm)	W (mm)	Weight (kg)	Number of Hoods
eco-ATW 3x3	911	457	921	418	1
eco-ATW 4x4	1216	457	1226	556	1
eco-ATW 4x6	1826	457	1226	556	1
eco-ATW 4x9	2731	457	1226	556	1
eco-ATW 4x12	3651	457	1226	556	1
†eco-ATW 9x8	2283	406	2578	1169	1
†eco-ATW 9x9	2727	406	2578	1169	1
†eco-ATW 9x11					
†eco-ATW 9x12	3188	406	2578	1169	1
†eco-ATW 9x14					
†eco-ATW 9x18	2731	406	2578	1169	2
†eco-ATW 9x21	3188	406	2578	1169	2
eco-ATW 17x12	3188	406	2578	1169	2
eco-ATW 17x14					
†eco-ATW 10x12	3648	356	3105	1408	1
†eco-ATW 10x18					
eco-ATW 10x24					
eco-ATW 10x36	3648	356	3105	1408	2
eco-ATW 20x12					
eco-ATW 20x18					
eco-ATW 20x24	3648	356	3105	1408	4
eco-ATW 20x36					
†eco-ATW 12x12					
†eco-ATW 12x14	3651	356	3607	1636	1
†eco-ATW 12x18					
†eco-ATW 12x20					
eco-ATW 12x24					
eco-ATW 12x28	3651	356	3607	1636	2
eco-ATW 12x36					
eco-ATW 12x40					
eco-ATW 24x12					
eco-ATW 24x14	3651	356	3607	1636	2
eco-ATW 24x18					
eco-ATW 24x20					
eco-ATW 24x24					
eco-ATW 24x28	3651	356	3607	1636	4
eco-ATW 24x36					
eco-ATW 24x40					

*Overall unit height will be height of the base unit plus the H dimension.

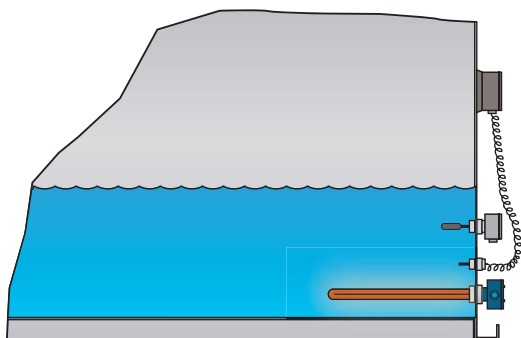
†Also has eco-ATWE model



eco-Coolers APPLICATIONS

Electric Basin Heaters

Electric immersion heaters are available factory-installed in the basin of the cooler. Standard Heaters are sized to maintain a +4°C or +5°C pan water temperature with the fans and pumps off and an ambient air temperature of -18°C. The heater option includes a thermostat and low-water protection device to control the heater and to prevent it from energizing unless they are completely submerged. All components are in weather proof enclosures for outdoor use. The heater power contactors and electric wiring are not included as standard.



eco-ATW Heater Sizes*

Unit No.	-18°C kW	-29°C kW	-40°C kW
eco-ATW 3x3	2	2	3
eco-ATW 4x4	2	3	4
eco-ATW 4x6	3	4	5
eco-ATW 4x9	4	5	7
eco-ATW 4x12	5	7	9
†eco-ATW 9x8	6	8	12
†eco-ATW 9x9	7	10	15
†eco-ATW 9x11	8	12	15
†eco-ATW 9x12	(2) 4	(2) 7	(2) 9
†eco-ATW 9x14	(2) 5	(2) 7	(2) 10
†eco-ATW 9x18	(2) 6	(2) 9	(2) 12
†eco-ATW 9x21	(2) 7	(2) 12	(2) 15
eco-ATW 17x12	(4) 4	(4) 7	(4) 9
eco-ATW 17x14	(4) 5	(4) 7	(4) 10
†eco-ATW 10x12	(2) 5	(2) 8	(2) 10
†eco-ATW 10x18	(2) 7	(2) 12	(2) 15
eco-ATW 10x24	(4) 5	(4) 8	(4) 10
eco-ATW 10x36	(4) 7	(4) 12	(4) 15
eco-ATW 20x12	(4) 5	(4) 8	(4) 10
eco-ATW 20x18	(4) 7	(4) 12	(4) 15
eco-ATW 20x24	(4) 10	(4) 15	(4) 20
eco-ATW 20x36	(4) 15	(6) 15	(6) 20
†eco-ATW 12x12	(2) 6	(2) 9	(2) 12
†eco-ATW 12x14	(2) 7	(2) 10	(2) 15
†eco-ATW 12x18	(2) 9	(2) 15	(2) 18
†eco-ATW 12x20	(2) 10	(2) 15	(3) 15
eco-ATW 12x24	(4) 6	(4) 9	(4) 12
eco-ATW 12x28	(4) 7	(4) 10	(4) 15
eco-ATW 12x36	(4) 9	(4) 15	(4) 18
eco-ATW 12x40	(4) 10	(4) 15	(6) 15
eco-ATW 24x12	(4) 6	(4) 9	(4) 12
eco-ATW 24x14	(4) 7	(4) 10	(4) 15
eco-ATW 24x18	(4) 9	(4) 15	(4) 18
eco-ATW 24x20	(4) 10	(4) 15	(4) 20
eco-ATW 24x24	(4) 12	(4) 18	(6) 15
eco-ATW 24x28	(4) 15	(4) 20	(6) 18
eco-ATW 24x36	(4) 18	(6) 18	(8) 18
eco-ATW 24x40	(4) 20	(6) 20	(8) 20

*Electric heater selection based on ambient air temperature shown.

†Also has eco-ATWE model

APPLICATIONS

eco-Coolers

NOTES



EVAPCO PRODUCTS ARE MANUFACTURED WORLDWIDE



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