



## Counterflow Cooling Tower - CT Model

### COOLING TOWER ENGINEERING DATA - CT MODEL

Model No:	Box	Length	Width	Height	Fan ø	Airflow	Motor	In / Out	Dry	Wet
		mm	mm	mm	mm	l/sec	kW	mm	kg	kg
280	6 X 4	2030	1460	3060	1000	5860	1.1	100	330	830
300	6 X 4	2030	1460	3060	1000	6360	1.5	100	340	900
330	6 X 4	2030	1460	3060	1000	7250	2.2	100	360	980
350	6 X 4	2030	1460	3060	1000	8530	4	100	370	1050
390	6 X 4	2030	1460	3060	1000	9150	4	100	390	1100
420	6 X 6	2030	2030	3060	1500	5860	2.2	100	530	1200
460	6 X 6	2030	2030	3060	1500	7500	4	100	700	1400
520	6 X 6	2030	2030	3060	1500	8500	4	100	800	1500
620	6 X 6	2030	2030	3060	1500	9400	5.5	100	900	1600
450	9 X 4	2950	1460	3060	2 x 1000	5860	2 x 1.5	100	500	1200
500	9 X 4	2950	1460	3060	2 x 1000	5990	2 x 1.5	100	550	1250
550	9 X 4	2950	1460	3060	2 x 1000	6530	2 x 2.2	100	600	1300
600	9 X 4	2950	1460	3060	2 x 1000	8006	2 x 4.0	100	650	1350
650	9 X 4	2950	1460	3060	2 x 1000	8400	2 x 4.0	100	700	1400
700	12 X 4	3860	1460	4160	2 x 1000	7610	2 x 2.2	150	730	1680
750	12 X 4	3860	1460	4160	2 x 1000	9350	2 x 4.0	150	800	1750
820	12 X 4	3860	1460	4160	2 x 1000	9800	2 x 4.0	150	860	1800
780	8 X 8	2700	2700	4160	1820	16800	4	150	1200	3000
860	8 X 8	2700	2700	4160	1820	18600	5.5	150	1250	3100
1000	8 X 8	2700	2700	4160	1820	20600	7.5	150	1300	3200
1050	8 X 8	2700	2700	4160	1820	24600	11	150	1350	3300
1110	8 X 8	2700	2700	4160	1820	22850	11	150	1400	3400
1010	8 X 10	2700	3300	4160	2100	19500	5.5	150	1580	3550
1210	8 X 10	2700	3300	4160	2100	21300	7.5	150	1680	3650
1310	8 X 10	2700	3300	4160	2100	25400	11	150	1780	3750
1410	8 X 10	2700	3300	4160	2100	27500	15	150	1980	3850

CT Model Engineering Data Continues over page >>>

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**COOLING TOWER ENGINEERING DATA - CT MODEL CONT.**

Model No:	Box	Length	Width	Height	Fan ø	Airflow	Motor	In / Out	Dry	Wet
		mm	mm	mm	mm	l/sec	kW	mm	kg	kg
1200	10 X 10	3300	3300	4570	2400	25850	5.5	200	1800	3950
1350	10 X 10	3300	3300	4570	2400	28600	7.5	200	1900	4150
1500	10 X 10	3300	3300	4570	2400	32300	11	200	2100	4350
1540	10 X 10	3300	3300	4570	2400	36200	15	200	2200	4450
1250	10 X 12	3300	3900	4570	2400	26100	5.5	200	2250	4950
1375	10 X 12	3300	3900	4570	2400	28900	7.5	200	2350	5150
1575	10 X 12	3300	3900	4570	2400	34500	11	200	2450	5350
1675	10 X 12	3300	3900	4570	2400	38500	15	200	2550	5450
1560	12 X 12	3900	3900	4800	3000	37500	7.5	200	2450	6150
1650	12 X 12	3900	3900	4800	3000	38000	7.5	200	2800	6650
1790	12 X 12	3900	3900	4800	3000	41900	11	200	2650	6350
1880	12 X 12	3900	3900	4800	3000	42000	11	200	3000	6750
2000	12 X 12	3900	3900	4800	3000	46500	15	250	2850	6550
2010	12 X 12	3900	3900	4800	3000	46600	15	250	3250	6850
2020	12 X 12	3900	3900	4800	3000	49500	18.5	250	3050	6650
2230	12 X 12	3900	3900	4800	3000	49900	18.5	250	3500	6950
2300	12 X 12	3900	3900	4800	3000	51980	22	250	3250	6850
2350	12 X 12	3900	3900	4800	3000	52000	22	250	3750	7050
2200	12 x 14	3900	4500	4800	3000	41500	7.5	250	3100	7680
2400	12 x 14	3900	4500	4800	3000	43500	11	250	3200	7800
2600	12 x 14	3900	4500	4800	3000	47900	18.5	250	3300	8000
2800	12 x 14	3900	4500	4800	3000	49800	22	250	3400	8150
2550	14 x 14	4500	4500	5100	3000	59200	15	250	3570	8150
2640	14 x 14	4500	4500	5100	3000	59600	15	250	3650	8250
2730	14 x 14	4500	4500	5100	3000	63200	18.5	250	3880	8390
2810	14 x 14	4500	4500	5100	3000	63500	18.5	250	3900	8400
2900	14 x 14	4500	4500	5100	3000	66900	22	250	3960	8600
3000	14 x 14	4500	4500	5100	3000	67000	22	250	3990	8700
3250	14 x 14	4500	4500	5100	3000	73200	30	250	4100	8800
3320	14 x 14	4500	4500	5100	3000	73300	30	250	4200	8900
3500	16 x 16	5100	5100	5400	4200	73800	18.5	250	4160	9650
3650	16 x 16	5100	5100	5400	4200	83890	22	250	4400	9750
3710	16 x 16	5100	5100	5400	4200	79200	22	250	4450	9850
4030	16 x 16	5100	5100	5400	4200	91500	30	250	4750	9900
4450	16 x 16	5100	5100	5400	4200	91600	37	250	4850	9950
4000	16 x 20	5100	6300	5600	4200	97800	30	250	5000	10200
4400	16 x 20	5100	6300	5600	4200	103500	37	250	5200	10400
4800	16 x 20	5100	6300	5600	4200	110500	45	250	5500	10600
4600	18 x 18	5700	5700	5600	4300	98900	30	250	5000	10200
4930	18 x 18	5700	5700	5600	4300	105600	37	250	5200	10400
5300	18 x 18	5700	5700	5600	4300	111500	45	250	5500	10600
5500	20 x 20	6300	6300	5600	4900	134500	37	250	5700	10900
5750	20 x 20	6300	6300	5600	4900	128000	37	250	5900	11200
6100	20 x 20	6300	6300	5600	4900	132000	45	250	5950	11400
6300	20 x 20	6300	6300	5600	4900	148600	55	250	6000	11450
6500	20 x 20	6300	6300	5600	4900	142300	55	250	6100	11560
6700	22 x 22	6900	6900	5800	5600	159650	45	250	6950	13200
6900	22 x 22	6900	6900	5800	5600	149580	45	250	7150	13950

The model number reflects the THR in kW at temperatures 35°C water in, 29.5°C water out and 24°C wet bulb

**COOLING TOWER ENGINEERING DATA - CT MODEL CONT.**

<b>7100</b>	22 x 22	6900	6900	5800	5600	168600	55	250	7100	13650
<b>7400</b>	22 x 22	6900	6900	5800	5600	159500	55	250	7250	14000
<b>7900</b>	24 x 24	7500	7500	5900	6700	170200	45	300	7200	14500
<b>8200</b>	24 x 24	7500	7500	5900	6700	194500	55	300	7300	14600
<b>8500</b>	24 x 24	7500	7500	5900	6700	185020	55	300	7400	14700
<b>9000</b>	24 x 24	7500	7500	5900	6700	215300	75	300	7500	14800
<b>9300</b>	24 x 24	7500	7500	5900	6700	199200	75	300	7700	14920

The model number reflects the THR in kW at temperatures 35°C water in, 29.5°C water out and 24°C wet bulb

## Cooling Tower Selection Chart

### CT COUNTERFLOW MODELS

Hot Water	35	35	35	35	35	35	35	35	35	35	35	35	37	
Cold Water	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	32	
Wet Bulb	19	20	21	22	23	24	24.5	25	25.5	26	26.5	27	27	
Model Number	Flow rate l/sec													
280	6x4	16.21	15.21	13.99	12.98	12.01	11.23	10.61	9.98	9.42	8.28	7.65	7.01	11.98
300		17.95	16.85	15.85	13.56	13.03	12.12	11.47	10.82	10.01	9.01	8.50	7.98	13.02
330		19.91	18.56	17.25	15.86	15.10	13.23	12.61	11.98	11.06	10.12	9.34	8.56	14.98
350		21.83	19.99	18.69	17.45	16.12	14.98	13.94	12.89	12.16	11.03	10.02	9.01	16.02
390		23.65	22.12	21.01	18.56	18.01	16.25	15.14	14.03	13.28	12.09	11.04	9.98	17.85
450	9x4	27.81	26.12	24.03	22.12	20.78	18.98	17.79	16.59	15.98	14.03	13.03	12.03	20.98
500		30.01	27.98	26.56	24.51	22.56	20.12	19.08	18.03	17.23	15.12	14.12	13.12	22.60
550		33.81	31.26	29.25	27.41	24.99	22.98	21.52	20.06	19.03	17.23	15.73	14.23	25.01
600		36.82	34.98	32.21	29.01	28.03	25.01	23.55	22.09	20.65	18.98	17.00	15.02	27.98
650		40.12	37.98	35.74	32.19	30.02	27.12	25.60	24.07	22.83	20.45	18.74	17.02	30.89
700	12x4	42.12	39.56	36.75	34.12	31.99	28.56	27.01	25.45	23.98	21.45	20.66	19.86	31.90
750		46.21	43.89	40.85	37.52	35.03	31.98	30.00	28.01	26.03	23.89	22.23	20.56	35.01
820		50.03	47.12	44.25	40.03	37.89	34.09	32.41	30.72	28.45	25.98	24.00	22.01	32.03
420	6x6	23.90	22.61	21.10	19.60	18.10	16.30	15.25	14.20	13.50	12.40	11.25	10.10	18.12
460		29.10	27.13	25.40	23.80	22.12	19.95	18.92	17.89	16.56	15.21	13.67	12.13	21.56
520		31.90	29.92	28.10	26.10	23.91	21.95	20.59	19.23	18.23	16.56	14.91	13.26	24.15
620		36.20	34.19	31.90	29.90	27.12	24.65	23.32	21.98	20.68	18.98	17.10	15.21	27.68
780	8x8	47.85	44.58	41.25	38.56	35.89	33.01	30.79	28.56	26.98	24.12	22.24	20.36	36.30
860		53.19	49.56	46.58	43.52	40.01	36.03	34.02	32.01	30.03	27.01	25.01	23.01	40.56
1000		60.95	56.23	53.25	49.03	45.78	41.56	39.21	36.86	34.45	31.03	28.03	25.02	45.65
1050		64.23	60.78	56.98	51.25	48.56	43.98	41.48	38.98	36.56	32.99	29.99	26.98	48.69
1110		69.29	64.85	60.14	55.69	52.03	47.06	44.31	41.56	39.05	35.45	32.51	29.56	52.65
1010	8x10	65.23	61.98	57.98	53.65	49.56	44.78	42.33	39.87	37.01	34.12	30.79	27.45	49.87
1210		75.60	72.56	68.96	63.12	58.45	52.36	49.46	46.56	43.25	40.12	36.12	32.12	58.45
1310		81.56	76.52	71.25	66.56	61.23	54.98	51.97	48.95	45.78	41.23	38.11	34.98	61.25
1410		86.23	80.23	76.56	71.56	66.89	59.89	57.29	54.69	48.98	45.65	41.65	37.65	65.45
1200	10x10	74.23	69.56	65.75	60.51	56.02	50.79	47.84	44.89	42.03	37.98	34.11	30.23	56.50
1350		82.15	77.32	72.14	67.32	62.12	55.89	52.89	49.89	46.78	42.01	38.85	35.69	62.50
1500		93.12	87.12	82.19	75.85	70.83	63.91	60.28	56.65	53.00	47.89	44.01	40.12	70.89
1540		100.25	96.56	91.25	84.37	78.99	71.12	66.84	62.56	58.32	52.39	49.19	45.98	74.69

Selection Data Continues Over Page >>>

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CT Counterflow Model Selection Data Continued from Page 9.

1250	10x12	85.73	80.34	75.72	69.75	64.70	58.68	55.31	51.95	48.69	44.00	39.56	35.12	58.20
1375		92.53	86.82	81.08	75.67	69.84	63.01	60.79	58.57	52.88	47.52	42.13	36.74	62.90
1575		102.54	95.68	90.09	83.42	77.88	70.07	66.20	62.33	58.40	52.89	48.17	43.44	70.01
1675		108.63	103.06	97.25	90.47	83.50	75.81	71.43	67.04	62.66	56.48	51.88	47.29	75.20
1560	12x12	97.22	91.12	85.69	78.98	73.37	66.56	62.79	59.01	55.35	50.01	45.01	40.00	73.98
1650		102.90	96.32	90.02	84.01	77.56	70.12	68.69	67.25	58.98	53.02	45.40	37.78	78.01
1790		111.95	104.23	97.98	90.98	84.92	76.23	72.12	68.01	63.80	57.89	52.33	46.76	84.98
1880		117.01	109.56	103.25	96.56	88.01	80.50	76.01	71.52	67.00	60.56	54.58	48.59	88.65
2000		124.91	116.56	110.01	102.01	94.32	85.42	80.22	75.01	71.02	64.23	58.34	52.44	94.69
2010		130.85	121.76	114.98	107.23	98.45	89.53	84.45	79.36	74.65	66.89	60.15	53.41	99.56
2020		134.91	127.21	119.02	110.01	102.23	92.19	87.13	82.06	76.98	69.56	62.81	56.05	101.69
2230		139.26	131.56	123.56	115.23	105.92	95.69	90.46	85.23	79.85	71.89	64.72	57.54	105.98
2300		143.56	134.85	126.56	118.01	108.56	98.23	92.68	87.13	81.65	73.98	66.90	59.82	109.23
2350		148.23	140.01	131.98	122.06	112.03	101.29	95.69	90.09	84.56	76.23	68.80	61.36	113.09
2200	12x14	146.06	137.90	129.64	120.02	110.62	99.86	94.45	89.05	83.50	75.56	68.31	61.07	99.50
2400		151.33	143.10	134.46	125.40	114.98	104.01	98.32	92.63	86.71	78.44	70.84	63.24	103.90
2600		156.79	147.44	139.16	129.02	119.06	107.40	101.48	95.56	89.11	80.61	72.63	64.65	106.50
2800		162.13	152.77	143.84	133.88	122.61	111.13	104.87	98.61	92.29	83.90	76.04	68.18	110.95
2550	14x14	157.21	148.58	140.25	130.03	119.01	107.52	101.78	96.03	90.01	81.56	73.82	66.08	120.05
2640		163.39	154.63	145.36	135.56	124.03	112.32	106.17	100.02	93.56	84.98	76.96	68.93	124.58
2730		170.02	160.02	151.75	140.02	129.56	116.56	110.27	103.98	96.56	87.23	78.35	69.47	130.98
2810		176.02	165.52	155.69	145.69	133.19	120.96	114.04	107.12	100.01	91.56	83.28	74.99	133.65
2900		181.31	170.21	161.25	148.98	137.24	123.45	116.74	110.03	102.95	92.98	83.95	74.92	137.56
3000		185.26	176.58	165.89	154.23	142.99	127.96	120.93	113.89	106.58	96.02	86.58	77.14	142.69
3250		202.85	191.85	180.03	167.01	154.63	138.23	131.11	123.98	115.98	105.09	95.14	85.19	154.47
3320		207.13	195.96	183.52	171.58	157.12	142.56	134.33	126.09	118.06	107.01	96.97	86.92	158.57
3500	16x16	219.01	205.65	194.65	180.98	166.56	150.98	142.51	134.03	124.98	112.98	101.95	90.92	167.58
3650		228.02	214.53	201.48	188.01	173.12	155.45	147.17	138.89	130.01	117.02	105.58	94.14	173.23
3710		232.52	219.56	206.52	192.32	176.02	160.01	151.20	142.39	132.98	120.03	108.35	96.66	177.58
4030		253.20	239.84	224.23	209.01	193.01	174.53	164.71	154.89	144.69	131.01	118.57	106.12	193.41
4450		277.01	261.1	245.12	228.09	210.23	190.02	179.46	168.90	157.01	143.09	129.68	116.27	211.14
4000	16x20	267.23	254.23	238.23	219.56	200.02	179.89	169.27	158.65	145.65	132.32	117.74	103.15	200.12
4400		285.60	271.31	254.65	235.98	217.23	197.65	185.94	174.23	164.12	150.12	136.11	122.10	218.56
4800		305.42	289.56	271.45	252.36	232.54	210.65	198.61	186.56	174.23	160.56	145.35	130.14	232.45
4600	18x18	288.21	272.56	256.51	238.98	219.23	188.92	182.74	176.56	164.58	148.03	133.26	118.49	220.14
4930		310.23	291.36	275.46	256.01	235.84	212.31	200.48	188.65	176.59	160.00	145.17	130.34	236.54
5300		330.26	312.02	293.01	273.09	251.65	226.50	237.73	248.96	232.99	210.03	190.06	170.09	311.25
5500	20x20	343.21	321.25	303.26	283.36	260.02	235.01	221.99	208.96	165.23	176.02	159.05	142.07	260.25
5750		357.23	336.52	317.25	295.09	272.32	245.65	231.94	218.23	203.56	184.56	167.22	149.88	271.12
6100		381.23	359.89	338.65	314.98	290.03	262.56	247.77	232.98	217.56	196.23	177.35	158.47	289.85
6300		393.21	370.09	348.63	324.32	298.89	270.23	255.12	240.01	223.79	202.01	182.51	163.00	300.01
6500		407.56	384.96	361.02	335.98	310.02	280.63	264.64	248.65	233.01	210.03	190.22	170.40	310.89
6700	22x22	413.87	390.23	366.25	342.01	314.56	284.23	268.61	252.98	236.56	213.12	192.69	172.25	315.25
6900		432.26	409.02	385.79	357.01	329.02	297.00	280.99	264.98	247.89	223.32	201.99	180.65	329.58
7100		443.65	418.52	393.29	366.98	337.52	305.23	287.78	270.32	252.33	229.98	209.31	188.63	339.21
7400		462.36	435.69	410.10	392.56	351.45	317.20	299.97	282.74	263.56	238.12	215.31	192.49	352.41
7900	24x24	492.36	465.69	438.52	408.23	376.52	338.62	320.59	302.56	283.12	255.03	230.76	206.49	376.02
8200		505.23	479.96	451.23	420.01	386.01	348.20	329.59	310.98	291.63	261.03	235.55	210.07	385.25
8500		525.36	498.63	468.02	436.03	401.23	362.10	342.43	322.75	302.56	271.56	245.46	219.36	401.01
9000		562.98	535.23	502.31	467.03	431.08	387.23	366.46	345.69	325.01	293.43	266.80	240.16	431.25
9300		583.92	551.23	518.98	482.36	444.02	400.01	378.27	356.52	334.56	301.23	273.08	244.93	445.89

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