

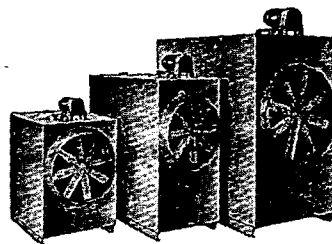


Halstead & Mitchell

Bessemer Bldg., Pittsburgh 22, Pa.

Plant: Zellenople, Pa.

One of the world's largest manufacturers of CLEANABLE, WATER-COOLED CONDENSORS



20-YEAR GUARANTEE ON THE WETTED DECK SURFACE

Halstead & Mitchell's exclusive use of Koppers pressure-treated wetted deck surface makes possible a 20-year guarantee against rotting or fungi attack.

MOTOR

Special weather and splash proof—suitable for operating exposed under all weather conditions.

HOUSING

10-gauge (CT Series) or 14-gauge (WT Series) Sheet Steel Case, electrically welded. Five individual cabinet coatings of Vinsynite, Vinyl Zinc and chlorinated rubber.

WATER DISTRIBUTION

Efficient gravity-type distributing pan eliminates extra pumping head required on spray type towers, and cuts down windage losses due to atomizing of water. Sump level is automatically controlled.

FANS

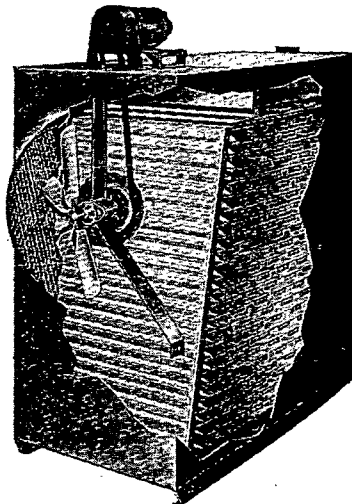
Quiet operating, high pressure fans, made of Stainless Steel. Multi-bladed, they reduce pulsation effects, and have been re-designed for quiet operating residential work.

DRIVE

Drive shafts are Stainless Steel. Fan bearings are self-aligning . . . ball bearing . . . grease sealed. On Commercial Towers, belt tension is adjustable. On Residential Towers, drive is direct connected, and motors are totally enclosed, moisture-proof.

HALSTEAD & MITCHELL COMMERCIAL & RESIDENTIAL COOLING TOWERS

Halstead & Mitchell Cooling Towers save and re-use over 95 per cent of the cooling water used in air conditioning and refrigeration systems. They may be used indoors or out, operating quietly and with equal efficiency under either condition. Additional detailed information describing cooling towers and condensers, is available upon request.



Cutaway View, H & M Commercial Cooling Tower

COMPLETE ASSEMBLY

All bolts used are Everdur for ease of disassembly after years of service. For installation in cramped quarters, towers with sectional housings are available. All towers easily accessible for cleaning through inlet on back.

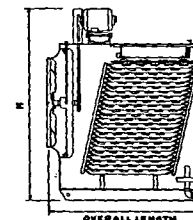
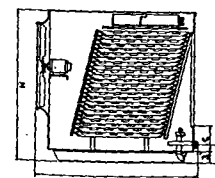
H & M COMMERCIAL COOLING TOWER SPECIFICATIONS

*CT or WT

Cooling Tower Number	500	750	1000	1500	2000	2500	3000	4000	5000	6000
Nominal Rating										
75° Wet Bulb Tons	5	7.5	10	15	20	25	30	40	50	60
75° Wet Bulb Tons	6	9	12	18	24	30	36	48	60	72
Std. GPM****	15	22.5	30	45	60	75	90	120	150	180
Std. CFM	1500	2250	3000	4500	6000	7500	9000	12000	15000	18000
Dimensions										
Length (Inches)	43 1/4	43 1/4	61	75 1/4	76	76	100	101	125	125
Width (Inches)	29	29	29	29	44	44	44	72	72	72
Height (Inches)	42 3/4	58	58	63	76	76	76	76	76	88
Pipe Size (Inches)										
IN	1 1/2	2	2	2	2	2	2	2	2	2
OUT	1 1/2	2	2	2	3	3	3	4	4	4
Overflow	1	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	2	2	2
Make-up Conn. fpt.	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
Fan Diameter (Inches)	24	24	24	24	36	36	36	42	42	48
Motor										
HP	3/4	3/4	3/4	3/4	3/4	3/4	1	1	1 1/2	3
RPM	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725
Fan Pulley (Inches)	6 1/4	6 1/4	6 1/4	6 1/4	9	9	9	9***	9***	9***
Motor Pulley (Inches)	2 3/4	2 3/4	3	3 1/4	3	3	4	4	3 3/4***	3 1/4***
Belt Length (Inches)	60	66	66	76	94	94	96	105	105	105
Overall Height (Inches)	53 1/2	69	69	76	88	89	89	89	105	102
Air Outlet DD (Inches)	24 3/4	24 3/4	24 3/4	24 3/4	36 3/4	36 3/4	36 3/4	44 1/4	44 1/4	44 1/4
Air Inlet										
Height (Inches)	28 3/4	44 1/4	44 1/4	48 3/4	55	55	55	55	55	67
Width (Inches)	20 1/4	26 1/2	26 1/2	26 1/2	40	40	40	68	68	68
Shipping Wgt. (Pounds)										
WT	380	495	665	855	1340	1600	1920	2800	3160	3790
CT	500	745	990	1210	1800	2000	2400	3500	3930	4730
Wetted Wgt. (Pounds)										
WT	755	890	1200	1495	2270	2550	3110	4300	5610	6700
CT	875	1140	1515	1850	2730	2950	3590	5500	6400	7670

* WT Tower Casings are 14-gauge sheet steel
 CT Tower Casings are 10-gauge sheet steel
 *** Open-type distribution pan
 **** 2 groove pulleys
 ***** Based on 3 GPM/Ton

NOTE: CT Towers only, can be furnished in two sections . . . the entire housing cut in half to facilitate installation in cramped quarters. Optional at extra cost. All Towers are suitable for indoor or outdoor use at no extra cost.



H & M RESIDENTIAL COOLING TOWER SPECIFICATIONS

Model No.	Capacity in Tons		Motor HP	RPM	Std. GPM	Std. CFM	Dimensions in Inches								WEIGHTS (approx)	
										Water		Over Flow	Make-Up	Fan Outlet	Shipping	Wetted
	75° WB	78° WB					L.	W.	H.	In	Out					
RE-214	2.4	2.0	1/20	1000	6	1180	36 1/2	24	35	1 1/4	1 1/4	1	16 3/4	215	320	
RE-314	3.6	3.0	1/20	1000	9	1370	40	24	41	1 1/4	1 1/4	1	18 3/4	285	420	
RE-414	4.8	4.0	1/20	1000	12	1500	40	24	50 1/2	1 1/4	1 1/4	1	18 3/4	325	495	
RE-514	6.0	5.0	1/20	1000	15	1870	44 3/4	29	42 3/4	1 1/4	1 1/4	1	18 3/4	385	561	
RE-714	9.0	7.5	1/12	860	22.5	2360	44 3/4	29	55	1 1/4	1 1/4	1 1/4	20 3/4	496	891	

Capacities based on 3 GPM per ton. 95° water to tower—85° water off tower.

Send for complete Descriptive Bulletins on Cooling Towers and Condensers