



AT/UAT COOLING TOWERS

NEW!

**Eurovent-CTI
CERTIFIED**



ADVANCED **T**ECHNOLOGY IN
INDUCED DRAFT, COUNTERFLOW COOLING TOWERS
139 to 22.128 kW NOMINAL CAPACITY

TECHNOLOGY FOR THE FUTURE... AVAILABLE TODAY!

CERTIFIED EN ISO 9001



PROVIDING EASIER SOLUTIONS AND BETTER CHOICES

The AT/UAT is the result of a tradition of engineering success based on easy maintenance, durable construction and a highly efficient design. The AT/UAT brings marquee features that make the AT/UAT the best choice in cooling towers.

Ultra-AT Cooling Towers *The Ultimate Corrosion Protection*



Stainless Steel AISI 304L and / or 316L

EVAPCO offers the UAT cooling tower with a standard Type 304L stainless steel construction. Since the cold water basin provides the structural support for the unit and is the area most susceptible to corrosion, it is constructed with the highest quality materials. The UAT is the **ONLY** cooling tower in the industry that offers this protection as standard.

The UAT can be upgraded with a Type 316L SS lower section or to a complete Type 316L SS construction.

The chemical compositions of Type 304 and 316 stainless steel are similar. However, there are several differences in their makeup that allow Type 316 SS to have better corrosion resistance than Type 304 SS. Type 316 SS contains molybdenum (304 SS does not) and has a greater percentage of nickel than Type 304 SS. Type 316 SS provides superior corrosion resistance to a wide variety of environments. Also, resistance of stainless steels to pitting and/or crevice corrosion in the presence of chloride or other halide ions is enhanced by molybdenum content.

Type 316L SS material offers the best protection against corrosion. Once again, EVAPCO raises the quality standard in the cooling tower industry with the UAT!

The Ultra-AT is a 100% corrosion resistant cooling tower constructed of stainless steel.

The premium components include:

Type 304L or 316L Stainless Steel: Upper casing and structure • Mechanical equipment support • Fan Cowl
• Cold water basin • Vertical support columns • Air inlet louver frames

PVC: Patented Evapak® Fill • Water distribution system • Air inlet louvers • Drift eliminators



AT/UAT

Technical Support Services

EVAPCO's Website

Log on to EVAPCO's website <http://www.evapco.eu> for expanded product information. Users can download Product Literature, Rigging and Maintenance Instructions from their computer. Users may make Requests for Quotation through the website or by e-mailing EVAPCO at this address:

evapco.europe@evapco.eu

With the **evapSelect™** program, equipment selections, written specifications, unit drawing files and EVAPCO on-line information are readily available from the comfort of your own office!

evapSelect™ is a Web based computer selection program which allows the design engineer to choose EVAPCO models and optimize unit selections. The program allows the engineer to evaluate the equipment's thermal performance, space and energy requirements. Once the model is selected and optional equipment features are inserted, the engineer may output a complete specification **AND** a unit drawing from this program. The software is designed to provide the user with maximum flexibility in analyzing the various selection parameters.

The **evapSelect™** software is available to all consulting engineering offices and contractors after contacting your local EVAPCO sales representative.

Available in 62 Cross Sections and a range of 139 to 22.128 kW Nominal Capacity, the AT/UAT has a model for every application. If there is an application for which the standard catalog product line does not work, EVAPCO will make a cooling tower that will fit your requirement! Consult your local EVAPCO Representative for a cooling tower solution.



EVAPCO Power-Band Drive System

- The AT Cooling Tower features the highly successful, easy maintenance, heavy duty Power-Band Drive System.
- Standard heavy-duty pillow block bearings with a minimum L10 life of 75,000 hours.
- Extended lube lines.
- External motor/belt adjustment.
- Aluminum Alloy Sheaves in moist airstream, Solid-Back Multi-Groove Power-Band Belts and Totally Enclosed motors are standard.

Totally Enclosed Fan Motors

- Motors positioned for external access.
- Assures long life.
- Motor location allows for easy accessibility and serviceability.



NEW! Louver Access Door

- Hinged access panel with quick release mechanism
- Allows easy access to perform routine maintenance and inspection of the makeup assembly, strainer screen and basin
- Available on larger models



NEW! Easy Field Assembly

- A new field assembly seam design which ensures easier assembly and reduced potential for field seam leaks
- Self-guided channels guide the fan casing section into position improving the quality of the field seam
- Eliminates up to 66% of fasteners

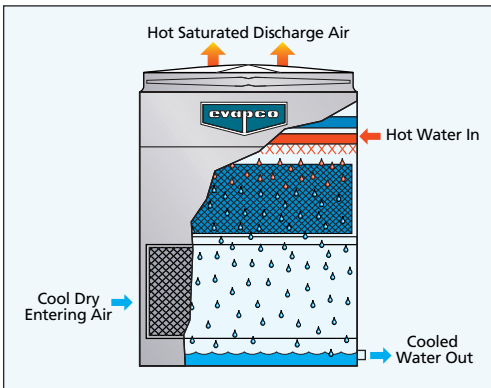
WST Air Inlet Louvers (Water and Sight Tight)

- Easily removable for access.
- Optimized design keeps sunlight out—preventing biological growth.
- Keeps water in while keeping dirt and debris out
- U.S. patent No. 7,927,196



The Advanced Technology Design

The AT/UAT Cooling Tower product line is an Advanced Technology design which utilizes induced draft, counterflow technology—the most efficient in the industry and the best design for operation in a freezing climate. The counterflow design provides the AT/UAT Cooling Tower with inherently better operational and maintenance features. These features are described below.



Principle of Operation, Reduced Air Circulation

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

The vertical air discharge of the AT/UAT design and the distance between the discharge air and fresh air intakes, reduces the chance of air recirculation, since the warm humid air is directed up and away from the unit. For detailed layout information please consult EVAPCO's Equipment Layout Guidelines Bulletin 311.



Patented High Efficient Drift Eliminators

An extremely efficient drift eliminator system is standard on the AT/UAT Cooling Tower. The system removes entrained water droplets from the air stream to limit the drift rate to less than 0.001% of the recirculating water rate.

With a low drift rate, the AT/UAT Cooling Tower rejects less water and water treatment chemicals. The AT/UAT can be located in areas where minimum water carryover is critical, such as parking lots.

The drift eliminators are constructed of an inert polyvinyl chloride (PVC) plastic material which effectively eliminates corrosion of these vital components. They are assembled in sections to facilitate easy removal for inspection of the water distribution system.



Patented EVAPAK® Fill

The EVAPAK® film type fill design used in the AT/UAT Cooling Tower line is specially designed to induce highly turbulent mixing of the air and water for heat transfer. Special drainage tips allow high water loadings without excessive pressure drop. The fill is constructed of inert polyvinyl chloride, (PVC). It will not rot or decay and is formulated to withstand water temperatures of 55°C. The fill also has excellent fire resistant qualities providing a flame spread rating of 5 per ASTM-E84-81a. (The flame spread rating scale ranges from 0 for non-combustible to 100 for highly combustible). Because of the unique way in which the cross-fluted sheets are bonded together, the structural integrity of the fill is greatly enhanced, making the fill usable as a working platform.

A high temperature fill is available for water temperatures exceeding 55°C. Consult your EVAPCO representative for further details.



Superior WST Air Inlet Louver and Screen Design

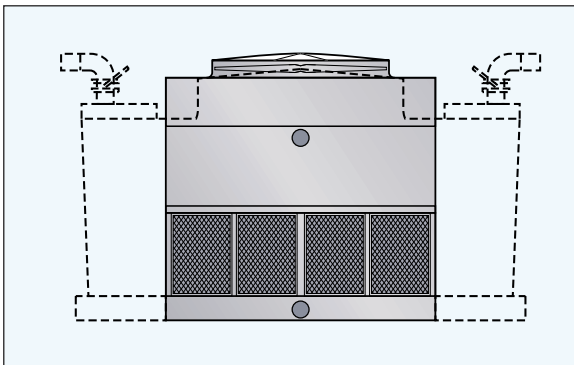
EVAPCO'S WST Inlet Louvers keep water in and sunlight out of the basins of induced draft products. The unique non-planar design is made from light-weight PVC sections which easily fit together and have no loose hardware, enabling easy basin access.

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

The latest WST louver is patented.

DESIGN FEATURES



Reduced Piping Costs

Each cell of the AT/UAT Cooling Tower is furnished with one inlet and one outlet piping connection. This design reduces the amount of external piping and thereby lowers the installed cost of the cooling tower. The water distribution system is pressurized and self balancing. Since field balancing is not required on the AT/UAT, the need for flow balancing valves is eliminated, further reducing the cost of tower installation. The wide orifice nozzles with anti-sludge ring used in the AT/UAT water distribution system helps prevent clogging, reducing the maintenance costs of the water distribution system.

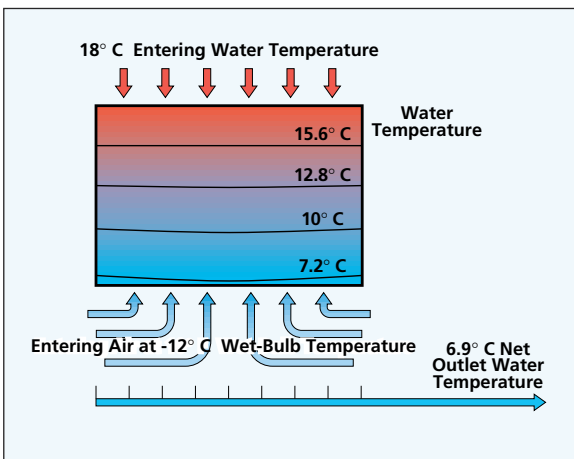


Pressurized Water Distribution System

The water distribution system is made of schedule 40 PVC pipe and ABS plastic water diffusers for corrosion protection in this key area. The piping is easily removable for cleaning. The water diffusers have a large orifice and are practically impossible to clog. In addition, the spray branches have threaded end caps to allow easy debris removal.



All AT/UAT units have as per standard the EvapJet™ Nozzle to ensure that every square meter of heat transfer surface receives complete and even water coverage, resulting in maximum thermal performance.



Optimum Design for Freezing Climates

The counterflow fill design used in the AT/UAT Cooling Tower is well suited for winter operation. The wet deck surface is totally encased, and protected from freezing winds thus inhibiting ice formation on the fill section.

The even temperature gradient of the counterflow fill design makes the AT/UAT Cooling Tower the ideal unit for operation in freezing climates.

The counterflow design of the AT/UAT Cooling Tower fill section reduces the chance of ice formation and with bottom support, eliminates fill collapse should ice form.

MAINTENANCE FEATURES

The Advanced Technology Easy Maintenance Drive System

The EVAPCO POWER-BAND drive system utilized on the AT/UAT Cooling Tower is the *easiest* belt drive system to maintain in the industry. There is no need to stand inside the cold water basin to service the bearings, belts or electrical equipment. In addition, there is no need for fan deck handrails or safety cages, since all periodic maintenance can be safely performed from the side of the AT/UAT. The most important features of this design are listed below.

Models AT / UAT 14-64 through AT / UAT 14-912

Models AT / UAT 19-56 through AT / UAT 38-942

Motor Mount, Power Band Belt Adjustment and Bearing Lubrication



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.F.C. fan motor is mounted on the outside on these models and is protected from the weather by a cover which swings away for maintenance.

A large access door is located on the side of the unit for easy access to the fan drive system. The belt can be adjusted by tightening the J-Bolts on the motor base and the tension can be checked easily through the access door, all while standing at the side of the unit. The bearing lubrication lines have been extended to the exterior casing and are located by the access door, thus making bearing lubrication easy.

Models AT / UAT 110-112 through AT / UAT 456-926

Motor Mount, Power Band Belt Adjustment and Bearing Lubrication



The T.E.A.O. fan motor is located inside the fan casing on the large AT/UAT Cooling Tower, and is mounted on a rugged heavy duty motor base. The motor base is designed to swing completely to the outside of the unit through a very large hinged (1,3 m²) access door greatly simplifying maintenance.

The unique swinging motor mount designed for these models features easy belt adjustment from the exterior of the unit. The T.E.A.O. fan motor is mounted on an adjustable base which is supported by two heavy duty galvanized steel pipes. The belt is adjusted by tightening an all-thread which runs through the motor base.

The innovative motor base features a unique locking mechanism for a positive belt adjustment and is also used to adjust the belt tension if a wrench is not available.

Bearing lubrication fittings are extended to the side of the unit inside the access door to allow easy application of the bearing lubricant. This external location allows for easy servicing of the bearings and is another important advantage of EVAPCO equipment.



The Advanced Technology Easy Maintenance Drive System *(continued)*



On Models AT/UAT 14-64 through 14-912

On Models AT/UAT 19-56 through 38-942



Fan Motors

All AT/UAT Cooling Tower models utilize heavy duty totally enclosed fan motors designed specifically for cooling tower applications suitable for VFD applications. In addition to the standard motors offered on each cooling tower, EVAPCO offers many optional motors to meet your specific needs, including Multi-Speed Motors.

The T.E.F.C. motors are located on the outside of the unit on Models AT 14-64 through AT/UAT 38-942 and are protected by a hinged, swing away cover.

Models AT/UAT 110-112 through 456-926 have T.E.A.O. motors located inside the fan section on a heavy duty motor base. The motor base swings to the outside for motor repair or removal, for AT/UAT 110-112 through 456-926.

On Models AT/UAT 110-112 through 456-926



Power-Band Belt Drive

The Power-Band drive is a solid-back multigroove belt system that has high lateral rigidity. The belt is designed for cooling tower service, and is constructed of neoprene with polyester cords. The drive belt is sized for 1.5 service factor of the motor nameplate kW ensuring long and trouble free operation.

Drive System Sheaves

Drive system sheaves located in the warm, moist atmosphere inside the cooling tower are constructed of an aluminum alloy. Those located externally are protected by a hinged protective cover.

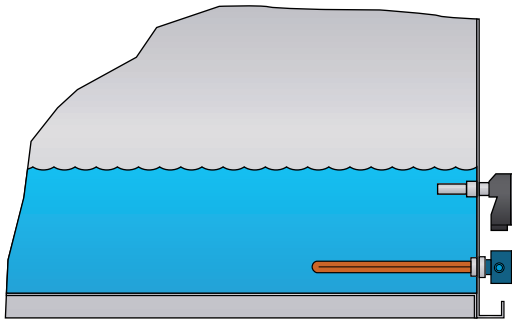
Fan Shaft Bearings

The fan shaft bearings on the AT/UAT cooling tower are specially selected to provide long life, minimizing costly downtime. They are rated for an L-10 life of 75,000 to 135,000 hours, making them the heaviest duty pillow block bearing in the industry used for cooling tower duty.

Optional Equipment for Easier Operation and Maintenance

Electric Heaters

Electric immersion heaters are available factory installed in the basin of the cooling tower. They are sized to maintain a +5°C pan water temperature with the fans off and an ambient air temperature of -18, -28 or -40°C. They are furnished with a combination thermostat/low water protection device to cycle the heater on when required and to prevent the heater elements 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. (See page 14 for heater size information).



Electric Water Level Control

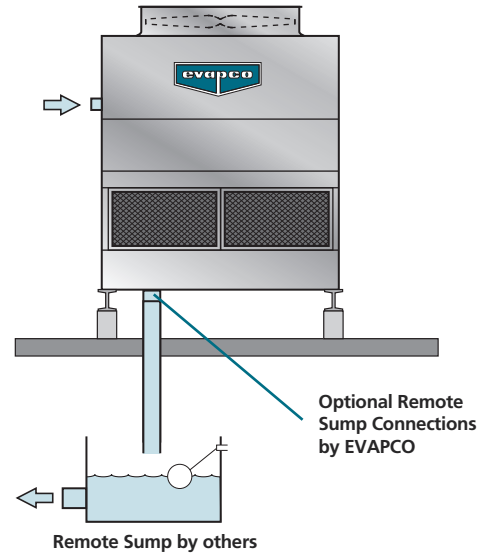
EVAPCO cooling towers are available with an optional electric water level control system in place of the standard mechanical makeup valve and float assembly. This package provides very accurate control for the basin water level and does not require field adjustment, even under varying operating conditions.

The control consists of multiple heavy duty stainless steel electrodes. These electrodes are mounted external to the unit in a vertical stand pipe. For winter operation, the stand pipe must be wrapped with electric heating cable and insulated to protect it from freezing.

The weather protected slow closing solenoid valve(s) for the makeup water connection is factory supplied and is ready for piping to a water supply with a pressure between 140 and 340 kPa.



Remote Sump Configuration



For units operating in areas where ambient 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 cooling tower will be supplied without the suction strainers but with an oversize bottom outlet.

Other Options

- Vibration Isolators (single cell units only)
- Vibration Switches
- Fill Access Doors
- Sump Sweeper Piping
- Many more options ...



Fill Access Door



Flanged Connections



AT/UAT

COOLING CAPACITY MODELS AT/UAT 14-64 TO 14-912 MODELS AT/UAT 18-49 TO 18-914

ENGINEERING

Cooling capacity in l/s*																					
MODEL NO.	EWT	32	36	32	36	32	36	32	37	35	40	35	40	35	37	40	42	36	37	41	42
	LWT	27	26	27	26	27	26	27	27	30	30	30	30	30	32	30	32	31	32	31	32
	WB	19	19	20	20	21	21	22	22	24	24	25	25	26	26	26	26	27	27	27	27
AT/UAT 14-64		9,3	5,2	8,6	4,7	7,7	4,1	6,8	4,4	8,9	5,8	8,0	5,3	6,9	9,8	4,6	6,5	7,3	8,8	4,9	5,9
AT/UAT 14-74		10,1	6,0	9,4	5,5	8,5	4,9	7,6	5,2	9,7	6,6	8,8	6,1	7,7	10,6	5,4	7,3	8,1	9,7	5,7	6,8
AT/UAT 14-84		10,7	6,2	10,0	5,7	9,1	5,1	8,0	5,4	10,4	6,9	9,4	6,3	8,2	11,3	5,6	7,7	8,6	10,3	5,9	7,1
AT/UAT 14-94		11,5	7,1	10,8	6,5	9,9	5,9	8,9	6,2	11,2	7,8	10,2	7,2	9,0	12,1	6,4	8,6	9,4	11,1	6,7	7,9
AT/UAT 14-66		15,8	9,1	14,7	8,3	13,3	7,4	11,7	7,8	15,2	10,1	13,8	9,2	11,9	16,7	8,1	11,3	12,5	15,1	8,6	10,3
AT/UAT 14-76		17,0	10,4	15,9	9,5	14,5	8,6	13,0	9,0	16,5	11,4	15,0	10,5	13,2	17,9	9,4	12,6	13,8	16,4	9,8	11,6
AT/UAT 14-86		18,3	10,9	17,1	10,0	15,6	9,0	13,9	9,5	17,7	12,1	16,1	11,0	14,1	19,3	9,8	13,4	14,8	17,6	10,3	12,3
AT/UAT 14-96		19,5	12,2	18,3	11,2	16,8	10,2	15,1	10,7	18,9	13,3	17,3	12,3	15,3	20,5	11,0	14,6	16,0	18,8	11,6	13,5
AT/UAT 14-69		21,4	12,0	19,8	10,8	17,8	9,6	15,7	10,2	20,6	13,5	18,5	12,2	16,0	22,7	10,6	15,1	16,8	20,5	11,2	13,7
AT/UAT 14-79		23,3	13,9	21,7	12,7	19,8	11,4	17,6	12,0	22,5	15,4	20,4	14,1	17,9	24,5	12,5	17,0	18,8	22,4	13,1	15,6
AT/UAT 14-89		24,9	14,4	23,1	13,1	21,0	11,7	18,6	12,4	24,0	16,1	21,7	14,6	18,9	26,2	12,9	17,9	19,8	23,8	13,6	16,3
AT/UAT 14-99		26,7	16,4	25,0	15,1	22,9	13,6	20,5	14,3	25,9	18,0	23,6	16,6	20,8	28,1	14,8	19,8	21,7	25,7	15,5	18,3
AT/UAT 14-612		32,1	18,5	29,8	16,8	27,0	15,0	23,9	15,8	31,0	20,6	28,0	18,7	24,3	33,9	16,5	22,9	25,5	30,8	17,4	21,0
AT/UAT 14-712		34,6	21,1	32,3	19,4	29,6	17,5	26,5	18,4	33,5	23,2	30,5	21,3	26,9	36,4	19,0	25,6	28,1	33,3	20,0	23,6
AT/UAT 14-812		37,3	22,2	34,8	20,3	31,7	18,2	28,2	19,2	36,0	24,6	32,7	22,5	28,7	39,2	19,9	27,2	30,1	35,8	21,0	25,0
AT/UAT 14-912		39,7	24,7	37,2	22,9	34,1	20,8	30,7	21,8	38,5	27,1	35,1	25,0	31,1	41,8	22,5	29,7	32,5	38,2	23,5	27,5

Cooling capacity in l/s*																					
MODEL NO.	EWT	32	36	32	36	32	36	32	37	35	40	35	40	35	37	40	42	36	37	41	42
	LWT	27	26	27	26	27	26	27	27	30	30	30	30	30	32	30	32	31	32	31	32
	WB	19	19	20	20	21	21	22	22	24	24	25	25	26	26	26	26	27	27	27	27
AT/UAT 18-49		51	31	48	28	43	25	39	27	49	34	45	31	39	54	28	38	41	49	29	35
AT/UAT 18-59		53	31	50	29	45	26	40	27	52	35	47	32	41	56	28	39	43	51	30	35
AT/UAT 18-69		58	36	54	33	49	30	44	31	56	39	51	36	45	61	32	43	47	55	34	40
AT/UAT 18-79		59	37	55	35	51	32	46	33	57	41	52	38	46	62	34	44	48	57	36	41
AT/UAT 18-89		62	39	58	36	53	32	48	34	60	42	55	39	48	65	35	46	51	59	37	43
AT/UAT 18-99		64	40	60	38	55	35	49	36	62	44	56	41	50	---	37	48	52	61	39	44
AT/UAT 18-511		58	35	54	32	49	29	44	30	56	38	51	35	45	61	31	42	47	55	33	39
AT/UAT 18-611		66	39	61	36	56	32	50	34	64	43	58	40	51	69	35	48	53	63	37	44
AT/UAT 18-711		67	42	63	39	58	36	52	38	65	46	59	43	53	71	39	50	55	65	40	47
AT/UAT 18-811		71	44	66	41	61	37	55	39	68	48	62	44	55	74	40	53	58	68	42	49
AT/UAT 18-911		73	46	68	43	63	40	57	41	71	50	65	47	57	77	42	55	60	70	44	51
AT/UAT 18-312		64	38	60	35	55	32	49	33	62	43	56	39	50	68	34	47	52	62	36	43
AT/UAT 18-412		68	43	63	39	58	36	52	38	66	46	60	43	53	71	39	51	55	65	41	47
AT/UAT 18-512		73	43	68	40	62	35	55	37	71	48	64	44	56	77	39	53	59	70	41	49
AT/UAT 18-612		79	49	74	45	67	41	61	43	76	54	70	49	62	83	44	59	64	76	46	54
AT/UAT 18-712		82	52	77	48	70	44	63	46	79	56	72	52	64	86	47	61	67	79	49	57
AT/UAT 18-812		83	52	78	48	71	44	64	46	80	57	73	52	65	87	47	62	68	80	49	58
AT/UAT 18-912		86	54	80	51	74	47	67	49	83	59	76	55	68	---	50	64	70	83	52	60
AT/UAT 18-214		79	47	73	43	67	39	60	41	76	52	69	48	61	83	43	58	64	75	45	53
AT/UAT 18-314		82	52	77	48	70	44	63	46	80	56	73	52	64	86	47	61	67	79	49	57
AT/UAT 18-414		86	51	80	46	73	42	65	44	83	56	75	51	66	90	46	62	69	82	48	57
AT/UAT 18-514		86	53	80	48	73	44	66	46	83	58	76	53	67	90	47	64	70	82	50	59
AT/UAT 18-614		89	56	84	53	77	48	69	50	87	61	79	57	70	94	52	67	73	86	54	62
AT/UAT 18-714		92	57	86	53	79	48	71	50	89	63	81	58	72	97	52	69	75	88	54	64
AT/UAT 18-814		96	60	89	55	82	50	74	52	93	65	84	60	75	100	54	71	78	92	57	66
AT/UAT 18-914		99	63	93	59	85	54	77	56	96	68	88	64	78	---	58	75	81	96	60	69

* CE compliant AT/UAT cooling towers require a special protective fan screen. This fan screen reduces the indicated cooling capacity with 2%. This reduction is incorporated in the CTI certification.

Note: For alternate selections and conditions other than those stated, consult the online selection program or your local EVAPCO representative.



AT/UAT

COOLING CAPACITY MODELS AT/UAT114-526 TO 456-926

ENGINEERING

Cooling capacity in l/s*																					
MODEL NO.	EWT	32	36	32	36	32	36	32	37	35	40	35	40	35	37	40	42	36	37	41	42
	LWT	27	26	27	26	27	26	27	27	30	30	30	30	30	32	30	32	31	32	31	32
	WB	19	19	20	20	21	21	22	22	24	24	25	25	26	26	26	26	27	27	27	27
AT 114-526		260	167	244	155	225	142	204	148	252	181	232	168	207	272	152	198	215	251	159	184
AT 114-626		277	179	261	167	241	153	219	160	269	195	248	181	222	290	164	212	230	268	171	198
AT 114-726		292	190	275	177	254	163	231	170	284	207	261	192	234	305	175	225	243	282	182	209
AT 114-826		316	209	298	195	277	179	252	187	307	226	284	211	255	330	192	245	265	306	200	229
AT 114-926		336	224	317	209	295	193	269	201	327	242	302	226	273	349	206	262	283	325	214	245
AT 214-552		511	327	480	304	443	278	401	290	496	357	456	330	406	535	299	389	423	493	312	361
AT 214-652		546	353	513	328	474	301	430	313	530	384	487	356	436	570	323	417	453	527	336	388
AT 214-752		575	374	541	349	501	320	455	333	558	407	514	378	461	600	343	442	479	555	358	412
AT 214-852		623	411	588	383	545	353	496	367	606	445	559	414	503	650	377	482	522	602	393	450
AT 214-952		662	440	625	411	580	379	530	395	644	476	596	444	537	689	405	515	556	640	422	482
AT 314-578		762	487	716	452	660	414	597	432	739	531	679	492	606	797	445	579	630	735	464	538
AT 314-678		814	525	765	488	707	447	641	467	790	571	726	530	650	850	480	622	675	785	501	579
AT 314-778		857	557	807	519	746	476	678	496	832	606	767	562	687	895	511	658	714	828	533	613
AT 314-878		929	612	876	571	812	525	739	547	903	663	834	617	749	969	562	718	777	898	585	671
AT 314-978		987	656	932	613	865	565	790	588	960	710	888	662	800	1028	604	768	829	955	628	718
AT 228-526		510	326	479	303	441	277	399	289	494	355	454	329	405	533	297	387	421	491	311	360
AT 228-626		544	351	511	326	472	299	428	312	528	382	486	354	435	568	321	416	451	525	335	387
AT 228-726		573	373	539	347	499	319	453	332	556	405	513	376	459	598	342	440	477	553	356	410
AT 228-826		621	409	586	382	543	351	494	365	603	443	557	413	501	647	376	480	520	600	391	449
AT 228-926		659	439	623	410	578	378	528	393	641	475	594	443	535	687	404	513	554	638	420	480
AT 428-552		1003	639	942	593	868	543	785	567	972	698	893	645	796	1049	584	760	828	967	610	707
AT 428-652		1071	690	1006	641	929	587	842	613	1039	751	955	696	854	1119	631	817	888	1033	658	760
AT 428-752		1128	732	1062	682	982	625	892	652	1095	796	1009	739	904	1179	671	865	939	1089	700	806
AT 428-852		1223	804	1153	750	1068	689	973	718	1189	872	1097	811	986	1276	738	945	1023	1182	769	883
AT 428-952		1300	863	1228	806	1139	742	1039	772	1264	934	1169	870	1053	1354	794	1010	1091	1257	825	944
AT 342-526		750	478	704	443	649	406	587	423	727	521	668	482	595	785	436	568	619	723	456	528
AT 342-626		801	515	752	479	695	439	630	458	777	561	714	520	638	837	471	611	664	772	492	568
AT 342-726		844	547	794	509	734	467	667	487	819	595	754	552	676	881	501	647	702	814	523	603
AT 342-826		915	601	862	560	799	515	727	537	889	652	820	606	737	954	552	706	765	884	574	660
AT 342-926		972	645	918	602	852	555	777	577	945	698	874	651	787	1013	593	755	816	940	617	706
AT 456-526		990	630	929	584	856	534	774	558	960	687	881	636	785	1036	575	750	817	954	600	696
AT 456-626		1057	679	993	631	917	578	831	604	1026	740	943	686	842	1105	621	806	876	1020	648	749
AT 456-726		1114	722	1048	672	969	616	880	642	1082	785	996	728	892	1164	661	854	926	1076	689	795
AT 456-826		1209	793	1139	739	1055	679	960	708	1174	860	1083	800	973	1261	728	932	1010	1168	758	871
AT 456-926		1285	851	1213	795	1125	732	1026	761	1249	921	1155	858	1039	1339	783	997	1078	1243	814	932

* CE compliant AT/UAT cooling towers require a special protective fan screen. This fan screen reduces the indicated cooling capacity with 2%. This reduction is incorporated in the CTI certification.

Note: For alternate selections and conditions other than those stated, consult the online selection program or your local EVAPCO representative.

AT-215-89L

NOMENCLATURE

Product Type
 AT – Indicates an AT tower
 UAT - An AT tower with stainless steel construction, 304L, 316L or a combination

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

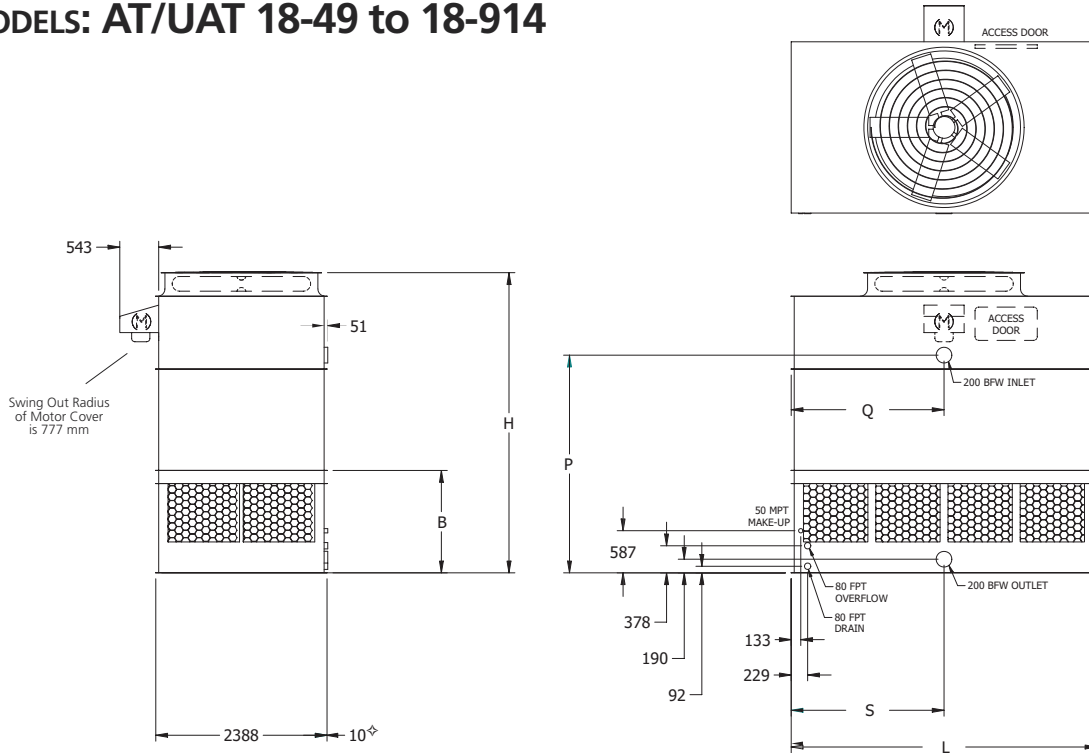
Unit Width
 The total width of the unit in feet, all cells included. The value is rounded up to the next whole number

Capacity Indicator
 Relative performance indicator, an AT-215-89 has more capacity than an AT-215-49

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

Other
 Some, but not all units end with a letter: L – Indicates a reduced horsepower motor
 U – Indicates a twice reduced horsepower motor
 S – Indicates a non-cataloged design

MODELS: AT/UAT 18-49 to 18-914



Note: for additional Weights and Heights of optional Low & Super Low Sound Fan execution, see table on page 74.

Model No.	Weights (kg)			Fan Motor (kW)	Air Flow (m ³ /s)	Dimensions (mm)				
	Shipping	Operating	Heaviest Section (Upper)			H†	B	P	L	S&Q
AT/UAT 18-49	1830	3050	1275	7,5	19,4	3769	1316	2619	2730	1365
AT/UAT 18-59	1745	2965	1195	11,0	22,5	3464	1316	2315	2730	1365
AT/UAT 18-69	1860	3080	1305	11,0	22,0	3769	1316	2619	2730	1365
AT/UAT 18-79	1985	3205	1435	11,0	21,7	4074	1316	2924	2730	1365
AT/UAT 18-89	1880	3105	1330	15,0	24,1	3769	1316	2619	2730	1365
AT/UAT 18-99	2010	3230	1455	15,0	23,7	4074	1316	2924	2730	1365
AT/UAT 18-511	2075	3495	1455	7,5	21,9	3769	1316	2619	3188	1594
AT/UAT 18-611	2000	3415	1380	15,0	27,8	3464	1316	2315	3188	1594
AT/UAT 18-711	2260	3675	1635	11,0	24,5	4074	1316	2924	3188	1594
AT/UAT 18-811	2130	3545	1510	15,0	27,3	3769	1316	2619	3188	1594
AT/UAT 18-911	2280	3695	1660	15,0	26,8	4074	1316	2924	3188	1594
AT/UAT 18-312	2305	3955	1605	7,5	24,4	3769	1316	2619	3651	1826
AT/UAT 18-412	2470	4120	1770	7,5	24,0	4074	1316	2924	3651	1826
AT/UAT 18-512	2210	3860	1510	15,0	31,0	3464	1316	2315	3651	1826
AT/UAT 18-612	2360	4010	1660	15,0	30,4	3769	1316	2619	3651	1826
AT/UAT 18-712	2520	4175	1825	15,0	29,9	4074	1316	2924	3651	1826
AT/UAT 18-812	2370	4025	1675	18,5	32,7	3769	1316	2619	3651	1826
AT/UAT 18-912	2535	4185	1835	18,5	32,1	4074	1316	2924	3651	1826
AT/UAT 18-214	2550	4485	1765	11,0	30,4	3880	1427	2730	4261	2130
AT/UAT 18-314	2735	4670	1950	11,0	29,8	4185	1427	3035	4261	2130
AT/UAT 18-414	2415	4350	1630	18,5	36,3	3575	1427	2426	4261	2130
AT/UAT 18-514	2570	4510	1785	15,0	33,2	3880	1427	2730	4261	2130
AT/UAT 18-614	2760	4695	1975	15,0	32,7	4185	1427	3035	4261	2130
AT/UAT 18-714	2585	4520	1800	18,5	35,6	3880	1427	2730	4261	2130
AT/UAT 18-814	2595	4530	1810	22,0	37,8	3880	1427	2730	4261	2130
AT/UAT 18-914	2780	4715	1995	22,0	37,1	4185	1427	3035	4261	2130

NOTE: (1) An adequately sized bleed line must be installed in the cooling tower system to prevent build-up of impurities in the recirculated water.
 (2) Do not use catalog drawings for certified prints. Dimensions and weights are subject to change.
 (3) Adequate spacing must be allowed for access to the cooling tower.

◇ Outlet connection extends 10mm beyond bottom flange.
 † Height includes fan guard which ships factory mounted