

STD-201RS Table 3a - IP Units - Cooling Towers (CT)

Condition Reference #	1	2	3	4	5	6	7	8	9	10
Wet Bulb °F	50	50	50	50	50	55	55	55	55	55
Range °F	10	10	10	15	15	10	10	10	15	15
Approach °F	7	10	12	7	12	7	10	12	7	12
Inlet Water Temperature °F	67	70	72	72	77	72	75	77	77	82
Outlet Water Temperature °F	57	60	62	57	62	62	65	67	62	67
	GPM									
TLC-175	308.4	418.4	496	239.7	372.6	345.6	469.2	556.5	269.1	418.8
TLC-200	355	478	564.3	277.9	427.4	397.3	535.3	632.2	311.7	479.8
TLC-225	389.8	525.4	620.6	304.9	469.5	436.4	588.5	695.4	342	527.2
TLC-250	445.3	601.1	710.7	347.7	536.7	498.6	673.6	796.6	390.1	602.8
TLC-300	527.2	702.7	825.1	417	631.9	589.1	785.4	922.5	466.9	708.1
TLC-350	597.9	809.4	958.4	465.6	721.6	669.8	907.4	1075	522.6	810.9
TLC-400	717	959.8	1129	564.7	860.9	801.7	1074	1264	632.6	928.3
TLC-450	785.6	1054	1242	617.2	944.3	878.7	1180	1391	691.8	1059
TLC-500	881.3	1186	1400	690.5	1061	986.4	1328	1568	774.3	1191
TLC-600	1049	1408	1660	823.9	1261	1174	1576	1858	923.5	1415
TLC-700	1233	1645	1932	974.2	1478	1378	1839	2161	1091	1657
TLC-800	1360	1845	2187	1058	1643	1524	2069	2453	1187	1847
TLC-900	1548	2095	2481	1206	1868	1735	2349	2782	1354	2099

STD-201RS Table 3b - SI Units - Cooling Towers (CT)

Condition Reference #	1	2	3	4	5	6	7	8	9	10
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13
Range °C	6	6	6	8	8	6	6	6	8	8
Approach °C	4	6	7	4	7	4	6	7	4	7
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20
	L/S									
TLC-175	18.91	26.78	30.96	15.81	25.25	21.4	30.33	35.08	17.92	28.65
TLC-200	21.79	30.59	35.24	18.31	28.91	24.62	34.59	39.87	20.72	32.76
TLC-225	23.92	33.62	38.76	20.09	31.76	27.04	38.03	43.86	22.74	36
TLC-250	27.32	38.47	44.38	22.92	36.33	30.89	43.53	50.24	25.95	41.19
TLC-300	32.4	44.96	51.56	27.43	42.63	36.55	50.75	58.21	30.99	48.21
TLC-350	36.68	51.81	59.84	30.71	48.88	41.49	58.66	67.78	34.79	55.45
TLC-400	44.04	61.42	70.57	37.17	58.15	49.72	69.38	79.75	42.03	65.82
TLC-450	48.24	67.46	77.59	40.65	63.82	54.48	76.23	87.72	45.98	72.27
TLC-500	54.11	75.9	87.42	45.5	71.74	61.14	85.82	98.89	51.49	81.29
TLC-600	64.42	90.13	103.7	54.27	85.26	72.76	101.9	117.2	61.39	96.55
TLC-700	75.77	105.3	120.8	64.11	99.77	85.49	118.8	136.4	72.43	112.9
TLC-800	83.44	118.1	136.5	69.78	111.4	94.42	133.8	154.7	79.08	126.4
TLC-900	94.99	134.1	154.9	79.55	126.6	107.5	151.9	175.4	90.12	143.6

STD-201RS Table 3a - IP Units - Cooling Towers (CT)

Condition Reference #	11	12	13	14	15	16	17	18	19	20
Wet Bulb °F	60	60	60	60	60	65	65	65	65	65
Range °F	10	10	10	15	15	10	10	10	15	15
Approach °F	7	10	12	7	12	7	10	12	7	12
Inlet Water Temperature °F	77	80	82	82	87	82	85	87	87	92
Outlet Water Temperature °F	67	70	72	67	72	72	75	77	72	77
	GPM									
TLC-175	389.1	528.5	626.9	303.5	472.8	439.8	597.4	708.8	343.6	535.5
TLC-200	446.6	601.9	711.1	351	540.8	504.1	679.3	802.6	396.8	611.5
TLC-225	490.6	661.9	782.4	385.2	594.4	553.8	747.2	883.3	435.6	672.3
TLC-250	560.8	757.8	896.6	439.5	679.8	633.2	855.7	1013	497.2	769.2
TLC-300	661	881.5	1036	524.9	796.5	744.5	992.7	1166	592.4	898.9
TLC-350	753.7	1022	1210	589.2	915	851.6	1154	1368	666.7	1036
TLC-400	900.3	1206	1420	711.8	1087	1015	1359	1601	803.8	1228
TLC-450	987.2	1326	1563	778.6	1193	1113	1495	1763	879.6	1348
TLC-500	1109	1493	1763	871.9	1342	1251	1685	1990	985.7	1517
TLC-600	1319	1771	2089	1040	1594	1487	1998	2356	1175	1802
TLC-700	1546	2064	2426	1227	1864	1742	2325	2733	1385	2104
TLC-800	1716	2330	2764	1339	2085	1940	2634	3125	1516	2362
TLC-900	1952	2644	3133	1526	2369	2205	2987	3540	1727	2682

STD-201RS Table 3b - SI Units - Cooling Towers (CT)

Condition Reference #	11	12	13	14	15	16	17	18	19	20
Wet Bulb °C	16	16	16	16	16	18	18	18	18	18
Range °C	6	6	6	8	8	6	6	6	8	8
Approach °C	4	6	7	4	7	4	6	7	4	7
Inlet Water Temperature °C	26	28	29	28	31	28	30	31	30	33
Outlet Water Temperature °C	20	22	23	20	23	22	24	25	22	25
	L/S									
TLC-175	24.34	34.52	39.94	20.41	32.67	26.6	37.72	43.65	22.32	35.74
TLC-200	27.97	39.31	45.32	23.57	37.29	30.52	42.9	49.46	25.75	40.74
TLC-225	30.72	43.23	49.86	25.88	40.99	33.53	47.19	54.43	28.27	44.79
TLC-250	35.1	49.5	57.13	29.53	46.91	38.33	54.04	62.38	32.27	51.27
TLC-300	41.43	57.54	66.01	35.18	54.76	45.15	62.7	71.93	38.38	59.74
TLC-350	47.18	66.73	77.13	39.61	63.2	51.53	72.89	84.25	43.3	69.1
TLC-400	56.41	78.74	90.52	47.75	74.84	61.51	85.85	98.7	52.12	81.69
TLC-450	61.84	86.56	99.62	52.26	82.21	67.45	94.42	108.7	57.06	89.76
TLC-500	69.43	97.51	112.4	58.56	92.52	75.76	106.4	122.6	63.96	101.1
TLC-600	82.6	115.7	133.2	69.78	109.8	90.1	126.2	145.2	76.19	119.9
TLC-700	96.92	134.8	154.7	82.25	128.2	105.6	146.9	168.6	89.73	139.9
TLC-800	107.4	152.2	176.1	90.07	144.1	117.3	166.3	192.5	98.48	157.6
TLC-900	122.2	172.7	199.6	102.6	163.6	133.4	188.7	218.1	112.2	178.9

STD-201RS Table 3a - IP Units - Cooling Towers (CT)

Condition Reference #	21	22	23	24	25	26	27	28	29	30
Wet Bulb °F	70	70	70	70	70	75	75	75	75	75
Range °F	10	10	10	15	15	10	10	10	15	15
Approach °F	7	10	12	7	12	7	10	12	7	12
Inlet Water Temperature °F	87	90	92	92	97	92	95	97	97	102
Outlet Water Temperature °F	77	80	82	77	82	82	85	87	82	87
	GPM									
TLC-175	498.7	677.4	803.8	390.3	608.4	567.2	770.2	913.8	444.6	692.9
TLC-200	570.7	769	908.6	450.1	693.5	648	872.8	1031	511.9	788.4
TLC-225	627.2	846	1000	494.1	762.6	712.4	960.5	1135	562.1	867.1
TLC-250	717.3	969.3	1147	564.2	872.9	815	1101	1302	642	993
TLC-300	841.2	1121	1317	670.5	1017	953	1270	1491	761.1	1154
TLC-350	965.3	1308	1550	757.1	1176	1097	1487	1762	862	1339
TLC-400	1148	1537	1809	910.7	1391	1302	1742	2050	1035	1579
TLC-450	1260	1691	1994	997.1	1528	1429	1918	2260	1133	1736
TLC-500	1416	1907	2252	1118	1720	1608	2164	2555	1271	1955
TLC-600	1683	2260	2665	1331	2042	1910	2563	3022	1513	2319
TLC-700	1969	2627	3087	1568	2381	2231	2975	3495	1779	2701
TLC-800	2199	2987	3543	1722	2683	2501	3395	4028	1961	3055
TLC-900	2499	3386	4012	1961	3045	2841	3847	4558	2232	3466

STD-201RS Table 3b - SI Units - Cooling Towers (CT)

Condition Reference #	21	22	23	24	25	26	27	28	29	30
Wet Bulb °C	21	21	21	21	21	24	24	24	24	24
Range °C	6	6	6	8	8	6	6	6	8	8
Approach °C	4	6	7	4	7	4	6	7	4	7
Inlet Water Temperature °C	31	33	34	33	36	34	36	37	36	39
Outlet Water Temperature °C	25	27	28	25	28	28	30	31	28	31
	L/S									
TLC-175	30.47	43.21	50.01	25.6	41	35.02	49.66	57.46	29.46	47.17
TLC-200	34.9	49.05	56.55	29.49	46.65	40.05	56.26	64.85	33.88	53.57
TLC-225	38.35	53.97	62.25	32.38	51.31	44.02	61.91	71.4	37.21	58.93
TLC-250	43.86	61.83	71.38	36.98	58.75	50.35	70.96	81.9	42.51	67.51
TLC-300	51.52	71.52	82.04	43.86	68.24	58.97	81.81	93.83	50.27	78.16
TLC-350	59	83.46	96.48	49.65	79.24	67.78	95.85	110.8	57.11	91.12
TLC-400	70.25	98.03	112.7	59.61	93.41	80.49	112.3	129	68.4	107.1
TLC-450	77.08	107.9	124.2	65.29	102.7	88.37	123.6	142.2	74.95	117.8
TLC-500	86.63	121.6	140.2	73.23	115.7	99.39	139.5	160.7	84.12	132.9
TLC-600	103	144.2	165.9	87.19	137.2	118.1	165.2	190.1	100.1	157.5
TLC-700	120.6	167.6	192.3	102.6	159.8	138	191.7	220	117.6	183.1
TLC-800	134.4	190.5	220.4	113	180.8	154.5	218.9	253.3	130	208
TLC-900	152.8	216	249.7	128.6	205.1	175.5	248.1	286.7	147.9	235.8

STD-201RS Table 3a - IP Units - Cooling Towers (CT)

Condition Reference #	31	32	33	34	35	36	37	38	39	40
Wet Bulb °F	80	80	80	80	80	85	85	85	85	85
Range °F	10	10	10	15	15	10	10	10	15	15
Approach °F	7	10	12	7	12	7	10	12	7	12
Inlet Water Temperature °F	97	100	102	102	107	102	105	107	107	112
Outlet Water Temperature °F	87	90	92	87	92	92	95	97	92	97
	GPM									
TLC-175	646.7	877.7	1041	507.7	790.8	738.8	1002	1188	580.9	904.2
TLC-200	737.6	992.7	1172	583.6	898.1	841.1	1131	1335	666.6	1025
TLC-225	810.9	1093	1291	641	988	925	1245	1471	732.4	1128
TLC-250	928.1	1253	1482	732.4	1132	1059	1429	1689	837.1	1292
TLC-300	1082	1441	1691	865.6	1311	1231	1637	1921	986.6	1492
TLC-350	1251	1693	2006	983.9	1527	1428	1932	2288	1125	1745
TLC-400	1479	1978	2328	1178	1796	1685	2251	2648	1344	2046
TLC-450	1625	2179	2568	1291	1975	1852	2481	2922	1473	2252
TLC-500	1830	2461	2905	1449	2227	2086	2804	3308	1655	2541
TLC-600	2172	2913	3433	1724	2640	2475	3317	3908	1968	3010
TLC-700	2534	3376	3965	2025	3071	2883	3839	4506	2308	3495
TLC-800	2852	3869	4588	2239	3486	3258	4417	5237	2562	3986
TLC-900	3237	4382	5190	2548	3953	3696	5000	5920	2914	4517

STD-201RS Table 3b - SI Units - Cooling Towers (CT)

Condition Reference #	31	32	33	34	35	36	37	38	39	40
Wet Bulb °C	27	27	27	27	27	29	29	29	29	29
Range °C	6	6	6	8	8	6	6	6	8	8
Approach °C	4	6	7	4	7	4	6	7	4	7
Inlet Water Temperature °C	37	39	40	39	42	39	41	42	41	44
Outlet Water Temperature °C	31	33	34	31	34	33	35	36	33	36
	L/S									
TLC-175	40.37	57.21	66.18	34	54.41	44.44	62.94	72.8	37.46	59.91
TLC-200	46.08	64.67	74.53	39.03	61.65	50.66	71.06	81.87	42.94	67.78
TLC-225	50.66	71.19	82.08	42.87	67.84	55.7	78.23	90.18	47.18	74.6
TLC-250	57.97	81.64	94.2	49	77.76	63.76	89.74	103.5	53.94	85.53
TLC-300	67.68	93.8	107.5	57.77	89.71	74.28	102.9	117.9	63.46	98.45
TLC-350	78.09	110.4	127.5	65.87	105	85.93	121.4	140.2	72.55	115.6
TLC-400	92.48	128.9	148.1	78.68	123.1	101.6	141.4	162.4	86.49	135.2
TLC-450	101.6	142	163.3	86.27	135.5	111.6	155.9	179.3	94.87	148.9
TLC-500	114.3	160.3	184.7	96.89	152.9	125.7	176.1	202.8	106.6	168.1
TLC-600	135.7	189.8	218.3	115.2	181.1	149.1	208.4	239.7	126.7	199
TLC-700	158.5	219.9	252.2	135.2	210.2	173.9	241.2	276.6	148.5	230.7
TLC-800	178	252.2	291.7	150	239.9	196	277.5	320.9	165.2	264.1
TLC-900	202.2	285.6	329.9	170.6	271.8	222.4	314.1	362.8	187.9	299.1

STD-201RS Table 3a - IP Units - Cooling Towers (CT)

Condition Reference #	41	42	43	44	45		46	47	48	49
Wet Bulb °F	90	90	90	90	90		69.8	78	80.6	82.4
Range °F	10	10	10	15	15		9	10	9	9
Approach °F	7	10	12	7	12		10.8	7	9	7.2
Inlet Water Temperature °F	107	110	112	112	117		89.6	95	98.6	98.6
Outlet Water Temperature °F	97	100	102	97	102		80.6	85	89.6	89.6
	GPM									
TLC-175	845.7	1146	1358	665.9	1035		781.3	613.5	873.1	755.6
TLC-200	960.9	1291	1523	762.8	1171		883.5	700.2	987.7	858.6
TLC-225	1057	1422	1678	838.2	1289		972.5	769.8	1087	944.5
TLC-250	1211	1632	1928	958.4	1478		1115	880.9	1246	1082
TLC-300	1403	1864	2254	1126	1700		1281	1028	1433	1254
TLC-350	1634	2209	2614	1289	1997		1507	1187	1684	1460
TLC-400	1922	2565	3107	1535	2334		1760	1405	1968	1717
TLC-450	2114	2829	3331	1684	2571		1939	1543	2168	1889
TLC-500	2383	3199	3773	1893	2903		2190	1737	2448	2129
TLC-600	2825	3782	4586	2250	3437		2592	2062	2898	2524
TLC-700	3287	4370	5234	2635	3985		3003	2407	3359	2936
TLC-800	3728	5051	5986	2937	4564		3444	2705	3849	3331
TLC-900	4228	5714	6763	3338	5169		3900	3071	4359	3778

STD-201RS Table 3b - SI Units - Cooling Towers (CT)

Condition Reference #	41	42	43	44	45		46	47	48	49
Wet Bulb °C	32.2	32.2	32.2	32.2	32.2		21	25.56	27	28
Range °C	6	6	6	8	8		5	5.56	5	5
Approach °C	4	6	7	4	7		6	3.89	5	4
Inlet Water Temperature °C	42.2	44.2	45.2	44.2	47.2		32	35.00	37	37
Outlet Water Temperature °C	36.2	38.2	39.2	36.2	39.2		27	29.44	32	32
	L/S									
TLC-175	51.93	73.47	84.95	43.83	70		49.29	38.61	55.08	47.66
TLC-200	59.06	82.75	95.29	50.13	79.01		55.73	44.07	62.3	54.16
TLC-225	64.96	91.13	105	55.1	86.98		61.34	48.45	68.58	59.58
TLC-250	74.4	104.6	120.6	63.02	99.78		70.34	55.45	78.63	68.25
TLC-300	86.36	119.4	139.7	73.88	114.4		80.83	64.74	90.41	79.08
TLC-350	100.4	141.6	163.5	84.83	135		95.08	74.69	106.3	92.08
TLC-400	118.2	164.4	195.1	100.8	157.2		111	88.46	124.2	108.3
TLC-450	130	181.3	215.3	110.7	173.3		122.3	97.17	136.8	119.2
TLC-500	146.5	205	236	124.4	195.8		138.2	109.4	154.5	134.3
TLC-600	173.7	242.4	278.7	147.8	231.7		163.5	129.8	182.8	159.3
TLC-700	202.3	280.1	328.7	172.9	268.2		189.5	151.6	211.9	185.3
TLC-800	229	323.8	374.3	193.3	308.6		217.3	170.3	242.8	210.2
TLC-900	259.7	366.3	423	219.6	349.2		246	193.4	275	238.3