COOLING TECHNOLOGY INSTITUTE

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Classik Cooling Towers
CXF-DFT CTI Certified Cooling Towers
CTI Certification Validation Number C119B-22R00
October 3, 2022 (Revision 0)

CXF-DFT-13A	CXF-DFT-17A	CXF-DFT-21A	CXF-DFT-25A
CXF-DFT-13B	CXF-DFT-17B	CXF-DFT-21B	CXF-DFT-25B
CXF-DFT-14A	CXF-DFT-18A	CXF-DFT-22A	CXF-DFT-26A
CXF-DFT-14B	CXF-DFT-18B	CXF-DFT-22B	CXF-DFT-26B
CXF-DFT-15A	CXF-DFT-19A	CXF-DFT-23A	
CXF-DFT-15B	CXF-DFT-19B	CXF-DFT-23B	
CXF-DFT-16A	CXF-DFT-20A	CXF-DFT-24A	
CXF-DFT-16B	CXF-DFT-20B	CXF-DFT-24B	

See Footnotes, Last Page

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Footnotes:

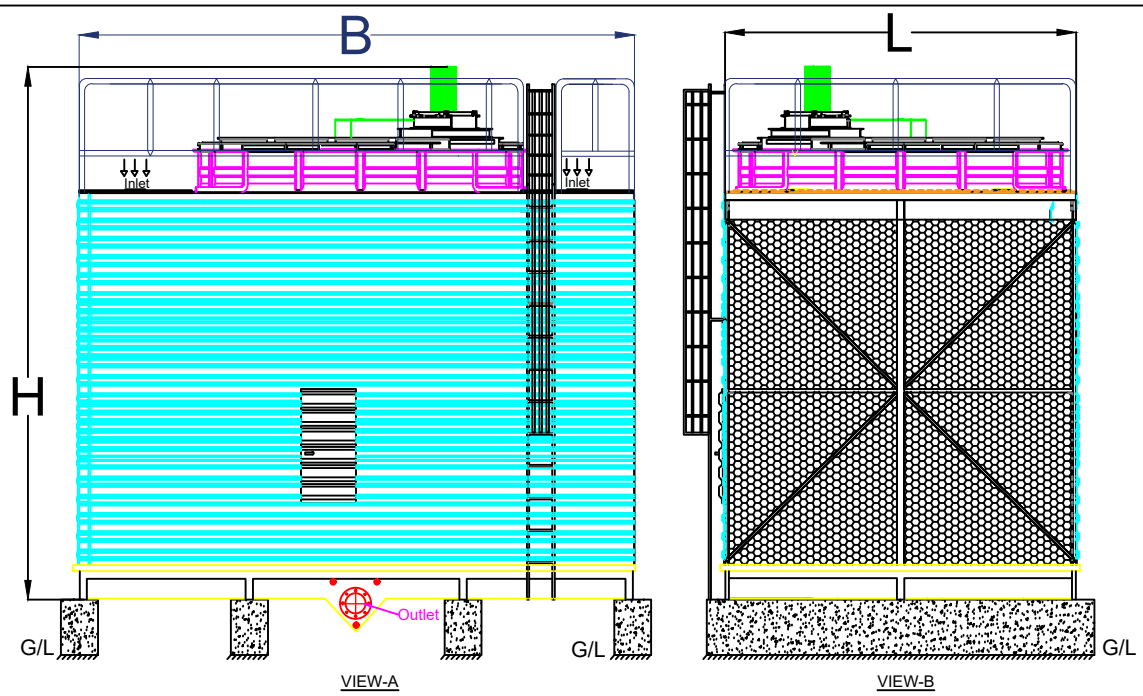
1. Multi-cell models are combinations of the primary single-cell models that share a common end-wall and are included in the certification. Rated capacities of the multi-cell models equal the primary single cell capacity times the number of cells. See example model number below.
2. Certification includes units with optional gear drive in place of standard belt drive. (Add Suffix G)
3. Certification includes alternate materials of construction are available with the following suffix designations:
    - Blank: Indicates MS HDG Structural (Standard)
    - Suffix P: Pultruded Structural
    - Suffix S4: Stainless Steel 304 Structural
    - Suffix S6: Stainless Steel 316 Structural
4. Certification includes alternate non-basin option (add Suffix NB)
5. Certification includes other options which do not affect Cooling Tower capacity do not require a suffix added to the model number. (No Suffix)
6. Motors are Cooling Tower rated, Premium Efficiency suitable for use with variable frequency drives. Enclosures are TEFC or TEAO. 208-230/380/415/460 electrical service.
7. Inlet and outlet connections are either flanged, grooved for mechanical coupling or beveled for welding.

Example Model Number: CXF-DFT-13A-2/G/P/NB

CXF-DFT:	Indicates Line Designation
13A:	Indicates Model Number
-2:	Indicates two cell arrangement of the primary certified model (capacity equals 2 times rated capacity)
/G:	Includes optional gear drive
/P:	Indicates Pultruded Structural
/NB:	Indicates Non Basin

C119B-22R00

CTI CERTIFIED
CXF-DFT SERIES CROSS FLOW COOLING TOWERS
DIMENSIONS AND TECHNICAL SPECIFICATIONS



VIEW-A VIEW-B

MODEL	L(mm)	B(mm)	H(mm)	MOTOR(kw)	INLET(inch)	OUTLET (inch)	SHIPPING WEIGHT(kgs)
CXF-DFT-13A	2000	3480	3060	3.7	6"	6"	1700
CXF-DFT-13B	2000	3480	3060	5.5	6"	6"	1720
CXF-DFT-14A	2200	3480	3060	5.5	6"	6"	1800
CXF-DFT-14B	2200	3780	3360	7.5	6"	6"	1850
CXF-DFT-15A	2200	3780	3978	5.5	6"	6"	1990
CXF-DFT-15B	2200	3780	3978	7.5	6"	6"	2020
CXF-DFT-16A	2700	4180	3878	5.5	8"	8"	2350
CXF-DFT-16B	2700	4180	3878	7.5	8"	8"	2360
CXF-DFT-17A	2700	4500	4028	7.5	8"	8"	2700
CXF-DFT-17B	2700	4500	4028	11	8"	8"	2720
CXF-DFT-18A	2700	4500	4440	9.3	8"	8"	3200
CXF-DFT-18B	2700	4500	4440	11	8"	8"	3210
CXF-DFT-19A	3100	4820	4830	11	8"	8"	3700
CXF-DFT-19B	3100	4820	4874	15	8"	8"	3735
CXF-DFT-20A	3100	5410	4874	15	8"	8"	4450
CXF-DFT-20B	3100	5410	4886	18.5	8"	8"	4465
CXF-DFT-21A	3100	5660	4830	15	8"	8"	4800
CXF-DFT-21B	3100	5660	4865	18.5	8"	8"	4825
CXF-DFT-22A	3400	5660	4830	15	5"x4nos	10"	5500
CXF-DFT-22B	3400	5660	4865	18.5	5"x4nos	10"	5520
CXF-DFT-23A	3400	6000	5493	18.5	5"x4nos	10"	5750
CXF-DFT-23B	3400	6000	5531	22	5"x4nos	10"	5780
CXF-DFT-24A	3900	6000	5793	18.5	6"x4nos	12"	6450
CXF-DFT-24B	3900	6000	5531	22	6"x4nos	12"	6480
CXF-DFT-25A	3900	6200	5558	18.5	6"x4nos	12"	7200
CXF-DFT-25B	3900	6200	5596	22	6"x4nos	12"	7235
CXF-DFT-26A	4700	6200	5625	30	6"x4nos	12"	8500
CXF-DFT-26B	4700	6200	5745	37	6"x4nos	12"	8560

- The above models have the similar configuration of FRP casing, HDG structural, SS304 fasteners,Handrails,and Hdg Gauge ladder.
- All dimensions mentioned above are with basin.
- The height may vary, while selecting the outlet size by client.

Classik Cooling Towers CXF-DFT R0 Selection

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21	24	24	24	24	24	24	27	27	27	27	29	29	29	29	32.2	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	6	6	7	4	7	6	6	7	4	7	4	6	7	4	7	6	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	6	7	3.89	5	6
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
All Flows in CMH																																																	
CXF-DFT-13A	26.8891	38.3836	44.4388	22.0655	35.9205	30.3785	43.4125	50.1861	25.0417	40.7441	34.5863	49.3650	57.0623	28.5311	46.3888	37.7678	53.8808	62.1938	31.1395	50.6932	43.2072	61.4754	70.8147	35.8179	57.7807	49.5703	69.9937	80.4619	41.0520	65.8885	56.6518	79.7435	91.5460	47.0045	75.1252	61.9885	86.9276	99.7564	51.5203	82.0014	71.5331	99.9616	114.6377	59.6280	94.4196	70.1980	54.4965	77.3830	67.0174
CXF-DFT-13B	33.2521	47.4668	54.9548	27.2870	44.4208	37.5670	53.6857	62.0622	30.9976	50.3858	42.7799	61.0468	70.5656	35.2828	57.3663	46.7053	66.6312	76.9114	38.5826	62.6907	53.4318	76.0230	87.5724	44.2939	71.4540	61.3207	86.5570	99.5025	50.7656	81.4804	70.0579	98.6141	113.2096	58.1278	92.9020	76.6576	107.4983	123.3628	63.7121	101.4063	88.4608	123.6167	141.7657	73.7385	116.7832	86.8100	67.3927	95.6950	82.8755
CXF-DFT-14A	34.3811	49.0783	56.8206	28.2135	45.9289	38.8427	55.5083	64.1692	32.0190	52.0965	44.2230	63.1194	72.9513	36.4807	59.3139	48.2909	68.8933	79.5226	39.8925	64.8253	55.2459	78.6040	90.5455	45.7977	73.8799	63.3819	89.4957	102.8807	52.4902	84.2467	72.4364	101.9621	117.0530	60.1012	96.0570	79.2601	111.1479	127.5511	65.8751	104.8491	91.4641	127.8135	146.5788	76.2419	120.7274	89.7582	69.6807	98.9439	85.6902
CXF-DFT-14B	37.6652	53.7664	62.2482	30.9085	50.3161	42.5531	60.8106	70.2888	35.0775	57.0729	48.4472	69.1487	79.9308	39.9654	64.9797	52.9038	75.4742	87.1188	43.7031	71.0176	60.5231	86.1124	99.1946	50.1724	80.9371	69.4362	98.0446	112.7081	57.5041	92.2941	79.3557	111.7018	128.2342	65.8422	105.2326	86.8312	121.7650	139.7351	72.1677	114.8645	100.2010	140.0226	160.5803	83.5248	132.2595	98.3321	76.3367	108.3953	93.8755
CXF-DFT-15A	43.2072	61.6775	71.4074	35.4563	57.7196	48.8143	69.7582	80.6425	40.2388	65.4705	55.5757	79.3232	91.6917	45.8458	74.5407	60.6880	86.5794	99.9373	50.1336	81.4671	69.4284	98.7829	113.7900	57.5547	92.8461	79.6530	112.4707	129.2919	65.9652	105.8742	91.0320	128.1375	147.1025	75.5302	120.7164	99.6075	139.6814	160.2955	82.7884	131.7656	114.9444	160.6254	184.2079	95.8145	151.7200	112.8006	87.5689	124.3445	107.6882
CXF-DFT-15B	47.6203	67.9771	78.7008	39.0777	63.6149	53.8031	76.8832	88.8791	44.3487	72.1575	61.2521	87.4251	101.0569	50.5264	82.1541	66.8866	95.4204	110.1447	55.2541	89.7879	76.5197	108.8724	125.4123	63.4332	102.3292	87.7686	123.9582	142.4074	72.7028	116.6880	100.3298	141.2251	162.1272	83.2447	133.0461	109.7812	153.9481	176.6678	91.2430	145.2208	126.6846	177.0313	203.0125	105.6008	167.2164	124.3218	96.5129	137.0447	118.6873
CXF-DFT-16A	52.4439	74.8627	86.6726	43.0360	70.0587	59.2496	84.6709	97.8820	48.8409	79.4668	67.4565	96.2807	111.2392	55.6466	90.4758	73.6657	105.0880	121.3016	60.8510	98.8828	84.2706	119.9004	138.1157	69.8585	112.6944	96.6810	136.5144	156.9315	80.0671	128.5076	110.4926	155.5303	178.5496	91.6768	146.5227	120.9013	169.5420	194.5630	100.4842	159.9340	139.5169	194.9633	223.5873	116.2974	184.1543	136.9147	106.2890	150.9264	130.7095
CXF-DFT-16B	57.7807	82.4808	95.4925	47.4155	77.1879	65.2789	93.2871	107.8426	53.8110	87.5532	74.3210	106.0783	122.6186	61.3093	99.6827	81.1576	115.7819	133.6454	67.0432	108.9453	92.8461	132.1017	152.1705	76.9674	124.1623	106.5194	150.4062	172.9038	88.2148	141.5847	121.7364	171.3572	196.7190	101.0059	161.4331	133.2043	186.7948	214.3619	110.7096	176.2091	153.7143	214.8030	246.3398	128.1320	202.8940	150.8479	117.1051	166.2849	144.0107
CXF-DFT-17A	61.5780	87.9014	101.7082	50.5316	82.2607	69.5690	99.4179	114.9299	57.3475	93.3071	79.2053	113.0497	130.6770	65.3385	106.2338	86.4912	123.3910	142.4285	71.4493	116.1051	98.9479	140.7833	162.1711	82.0257	132.3222	113.5197	160.2908	184.2639	94.0122	150.8896	129.7369	182.6187	209.6472	107.6440	172.0424	141.9584	199.0709	228.4497	117.9853	187.7804	163.8163	228.9197	262.5291	136.5527	216.2281	160.7609	124.8012	177.2130	153.4749
CXF-DFT-17B	70.5068	100.6471	116.5346	57.8586	94.1885	79.6505	113.8335	131.5948	65.6628	106.8367	90.6901	129.4419	149.6251	74.8126	121.6377	99.0325	141.2827	163.0806	81.8094	132.9403	113.2953	161.1069	185.6859	93.9194	151.5089	129.9801	183.5330	210.9822	107.6440	172.7686	148.5467	209.0984	240.0461	123.2534	196.9885	162.5424	227.9361	261.5749	135.0932	215.0389	187.5696	262.1131	300.5958	156.3529	247.5812	184.0712	142.8874	202.9089	175.7288
CXF-DFT-18A	75.1252	107.2397	124.1572	61.6485	100.3580	84.8742	121.2899	140.2145	69.9639	113.8367	96.6305	137.9206	159.4259	79.7130	129.6052	105.5193	150.5371	173.7628	87.1681	141.6482	120.7164	171.7556	197.8487	100.0713	161.4331	138.4941	195.5548	224.8230	114.6949	184.0853	158.2790	222.7948	255.7696	131.3257	209.8917	173.1893	242.8605	278.7086	143.9421	229.1031	199.8559	279.2821	320.2855	166.5943	263.7983	196.1283	152.2575	216.1999	187.2394
CXF-DFT-18B	79.9488	114.1253	132.1291	65.6068	106.8018	90.3238	129.0776	149.2174	74.4561	121.1437	102.8349	146.7762	169.6623	84.8311	137.9269	112.2945	160.2027	184.9197	92.7650	150.7431	128.4673	182.7836	210.5521	106.4966	171.7983	147.3885	208.1109	239.2386	122.0592	195.9050	168.4417	237.1000	272.1920	139.7578	223.3683	184.3094	258.4609	296.6038	153.1843	243.8132	212.6881	297.2141	340.8509	177.2910	280.7361	208.7212	162.0336	230.0816	199.2616
CXF-DFT-19A	97.4985	139.1772	161.1330	80.0083	130.2461	110.1510	157.4117	181.9724	90.8001	147.7363	125.4084	178.9953	206.9052	103.4526	168.2035	136.9445	195.3691	225.5118	113.1280	183.8330	156.6674	222.9069	256.7709	129.8740	209.5101	179.7396	253.7938	291.7512	148.8527	238.9085	205.4367	289.1463	331.9415	170.4363	272.4004	224.7675	315.1955	361.7120	186.8101	297.3332	259.3758	362.4563	415.6711	216.2085	342.3611	254.5341	197.6019	280.5873	243.0020
CXF-DFT-19B	107.3510	153.2415	177.4359	88.0934	143.4078	121.2820	173.3386	200.3612	99.9757	162.6654	138.0812	197.0833	227.8135	113.9068	185.2069	150.7831	215.1117	248.3036	124.5599	202.4090	172.4991	245.4323	282.7182	142.9981	230.6817	197.9228	279.4403	321.2335	163.8946	263.0509	226.1746	318.3653	365.4850	187.6593	299.9272	247.4809	347.0469	398.2639	205.6878	327.3795	285.5864	399.0834	457.6757	238.0503	376.9576	280.2598	217.5703	308.9414	267.5580
CXF-DFT-20A	112.1746	160.1271	185.3878	92.0517	149.8516	126.7316	181.1063	209.3640	104.4879	189.9745	144.2856	205.9388	238.0499	119.0249	193.5226	157.5582	224.7773	259.4573	130.1568	211.5048	180.2500	256.4602	295.4218	149.4234	241.0469	206.7951	291.9965	335.6675	171.2589	274.8706	236.3373	332.6704	381.9074	196.0915	313.4338	258.6010	362.6408	416.1592	214.9299	342.0897	298.4187	417.0155	478.2405	248.7536	393.8955	292.8527	227.3462	322.8231	279.5802
CXF-DFT-20B	120.5903	172.1403	199.2961	98.9576	161.0938	136.2394	194.6934	225.0711	112.3054	182.7264	155.1108	221.3890	255.9091	127.9545	208.0412	169.3787	241.6408	278.9225	139.9215	227.3725	193.7729	275.7006	317.5850	160.6336	259.1310	222.3095	313.9029	360.8520	184.1073	295.4921	254.0480	357.6283	410.5592	210.8028	336.9163	278.0020	389.8475	447.3806	231.0546	367.7542	320.8069	448.3012	514.1195	267.4158	423.4467	314.8234	244.4024	347.0422	300.5551
CXF-DFT-21A	122.1297	174.3378	201.8403	100.2209	163.1504	137.9786	197.1789	227.9444	113.7391	185.0591	157.0905	224.2152	259.1760	129.5880	210.6970	171.5410	244.7255	282.4832	141.7077	230.2751	196.2466	279.2202	321.6393	162.6842	262.4390	225.1475	317.9101	365.4568	186.4576	299.2644	257.3114	362.3938	415.8004	213.4939	341.2173	281.5509	394.8239	453.0919	234.0842	372.4490	324.9023	454.0242	520.6827	270.8296	428.8524	318.8424	247.5224	351.4725	304.3920
CXF-DFT-21B	131.3638	187.3765	216.9359	107.7165	175.3534	148.2580	211.9259	244.9923	122.2456	198.9367	168.8359	240.9842	278.5598	139.2799	226.4551	184.3705	263.0285	303.6101	152.3061	247.4573	210.9238	300.1030	345.6947	174.8514	282.0368	241.9863	341.6866	392.7853	200.4027	321.6463	276.5557	389.3822	446.8980	229.4611	366.7369	302.6081	424.3527	486.9786	251.5054	400.3042	349.2017	487.9805	559.6345	291.0849	460.9267	342.6886	265.9346	377.7591	327.1574
CXF-DFT-22A	134.8506	192.2111	222.5332	110.4957	179.8767	152.1243	217.3938	251.3134	125.3998	204.0316	173.1956	247.2020	285.7470	142.8735	232.2979	189.1275	269.8151	311.4437	156.2358	253.8831	216.3660	307.8461	354.6141	179.3628	289.3445	248.2298	350.5026	402.9238	205.5734	329.9453	283.6913	399.3263	458.4288	235.3815	376.1993	310.4158	435.3016	499.5433	257.9946	410.6328	358.2116	500.5712	574.0636	298.5953	472.8188	351.5305	272.8987	387.5058	335.5985
CXF-DFT-22B	144.6057	206.4218	238.9857	118.6650	193.1755	163.3713	233.4664	269.8938	134.6709	219.1162	186.0004	265.4783	306.8731	153.4366	249.4724	203.1103	289.7633	334.4698	167.7867	272.6534	232.3625	330.6061	380.8317	192.6236	310.7366	266.5822	376.4163	432.7131	220.7720	354.3391	304.6654	428.8496	492.3216	252.7840	404.0128	333.3657	467.4847	536.4760	277.0689	440.9921	384.6952	537.5799	616.5059	320.6714	507.7756	377.5201	293.0749	416.1552	360.4103
CXF-DFT-23A	151.5845	216.3840	250.5194	124.3919	202.4984	171.2558	244.7338	282.9192	141.1703	229.6910	194.9779	278.2906	321.6832	160.8416	261.5122	212.9126	303.7476	350.6115	175.8843	285.8120	243.5766	346.5615	399.2111	201.9198	325.7331	279.4478	394.5826	453.5964	231.4267	371.4399	319.3689	449.5464	516.0816	264.9836	423.5109	349.4544	490.0461	562.3670	290.4405	462.2749	403.2611	563.5241	646.2592	336.1473	532.2815	395.7397	307.2190	436.2394	377.8041
CXF-DFT-23B	161.0265	229.8622	266.1239	132.1400	215.1117	181.9230	259.9779	300.5418	149.9936	243.9981	207.1218	295.6249	341.7203	170.8601	277.8014	226.1746	322.6675	372.4505	186.8399	303.6148	258.7486	368.1483	424.0773	214.4971	346.0225	296.8541	419.1605	481.8502	245.8410	394.5763	339.2619	477.5480	548.2275	281.4890	449.8307	371.2213	520.5703	597.3959	308.5316	491.0803	428.3796	598.6251	686.5136	357.0854	565.4365	420.3897	326.3552	463.4121	401.3370
CXF-DFT-24A	165.1317	235.7223	272.9084	135.5088	220.5957	186.5610	266.8057	308.2038	153.7867	250.2186	212.4022	303.1616	350.4321	175.2160	284.8836	231.9407	330.8936	381.9458	191.6032	311.3551	265.3452	377.5359	434.8887	219.9855	354.8440	304.4221	429.8466	494.1345	252.1094	404.6356	347.9110	489.7225	562.2040	288.6853	461.3602	380.6852	533.8437	612.6259	316.3973	503.5899	439.3007	613.8864	704.0136	366.1889	579.8557	431.1075	334.6753	475.2263	411.5686
CXF-DFT-24B	175.3047	250.3725	289.8098	143.9307	234.3059	198.1558	283.1754	327.3588	163.3447	265.7698	225.6031	322.0032	372.2116	186.1058	302.5893	246.3559	351.4588	405.6839	203.5114	330.7000	281.8365	400.9977	461.9173	233.6364	376.8977	323.3421	456.5617	524.8455	267.7781	429.7839	369.5338	520.1590	597.1452	306.6059	490.0349	404.3450	567.0200	650.7008	336.0615	534.8868	466.6034	652.0397	747.7706	388.9477	615.8897	457.9006	355.4755	504.7618	437.1478
CXF-DFT-25A	200.4364	286.1191	331.2556	164.4802	267.7585	226.4472	323.6053	374.0969	186.6660	303.7147	257.8132	367.9767	425.3536	212.6768	345.7910	281.5290	401.6378	463.6048	232.5074	377.9220	322.0753	458.2496	527.8668	266.9935	430.7087	369.5068	521.7466	599.7791	306.0098	491.1457	422.2935	594.4240	682.4018	350.3812	559.9979	462.0747	647.9757	743.6037	384.0422	611.2545	533.2220	745.1338	854.5322	444.4792	703.8224	523.1767	406.2280	576.8284	499.5609
CXF-DFT-25B	213.0599	304.1389	352.1180	174.8392	284.6220	240.7089	343.9860	397.6576	198.4222	322.8426	274.0503	391.1519	452.1423	226.0712	367.5690	299.2597	426.9330	492.8026	247.2145	401.7236	342.3596	487.1102	561.1119	283.8088	457.8348	392.7783	554.6063	637.5532	325.2823	522.0780	448.8895	631.8608	725.3794	372.4482	595.2665	491.1762	688.7852	790.4359	408.2292	649.7513	566.8041	792.0623	908.3507	472.4725	748.1492	556.2327	431.8122	613.1571	531.0233
CXF-DFT-26A	214.7020	306.4830	354.8319	176.1867	288.8158	242.5640	346.6371	400.7224	199.9314	325.3308	276.1628	394.1666	455.8271	227.8135	370.4019	301.5661	430.2234	496.6007	249.1198	404.8197	344.9982	490.8844	565.4365	285.9961	461.3634	395.8055	558.8807	642.4690	327.7893	526.1017	452.3492	636.7306	730.9700	375.3187	599.8543	494.9618	694.0937	796.5279	411.3755	654.7590	571.1728	798.1668	915.3535	476.1139	753.9153	560.5196	435.1402	617.8827	535.1160
CXF-DFT-26B	231.1228	329.9233	381.9701	189.6618	308.7518	261.1158	373.1486	431.3703	215.2441	350.2127	297.2839	424.3132	490.4743	245.2371	398.7309	324.6304	463.1277	534.5817	268.1730	435.7811	371.3843	528.4066	608.6821	307.8696	496.6493	426.0775	601.6249	691.6040	352.8592	566.3390	486.9457	685.4289	786.8760	404.0238	645.7323	532.8174	747.1795	857.4478	442.8383	704.8382	614.8571	859.2121	985.3592	512.5280	811.5761	603.3890	468.4206	665.1895	576.0428

COOLING TECHNOLOGY INSTITUTE

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Classik Cooling Towers
CCF-SQS CTI Certified Cooling Towers
CTI Certification Validation Number C119A-21R00
August 18, 2021 (Revision 0)

CCF-SQS-33A	CCF-SQS-96A
CCF-SQS-33B	CCF-SQS-96B
CCF-SQS-42A	CCF-SQS-96C
CCF-SQS-42B	CCF-SQS-105A
CCF-SQS-51A	CCF-SQS-105B
CCF-SQS-51B	CCF-SQS-114A
CCF-SQS-60A	CCF-SQS-114B
CCF-SQS-60B	CCF-SQS-123A
CCF-SQS-78A	CCF-SQS-123B
CCF-SQS-78B	CCF-SQS-132A
CCF-SQS-78C	CCF-SQS-132B
CCF-SQS-87A	
CCF-SQS-87B	

See Footnotes, Last Page

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Classik Cooling Towers
CCF-SQS CTI Certified Cooling Towers
CTI Certification Validation Number C119A-21R00
August 18, 2021 (Revision 0)

Footnotes:

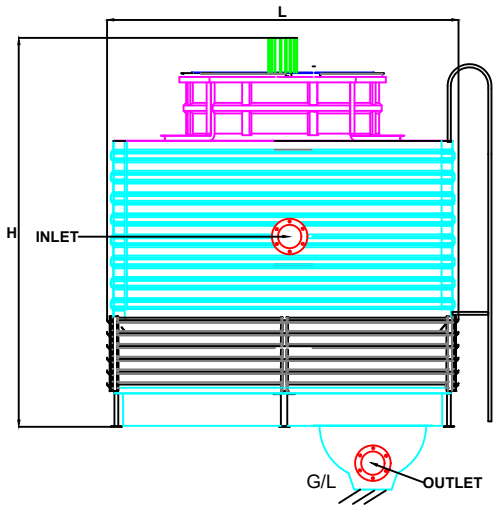
1. Two to six cell, inline, combinations of the primary single cell models, listed above, are included in the certificaion.
2. Certification includes units with optional gear drive in place of standard belt drive. (Add Suffix G)
3. Certification includes alternate materials of construction are available with the following suffix designations:
    - Blank: Indicates MS HDG Structural (Standard)
    - Suffix P: Pultruded Structural
    - Suffix S4: Stainless Steel 304 Structural
    - Suffix S6: Stainless Steel 316 Structural
4. Certification includes alternate non-basin option (add Suffix NB)
5. Certification includes other options which do not affect Cooling Tower capacity do not require a suffix added to the model number. (No Suffix)
6. Motors are Cooling Tower rated, Premium Efficiency suitable for use with variable frequency drives. Enclosures are TEFC or TEAO. 208-230/380/415/460 electrical service.
7. Inlet and outlet connections are either flanged, grooved for mechanical coupling or beveled for welding.

Example Model Number: CCF-SQS-87A-2/G/P/NB

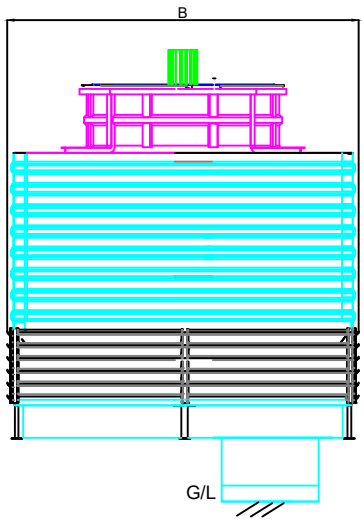
CCF-SQS:	Indicates Line Designation
87A:	Indicates Model Number
-2:	Indicates two cell arrangement of the primary certified model (capacity equals 2 times rated capacity)
/G:	Includes optional gear drive
/P:	Indicates Pultruded Structural
/NB:	Indicates Non Basin

C 119A-21R00

CTI CERTIFIED CCF-SQS SERIES COOLING TOWERS



VIEW- A



VIEW- B

MODEL	L(mm)	B(mm)	H(mm)	MOTOR (KW)	INLET(Inch)	OUTLET(Inch)	SHIPPING WEIGHT(Kg)
CCF-SQS-33A	1980	1980	2550	2.25	4	4	350
CCF-SQS-33B	1980	1980	2625	2.25	4	4	380
CCF-SQS-42A	2330	2330	2750	3.75	5	5	550
CCF-SQS-42B	2330	2330	2920	3.75	5	5	560
CCF-SQS-51A	2630	2630	3000	3.75	5	5	750
CCF-SQS-51B	2630	2630	3350	3.75	5	5	800
CCF-SQS-60A	2930	2930	3420	5.6	6	6	980
CCF-SQS-60B	2930	2930	3670	5.6	6	6	1080
CCF-SQS-78A	3330	3330	3655	5.6	8	8	1150
CCF-SQS-78B	3330	3330	3695	7.5		8	1200
CCF-SQS-78C	3330	3330	3835	7.5	8	8	1350
CCF-SQS-87A	3580	3580	3680	7.5	8	8	1400
CCF-SQS-87B	3580	3580	3680	9.37	8	8	1500
CCF-SQS-96A	3780	3780	3880	9.37	8	8	1600
CCF-SQS-96B	3780	3780	3880	11.25	8	8	1650
CCF-SQS-96C	3780	3780	3880	9.37	8	8	1700
CCF-SQS-105A	4180	4180	4140	11.25	8	8	1900
CCF-SQS-105B	4180	4180	4510	11.25	8	8	2000
CCF-SQS-114A	4680	4680	4510	11.25	10	10	2100
CCF-SQS-114B	4680	4680	4530	15	10	10	2150
CCF-SQS-123A	5380	5380	4850	15	6X2	12	3100
CCF-SQS-123B	5380	5380	4870	18.75	6X2	12	3200
CCF-SQS-132A	5930	5930	4795	18.75	8X2	12	3350
CCF-SQS-132B	5930	5930	4845	22.5	8X2	12	3400

- The above models have the similar configuration of FRP casing, HDG structural, SS304 fasteners and HDG access ladder.
- Till model no:CCF-SQS-60B, Outlet flange will be at bottom of the FRP sump from VIEW-A.
- All dimensions mentioned above are with basin.
- The height may vary, while selecting the outlet size by client.

Classik Cooling Towers CCF-SQS Line Selection R0 Single Cell Models All Flows in CMH

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22
CCF-SQS-33A	17.97	25.57	29.57	15.00	24.21	20.39	29.01	33.53	17.05	27.52	23.27	33.04	38.20	19.49	31.43	25.47
CCF-SQS-33B	19.16	27.26	31.53	15.99	25.81	21.74	30.93	35.75	18.18	29.34	24.81	35.23	40.73	20.78	33.51	27.16
CCF-SQS-42A	26.70	37.99	43.94	22.29	35.97	30.30	43.10	49.82	25.33	40.89	34.57	49.09	56.76	28.96	46.70	37.84
CCF-SQS-42B	27.94	39.76	45.98	23.32	37.64	31.70	45.11	52.13	26.51	42.79	36.18	51.37	59.39	30.30	48.87	39.60
CCF-SQS-51A	31.82	45.28	52.36	26.56	42.87	36.11	51.37	59.37	30.19	48.73	41.20	58.50	67.64	34.51	55.65	45.10
CCF-SQS-51B	33.96	48.32	55.88	28.35	45.75	38.53	54.82	63.37	32.22	52.01	43.98	62.44	72.19	36.83	59.40	48.13
CCF-SQS-60A	39.16	55.72	64.44	32.69	52.76	44.43	63.22	73.07	37.16	59.97	50.71	72.00	83.24	42.47	68.49	55.50
CCF-SQS-60B	42.66	60.70	70.20	35.61	57.47	48.40	68.87	79.60	40.48	65.33	55.24	78.44	90.69	46.27	74.61	60.46
CCF-SQS-78A	53.50	76.13	88.04	44.66	72.08	60.70	86.37	99.82	50.76	81.93	69.28	98.37	113.73	58.03	93.57	75.83
CCF-SQS-78B	55.77	79.36	91.77	46.55	75.14	63.28	90.03	104.06	52.91	85.41	72.22	102.54	118.55	60.49	97.54	79.05
CCF-SQS-78C	58.56	83.33	96.36	48.88	78.89	66.45	94.54	109.27	55.56	89.68	75.83	107.67	124.48	63.51	102.42	83.00
CCF-SQS-87A	61.32	87.25	100.90	51.19	82.61	69.58	98.99	114.42	58.18	93.91	79.41	112.74	130.35	66.51	107.25	86.91
CCF-SQS-87B	70.68	100.57	116.31	59.00	95.22	80.20	114.10	131.88	67.06	108.24	91.53	129.95	150.25	76.66	123.62	100.18
CCF-SQS-96A	74.09	105.42	121.92	61.84	99.82	84.07	119.61	138.24	70.30	113.46	95.94	136.22	157.50	80.36	129.59	105.01
CCF-SQS-96B	76.94	109.48	126.61	64.22	103.66	87.30	124.21	143.56	73.00	117.83	99.63	141.46	163.56	83.45	134.57	109.05
CCF-SQS-96C	78.49	111.69	129.16	65.52	105.75	89.06	126.71	146.45	74.47	120.20	101.64	144.31	166.85	85.13	137.28	111.25
CCF-SQS-105A	90.71	129.07	149.27	75.72	122.21	102.93	146.44	169.25	86.07	138.92	117.46	166.78	192.83	98.38	158.65	128.57
CCF-SQS-105B	92.58	131.73	152.34	77.28	124.73	105.05	149.46	172.74	87.84	141.78	119.89	170.22	196.80	100.41	161.92	131.22
CCF-SQS-114A	105.27	149.79	173.22	87.87	141.82	119.45	169.94	196.42	99.88	161.21	136.32	193.55	223.78	114.17	184.12	149.21
CCF-SQS-114B	111.95	167.83	194.09	98.46	158.91	133.83	190.41	220.08	111.91	180.63	152.74	216.87	250.73	127.93	206.30	167.18
CCF-SQS-123A	140.02	199.24	230.41	116.88	188.64	158.88	226.04	261.26	132.85	214.43	181.32	257.44	297.65	151.86	244.90	198.46
CCF-SQS-123B	147.24	209.51	242.29	122.90	198.37	167.07	237.70	274.73	139.70	225.49	190.67	270.72	313.00	159.69	257.53	208.69
CCF-SQS-132A	170.88	243.15	281.19	142.64	230.22	193.89	275.86	318.84	162.13	261.69	221.28	314.18	363.25	185.33	298.87	242.20
CCF-SQS-132B	180.32	256.58	296.72	150.52	242.94	204.60	291.10	336.46	171.09	276.15	233.50	331.54	383.32	195.57	315.38	255.58

Condition Reference #	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Wet Bulb °C	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27
Range °C	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6
Approach °C	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7
Inlet Water Temperature °C	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40
Outlet Water Temperature °C	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34
CCF-SQS-33A	36.13	41.79	21.35	34.42	29.23	41.42	47.82	24.56	39.51	33.68	47.61	54.91	28.35	45.50	38.89	54.82	63.16
CCF-SQS-33B	38.52	44.56	22.76	36.70	31.17	44.16	50.99	26.19	42.13	35.91	50.76	58.55	30.23	48.51	41.47	58.45	67.34
CCF-SQS-42A	53.68	62.09	31.72	51.14	43.43	61.54	71.05	36.49	58.70	50.04	70.74	81.59	42.12	67.60	57.78	81.45	93.84
CCF-SQS-42B	56.18	64.98	33.20	53.52	45.45	64.40	74.35	38.19	61.43	52.37	74.02	85.37	44.08	70.74	60.47	85.23	98.20
CCF-SQS-51A	63.98	74.00	37.81	60.95	51.76	73.34	84.68	43.49	69.96	59.64	84.30	97.23	50.20	80.57	68.86	97.07	111.84
CCF-SQS-51B	68.28	78.98	40.35	65.05	55.24	78.28	90.37	46.41	74.67	63.65	89.97	103.77	53.58	85.99	73.49	103.60	119.36
CCF-SQS-60A	78.73	91.07	46.53	75.01	63.70	90.26	104.21	53.52	86.10	73.40	103.75	119.66	61.78	99.15	84.75	119.46	137.64
CCF-SQS-60B	85.77	99.21	50.68	81.71	69.39	98.33	113.52	58.30	93.80	79.95	113.02	130.35	67.30	108.02	92.32	130.14	149.94
CCF-SQS-78A	107.57	124.42	63.56	102.47	87.02	123.31	142.37	73.12	117.63	100.27	141.74	163.48	84.40	135.46	115.78	163.21	188.04
CCF-SQS-78B	112.13	129.70	66.26	106.82	90.72	128.55	148.41	76.22	122.62	104.53	147.76	170.41	87.98	141.21	120.70	170.13	196.02
CCF-SQS-78C	117.74	136.18	69.57	112.17	95.25	134.98	155.83	80.04	128.75	109.76	155.15	178.94	92.39	148.27	126.73	178.65	205.82
CCF-SQS-87A	123.29	142.60	72.85	117.45	99.74	141.34	163.18	83.81	134.82	114.93	162.46	187.37	96.74	155.26	132.71	187.07	215.52
CCF-SQS-87B	142.11	164.37	83.97	135.38	114.97	162.91	188.09	96.60	155.40	132.47	187.26	215.97	111.51	178.96	152.96	215.62	248.42
CCF-SQS-96A	148.96	172.30	88.03	141.91	120.51	170.77	197.16	101.26	162.90	138.86	196.30	226.39	116.89	187.60	160.34	226.02	260.41
CCF-SQS-96B	154.69	178.93	91.41	147.37	125.15	177.34	204.75	105.16	169.17	144.20	203.85	235.10	121.38	194.81	166.51	234.72	270.42
CCF-SQS-96C	157.81	182.53	93.25	150.34	127.67	180.92	208.87	107.27	172.57	147.11	207.95	239.84	123.83	198.74	169.87	239.44	275.87
CCF-SQS-105A	182.38	210.95	107.77	173.75	147.55	209.08	241.39	123.98	199.44	170.01	240.33	277.18	143.11	229.68	196.31	276.72	318.82
CCF-SQS-105B	186.14	215.30	109.99	177.33	150.59	213.39	246.36	126.53	203.55	173.52	245.28	282.89	146.06	234.41	200.36	282.43	325.40
CCF-SQS-114A	211.65	244.81	125.07	201.64	171.23	242.64	280.13	143.87	231.45	197.30	278.90	321.67	166.08	266.54	227.82	321.14	370.00
CCF-SQS-114B	237.15	274.30	140.14	225.92	191.86	271.87	313.88	161.20	259.33	221.07	312.50	360.41	186.08	298.65	255.26	359.82	414.56
CCF-SQS-123A	281.52	325.62	166.36	268.20	227.76	322.74	372.61	191.37	307.86	262.43	370.97	427.85	220.90	354.53	303.03	427.15	492.13
CCF-SQS-123B	296.04	342.41	174.93	282.03	239.50	339.38	391.82	201.24	323.73	275.96	390.10	449.91	232.29	372.81	318.65	449.18	517.51
CCF-SQS-132A	343.57	397.39	203.02	327.31	277.95	393.87	454.73	233.55	375.71	320.27	452.73	522.15	269.59	432.67	369.81	521.29	600.60
CCF-SQS-132B	362.55	419.34	214.24	345.39	293.31	415.63	479.85	246.45	396.46	337.96	477.74	550.99	284.48	456.57	390.24	550.09	633.78

Condition Reference #	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
CCF-SQS-33A	32.80	52.47	42.81	60.31	69.39	36.17	57.77	49.94	70.11	80.61	42.30	67.33	47.02	37.11	52.67	45.75
CCF-SQS-33B	34.97	55.94	45.64	64.30	73.99	38.57	61.60	53.25	74.75	85.95	45.10	71.79	50.13	39.57	56.16	48.78
CCF-SQS-42A	48.73	77.96	63.61	89.61	103.10	53.74	85.84	74.20	104.17	119.77	62.85	100.04	69.86	55.14	78.26	67.98
CCF-SQS-42B	51.00	81.58	66.56	93.77	107.89	56.24	89.82	77.65	109.01	125.33	65.77	104.69	73.11	57.70	81.89	71.13
CCF-SQS-51A	58.08	92.91	75.80	106.79	122.87	64.05	102.30	88.43	124.15	142.74	74.90	119.22	83.26	65.71	93.26	81.01
CCF-SQS-51B	61.99	99.16	80.90	113.97	131.13	68.35	109.17	94.38	132.50	152.34	79.94	127.24	88.86	70.13	99.54	86.46
CCF-SQS-60A	71.48	114.34	93.29	131.43	151.21	78.82	125.89	108.83	152.78	175.66	92.18	146.72	102.47	80.87	114.78	99.70
CCF-SQS-60B	77.87	124.56	101.63	143.17	164.73	85.87	137.14	118.56	166.44	191.36	100.42	159.84	111.62	88.10	125.04	108.61
CCF-SQS-78A	97.65	156.21	127.45	179.55	206.59	107.68	171.99	148.68	208.73	239.99	125.93	200.45	139.99	110.48	156.81	136.21
CCF-SQS-78B	101.79	162.84	132.86	187.17	215.35	112.25	179.29	154.99	217.59	250.17	131.28	208.96	145.93	115.17	163.46	141.99
CCF-SQS-78C	106.89	170.99	139.51	196.54	226.13	117.87	188.26	162.74	228.47	262.69	137.85	219.41	153.23	120.93	171.64	149.09
CCF-SQS-87A	111.93	179.05	146.08	205.80	236.78	123.42	197.13	170.41	239.24	275.07	144.34	229.75	160.45	126.63	179.73	156.12
CCF-SQS-87B	129.01	206.38	168.38	237.21	272.93	142.26	227.22	196.43	275.76	317.06	166.38	264.82	184.94	145.96	207.16	179.94
CCF-SQS-96A	135.23	216.33	176.50	248.66	286.09	149.13	238.18	205.90	289.06	332.35	174.40	277.60	193.86	153.00	217.16	188.63
CCF-SQS-96B	140.44	224.65	183.29	258.22	297.10	154.86	247.35	213.82	300.18	345.14	181.11	288.28	201.32	158.89	225.51	195.88
CCF-SQS-96C	143.26	229.18	186.99	263.42	303.08	157.98	252.33	218.13	306.23	352.09	184.76	294.09	205.38	162.09	230.05	199.83
CCF-SQS-105A	165.57	264.86	216.10	304.44	350.27	182.58	291.61	252.09	353.91	406.91	213.52	339.87	237.35	187.33	265.87	230.94
CCF-SQS-105B	168.98	270.32	220.55	310.71	357.49	186.34	297.63	257.29	361.20	415.30	217.93	346.88	242.24	191.19	271.35	235.70
CCF-SQS-114A	192.15	307.37	250.79	353.30	406.49	211.89	338.42	292.55	410.71	472.22	247.80	394.43	275.45	217.39	308.55	268.01
CCF-SQS-114B	215.29	344.40	280.99	395.86	455.46	237.41	379.19	327.79	460.18	529.10	277.65	441.94	308.63	243.58	345.71	300.29
CCF-SQS-123A	255.57	408.84	333.57	469.93	540.68	281.83	450.14	389.13	546.29	628.10	329.60	524.63	366.37	289.16	410.40	356.48
CCF-SQS-123B	268.75	429.92	350.77	494.16	568.56	296.36	473.35	409.19	574.46	660.49	346.59	551.68	385.27	304.07	431.56	374.86
CCF-SQS-132A	311.90	498.95	407.09	573.50	659.84	343.95	549.35	474.89	666.69	766.54	402.24	640.25	447.12	352.89	500.85	435.05
CCF-SQS-132B	329.13	526.51	429.58	605.18	696.29	362.95	579.69	501.12	703.52	808.88	424.46	675.62	471.82	372.38	528.52	459.08

Classik Cooling Towers CCF-SQS Line Selection R0 Two Cell Models All Flows in CMH

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22
CCF-SQS-33A	35.09	50.00	57.83	29.50	47.31	39.80	56.71	65.57	33.28	53.79	45.44	64.66	74.72	38.04	61.50	49.76
CCF-SQS-33B	37.23	53.05	61.36	31.30	50.20	42.23	60.17	69.57	35.31	57.07	48.21	68.60	79.28	40.36	65.25	52.79
CCF-SQS-42A	52.50	74.81	86.52	44.14	70.78	59.55	84.85	98.10	49.79	80.48	67.99	96.74	111.79	56.91	92.01	74.45
CCF-SQS-42B	54.81	78.10	90.33	46.08	73.90	62.17	88.58	102.42	51.98	84.02	70.98	101.00	116.71	59.42	96.06	77.72
CCF-SQS-51A	62.58	89.17	103.13	52.61	84.37	70.98	101.14	116.94	59.35	95.93	81.04	115.32	133.26	67.84	109.68	88.74
CCF-SQS-51B	66.56	94.84	109.69	55.96	89.74	75.49	107.57	124.38	63.13	102.03	86.19	122.65	141.73	72.16	116.66	94.39
CCF-SQS-60A	76.36	108.81	125.84	64.20	102.95	86.61	123.41	142.69	72.42	117.05	98.88	140.71	162.60	82.78	133.83	108.28
CCF-SQS-60B	83.46	118.92	137.55	70.16	112.52	94.66	134.88	155.96	79.15	127.94	108.08	153.79	177.72	90.48	146.28	118.35
CCF-SQS-78A	104.68	149.16	172.52	88.00	141.13	118.73	169.18	195.61	99.28	160.47	135.56	192.89	222.90	113.48	183.47	148.44
CCF-SQS-78B	109.11	155.47	179.82	91.73	147.11	123.76	176.34	203.89	103.48	167.26	141.29	201.06	232.34	118.28	191.23	154.73
CCF-SQS-78C	114.18	162.70	188.17	95.99	153.94	129.51	184.53	213.36	108.29	175.03	147.86	210.40	243.13	123.78	200.12	161.91
CCF-SQS-87A	120.70	171.99	198.92	101.47	162.73	136.90	195.07	225.54	114.47	185.02	156.30	222.41	257.02	130.85	211.54	171.16
CCF-SQS-87B	139.11	198.22	229.26	116.95	187.55	157.78	224.82	259.94	131.93	213.24	180.14	256.34	296.22	150.80	243.81	197.27
CCF-SQS-96A	145.73	207.65	240.17	122.51	196.48	165.29	235.52	272.31	138.21	223.39	188.71	268.54	310.31	157.98	255.41	206.66
CCF-SQS-96B	151.37	215.69	249.47	127.26	204.08	171.69	244.63	282.85	143.56	232.04	196.02	278.93	322.32	164.10	265.30	214.65
CCF-SQS-96C	153.92	219.32	253.67	129.40	207.52	174.58	248.75	287.62	145.98	235.95	199.32	283.63	327.75	166.86	269.77	218.27
CCF-SQS-105A	178.68	254.60	294.47	150.22	240.90	202.66	288.77	333.89	169.46	273.90	231.38	329.25	380.48	193.70	313.16	253.38
CCF-SQS-105B	182.09	259.46	300.09	153.08	245.50	206.53	294.28	340.26	172.70	279.13	235.80	335.54	387.74	197.40	319.14	258.22
CCF-SQS-114A	208.18	296.64	343.09	175.02	280.68	236.12	336.45	389.01	197.44	319.12	269.58	383.61	443.29	225.68	364.86	295.21
CCF-SQS-114B	219.81	313.21	362.26	184.79	296.36	249.31	355.24	410.74	208.47	336.95	284.64	405.04	468.06	238.29	385.25	311.71
CCF-SQS-123A	279.00	397.55	459.81	234.55	376.16	316.45	450.90	521.35	264.61	427.68	361.29	514.11	594.10	302.46	488.99	395.64
CCF-SQS-123B	290.00	413.22	477.93	243.80	390.99	328.93	468.68	541.90	275.04	444.55	375.54	534.38	617.52	314.38	508.26	411.24
CCF-SQS-132A	343.00	488.74	565.28	288.36	462.45	389.04	554.33	640.94	325.31	525.79	444.17	632.04	730.38	371.84	601.15	486.40
CCF-SQS-132B	355.00	505.84	585.06	298.45	478.63	402.65	573.73	663.36	336.69	544.18	459.71	654.16	755.93	384.84	622.19	503.41

Condition Reference #	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Wet Bulb °C	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27
Range °C	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6
Approach °C	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7
Inlet Water Temperature °C	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40
Outlet Water Temperature °C	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34
CCF-SQS-33A	70.71	81.71	41.70	67.33	57.13	81.03	93.61	47.98	77.32	65.86	93.21	107.57	55.41	89.06	76.06	107.46	123.85
CCF-SQS-33B	75.02	86.69	44.24	71.44	60.61	85.97	99.32	50.91	82.04	69.88	98.89	114.13	58.79	94.49	80.70	114.01	131.40
CCF-SQS-42A	105.79	122.25	62.39	100.74	85.48	121.23	140.05	71.79	115.68	98.54	139.46	160.94	82.90	133.25	113.80	160.78	185.30
CCF-SQS-42B	110.45	127.63	65.13	105.17	89.24	126.57	146.22	74.94	120.77	102.87	145.59	168.02	86.55	139.11	118.80	167.85	193.45
CCF-SQS-51A	126.11	145.72	74.37	120.08	101.89	144.51	166.95	85.57	137.89	117.46	166.23	191.84	98.82	158.83	135.65	191.65	220.88
CCF-SQS-51B	134.13	154.99	79.10	127.71	108.37	153.70	177.56	91.01	146.66	124.93	176.80	204.04	105.10	168.93	144.27	203.83	234.92
CCF-SQS-60A	153.87	177.81	90.74	146.52	124.32	176.33	203.71	104.41	168.26	143.32	202.84	234.09	120.58	193.81	165.52	233.85	269.51
CCF-SQS-60B	168.18	194.34	99.18	160.14	135.88	192.73	222.65	114.12	183.90	156.65	221.70	255.85	131.79	211.83	180.91	255.59	294.57
CCF-SQS-78A	210.94	243.76	124.40	200.86	170.43	241.73	279.26	143.13	230.66	196.47	278.06	320.90	165.30	265.68	226.90	320.57	369.47
CCF-SQS-78B	219.87	254.07	129.66	209.36	177.64	251.96	291.07	149.19	240.42	204.79	289.83	334.48	172.29	276.93	236.50	334.14	385.10
CCF-SQS-78C	230.08	265.88	135.69	219.09	185.90	263.67	304.60	156.12	251.59	214.30	303.30	350.02	180.30	289.79	247.49	349.67	403.00
CCF-SQS-87A	243.22	281.06	143.44	231.60	196.51	278.72	321.99	165.04	265.96	226.54	320.62	370.01	190.60	306.34	261.63	369.63	426.01
CCF-SQS-87B	280.32	323.93	165.31	266.92	226.48	321.23	371.11	190.21	306.53	261.09	369.52	426.45	219.67	353.07	301.53	426.01	490.99
CCF-SQS-96A	293.66	339.34	173.18	279.62	237.26	336.52	388.77	199.26	321.11	273.52	387.10	446.74	230.12	369.87	315.88	446.29	514.35
CCF-SQS-96B	305.03	352.48	179.88	290.45	246.45	349.54	403.81	206.97	333.54	284.10	402.09	464.03	239.03	384.18	328.10	463.56	534.26
CCF-SQS-96C	310.16	358.42	182.91	295.34	250.60	355.43	410.61	210.46	339.16	288.89	408.86	471.85	243.05	390.66	333.63	471.37	543.26
CCF-SQS-105A	360.06	416.07	212.34	342.85	290.91	412.61	476.67	244.32	393.72	335.36	474.63	547.75	282.15	453.50	387.30	547.19	630.65
CCF-SQS-105B	366.93	424.01	216.39	349.39	296.46	420.48	485.76	248.98	401.23	341.76	483.69	558.21	287.54	462.15	394.69	557.63	642.69
CCF-SQS-114A	419.50	484.76	247.40	399.45	338.94	480.73	555.36	284.65	458.72	390.73	552.99	638.19	328.73	528.37	451.24	637.53	734.77
CCF-SQS-114B	442.94	511.85	261.22	421.77	357.87	507.59	586.39	300.56	484.35	412.56	583.88	673.84	347.10	557.89	476.45	673.15	775.82
CCF-SQS-123A	562.21	649.67	331.56	535.34	454.24	644.27	744.29	381.49	614.77	523.65	741.11	855.29	440.56	708.11	604.75	854.41	984.73
CCF-SQS-123B	584.38	675.29	344.63	556.45	472.15	669.67	773.64	396.53	639.01	544.30	770.33	889.01	457.93	736.03	628.60	888.10	1023.55
CCF-SQS-132A	691.18	798.70	407.61	658.14	558.44	792.06	915.03	469.00	755.79	643.77	911.12	1051.48	541.63	870.55	743.48	1050.41	1210.62
CCF-SQS-132B	715.36	826.65	421.87	681.17	577.98	819.77	947.04	485.41	782.23	666.30	942.99	1088.27	560.57	901.01	769.49	1087.16	1252.97

Condition Reference #	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
CCF-SQS-33A	64.12	192.74	83.85	118.21	136.20	70.79	113.11	97.76	137.50	150.28	82.77	132.03	92.06	72.62	103.23	89.54
CCF-SQS-33B	68.03	204.49	88.96	125.42	144.51	75.11	120.01	103.72	145.89	159.44	87.82	140.08	97.67	77.05	109.53	95.00
CCF-SQS-42A	95.93	288.37	125.45	176.86	203.78	105.91	169.23	146.26	205.72	224.84	123.84	197.54	137.74	108.65	154.45	133.97
CCF-SQS-42B	100.15	301.06	130.97	184.64	212.74	110.57	176.68	152.70	214.77	234.73	129.29	206.23	143.80	113.43	161.24	139.86
CCF-SQS-51A	114.35	343.74	149.54	210.82	242.90	126.25	201.72	174.35	245.22	268.01	147.61	235.46	164.18	129.51	184.10	159.69
CCF-SQS-51B	121.63	365.60	159.05	224.23	258.35	134.28	214.55	185.43	260.82	285.06	157.00	250.44	174.62	137.75	195.81	169.84
CCF-SQS-60A	139.53	419.43	182.47	257.24	296.39	154.05	246.14	212.74	299.22	327.03	180.12	287.31	200.33	158.03	224.64	194.85
CCF-SQS-60B	152.51	458.42	199.43	281.16	323.95	168.37	269.03	232.52	327.04	357.43	196.86	314.03	218.96	172.72	245.53	212.97
CCF-SQS-78A	191.28	574.98	250.14	352.64	406.31	211.18	337.43	291.64	410.19	448.31	246.92	393.87	274.63	216.64	307.95	267.11
CCF-SQS-78B	199.38	599.31	260.73	367.57	423.50	220.12	351.71	303.98	427.55	467.29	257.37	410.54	286.25	225.81	320.99	278.42
CCF-SQS-78C	208.64	627.16	272.84	384.65	443.18	230.34	368.05	318.10	447.41	489.00	269.33	429.61	299.56	236.30	335.90	291.36
CCF-SQS-87A	220.56	662.97	288.42	406.61	468.49	243.50	389.07	336.27	472.96	516.92	284.71	454.15	316.66	249.79	355.08	307.99
CCF-SQS-87B	254.20	764.09	332.41	468.63	539.95	280.64	448.41	387.56	545.10	595.77	328.13	523.42	364.96	287.89	409.24	354.97
CCF-SQS-96A	266.29	800.46	348.23	490.93	565.64	293.99	469.75	406.00	571.04	624.12	343.75	548.33	382.33	301.59	428.72	371.86
CCF-SQS-96B	276.60	831.43	361.71	509.93	587.53	305.37	487.93	421.71	593.14	648.27	357.05	569.55	397.13	313.27	445.31	386.25
CCF-SQS-96C	281.26	845.44	367.80	518.52	597.43	310.52	496.15	428.82	603.13	659.19	363.07	579.14	403.82	318.54	452.81	392.76
CCF-SQS-105A	326.50	981.44	426.97	601.93	693.54	360.47	575.96	497.80	700.16	765.23	421.47	672.30	468.77	369.78	525.65	455.94
CCF-SQS-105B	332.73	1000.17	435.12	613.42	706.77	367.35	586.95	507.30	713.52	779.84	429.51	685.13	477.72	376.84	535.68	464.64
CCF-SQS-114A	380.41	1143.48	497.46	701.31	808.04	419.98	671.05	579.99	815.75	891.57	491.05	783.30	546.17	430.84	612.44	531.22
CCF-SQS-114B	401.66	1207.36	525.25	740.49	853.18	443.44	708.54	612.39	861.32	941.38	518.49	827.06	576.68	454.90	646.65	560.89
CCF-SQS-123A	509.82	1532.47	666.69	939.89	1082.92	562.85	899.34	777.29	1093.26	1194.87	658.10	1049.77	731.97	577.40	820.78	711.93
CCF-SQS-123B	529.92	1592.89	692.98	976.94	1125.62	585.04	934.79	807.93	1136.36	1241.98	684.05	1091.16	760.83	600.17	853.14	740.00
CCF-SQS-132A	626.76	1884.01	819.62	1155.49	1331.34	691.96	1105.63	955.59	1344.04	1468.97	809.07	1290.58	899.87	709.85	1009.06	875.24
CCF-SQS-132B	648.69	1949.92	848.30	1195.91	1377.91	716.17	1144.32	989.02	1391.07	1520.36	837.37	1335.73	931.36	734.69	1044.36	905.86

Classik Cooling Towers CCF-SQS Line Selection R0 Three Cell Models All Flows in CMH

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22
CCF-SQS-33A	51.91	73.98	85.60	44.57	20.01	58.89	83.94	97.14	49.23	79.64	67.25	95.74	110.65	56.28	91.06	73.64
CCF-SQS-33B	54.93	78.28	90.58	47.16	21.17	62.32	88.82	102.79	52.09	84.27	71.16	101.31	117.09	59.55	96.36	77.92
CCF-SQS-42A	77.99	111.15	128.61	66.96	30.06	88.48	126.11	145.94	73.96	119.65	101.04	143.84	166.24	84.56	136.81	110.64
CCF-SQS-42B	81.29	115.85	134.05	69.80	31.34	92.22	131.45	152.12	77.09	124.71	105.31	149.93	173.28	88.13	142.60	115.32
CCF-SQS-51A	92.95	132.47	153.28	79.81	35.83	105.45	150.30	173.94	88.15	142.60	120.42	171.43	198.13	100.77	163.05	131.86
CCF-SQS-51B	98.62	140.55	162.63	84.68	38.02	111.88	159.47	184.55	93.53	151.30	127.76	181.89	210.22	106.92	173.00	139.90
CCF-SQS-60A	115.04	163.95	189.70	98.77	44.35	130.51	186.02	215.28	109.10	176.49	149.04	212.17	245.22	124.72	201.80	163.20
CCF-SQS-60B	123.63	176.19	203.87	106.15	47.66	140.25	199.91	231.35	117.25	189.67	160.16	228.02	263.53	134.04	216.87	175.38
CCF-SQS-78A	155.03	220.94	255.65	133.11	59.76	175.88	250.69	290.11	147.03	237.85	200.84	285.93	330.46	168.08	271.95	219.93
CCF-SQS-78B	161.57	230.26	266.43	138.72	62.28	183.30	261.26	302.35	153.23	247.88	209.32	297.99	344.40	175.17	283.42	229.20
CCF-SQS-78C	168.76	240.51	278.29	144.90	65.05	191.45	272.89	315.80	160.05	258.91	218.63	311.25	359.72	182.97	296.04	239.40
CCF-SQS-87A	179.38	255.65	295.80	154.02	69.15	203.50	290.06	335.68	170.12	275.20	232.39	330.84	382.36	194.48	314.67	254.47
CCF-SQS-87B	206.72	294.61	340.88	177.49	79.69	234.52	334.27	386.84	196.05	317.15	267.81	381.26	440.64	224.12	362.63	293.25
CCF-SQS-96A	216.43	308.40	356.82	185.84	83.50	245.52	349.91	404.91	205.26	331.99	280.36	399.08	461.21	234.64	379.58	306.98
CCF-SQS-96B	224.85	320.45	370.78	193.06	86.67	255.08	363.59	420.77	213.24	344.96	291.30	414.70	479.28	243.78	394.43	318.97
CCF-SQS-96C	228.00	324.94	375.97	195.76	87.89	258.66	368.68	426.66	216.23	349.80	295.38	420.51	486.00	247.19	399.96	323.44
CCF-SQS-105A	266.00	379.09	438.64	228.39	102.54	301.77	430.13	497.77	252.27	408.10	344.61	490.60	567.00	288.39	466.61	377.35
CCF-SQS-105B	271.00	386.22	446.88	232.68	104.46	307.44	438.21	507.13	257.01	415.77	351.08	499.82	577.66	293.81	475.39	384.44
CCF-SQS-114A	313.00	446.07	516.14	268.74	120.65	355.09	506.13	585.72	296.84	480.20	405.50	577.28	667.18	339.35	549.06	444.02
CCF-SQS-114B	326.00	464.60	537.58	279.90	125.66	369.84	527.15	610.05	309.17	500.15	422.34	601.26	694.89	353.44	571.87	462.47
CCF-SQS-123A	418.00	595.72	689.29	358.90	161.13	474.21	675.92	782.21	396.42	641.29	541.52	770.94	891.00	453.19	733.25	592.98
CCF-SQS-123B	432.00	615.67	712.37	370.92	166.53	490.09	698.56	808.41	409.70	662.77	559.66	796.76	920.84	468.37	757.81	612.84
CCF-SQS-132A	511.00	728.26	842.64	438.75	196.98	579.71	826.30	956.24	484.62	783.97	662.01	942.46	1089.23	554.02	896.39	724.91
CCF-SQS-132B	527.00	751.06	869.03	452.48	203.15	597.86	852.17	986.18	499.79	808.52	682.73	971.97	1123.34	571.37	924.46	747.61

Condition Reference #	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
Wet Bulb °C	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27
Range °C	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6
Approach °C	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7
Inlet Water Temperature °C	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40
Outlet Water Temperature °C	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34
CCF-SQS-33A	104.68	120.99	61.70	99.69	84.59	120.06	138.73	70.99	114.51	97.51	138.07	159.46	82.00	139.96	112.64	159.16	183.58
CCF-SQS-33B	110.77	128.03	65.29	105.49	89.51	127.04	146.80	75.12	121.17	103.18	146.10	168.74	86.77	148.10	119.19	168.42	194.26
CCF-SQS-42A	157.27	181.78	92.70	149.78	127.09	180.38	208.43	106.66	172.04	146.50	207.44	239.57	123.20	210.28	169.23	239.12	275.81
CCF-SQS-42B	163.93	189.47	96.62	156.11	132.47	188.01	217.25	111.17	179.32	152.70	216.21	249.71	128.41	219.17	176.39	249.24	287.48
CCF-SQS-51A	187.44	216.64	110.48	178.50	151.47	214.98	248.41	127.11	205.04	174.60	247.23	285.53	146.83	250.61	201.69	284.99	328.72
CCF-SQS-51B	198.87	229.86	117.22	189.39	160.71	228.09	263.56	134.87	217.55	185.25	262.31	302.95	155.79	265.90	214.00	302.38	348.77
CCF-SQS-60A	231.99	268.13	136.74	220.93	187.46	266.07	307.45	157.32	253.77	216.10	305.98	353.39	181.72	310.17	249.63	352.72	406.84
CCF-SQS-60B	249.31	288.15	146.95	237.42	201.46	285.94	330.40	169.07	272.72	232.23	328.83	379.77	195.29	333.33	268.27	379.06	437.22
CCF-SQS-78A	312.63	361.34	184.27	297.73	252.63	358.56	414.32	212.01	341.99	291.22	412.35	476.23	244.89	417.99	336.40	475.33	548.26
CCF-SQS-78B	325.82	376.58	192.04	310.29	263.29	373.69	431.80	220.96	356.41	303.50	429.74	496.32	255.23	435.63	350.59	495.39	571.39
CCF-SQS-78C	340.32	393.34	200.59	324.09	275.00	390.32	451.01	230.79	372.27	317.01	448.87	518.41	266.58	455.01	366.19	517.43	596.82
CCF-SQS-87A	361.73	418.09	213.21	344.49	292.31	414.88	479.39	245.31	395.70	336.96	477.11	551.03	283.36	483.65	389.24	549.99	634.38
CCF-SQS-87B	416.86	481.82	245.71	396.99	336.86	478.11	552.46	282.70	456.01	388.31	549.83	635.01	326.55	557.36	448.56	633.82	731.07
CCF-SQS-96A	436.33	504.30	257.23	415.54	352.61	500.43	578.23	295.94	477.30	406.45	575.48	664.61	341.82	583.35	469.50	663.36	765.13
CCF-SQS-96B	453.43	524.07	267.26	431.81	366.40	520.04	600.91	307.50	496.00	422.37	598.06	690.71	355.19	606.24	487.90	689.41	795.18
CCF-SQS-96C	459.78	531.41	271.00	437.86	371.54	527.33	609.33	311.80	502.95	428.29	606.43	700.38	360.16	614.73	494.74	699.07	806.32
CCF-SQS-105A	536.41	619.98	316.17	510.84	433.46	615.22	710.89	363.77	586.78	499.67	707.51	817.11	420.19	717.19	577.20	815.58	940.71
CCF-SQS-105B	546.49	631.64	322.11	520.44	441.61	626.78	724.25	370.61	597.81	509.06	720.80	832.47	428.09	730.67	588.05	830.91	958.39
CCF-SQS-114A	631.19	729.53	372.03	601.10	510.05	723.92	836.50	428.05	690.46	587.95	832.52	961.49	494.43	843.91	679.18	959.68	1106.93
CCF-SQS-114B	657.40	759.83	387.48	626.06	531.23	753.99	871.24	445.82	719.13	612.37	867.09	1001.42	514.97	878.96	707.39	999.54	1152.90
CCF-SQS-123A	842.93	974.26	496.83	802.74	681.15	966.77	1117.11	571.64	922.08	785.19	1111.79	1284.04	660.30	1127.01	907.02	1281.62	1478.26
CCF-SQS-123B	871.16	1006.89	513.47	829.63	703.97	999.15	1154.52	590.79	952.96	811.49	1149.03	1327.04	682.41	1164.76	937.40	1324.54	1527.77
CCF-SQS-132A	1030.47	1191.02	607.37	981.34	832.70	1181.87	1365.65	698.82	1127.23	959.88	1359.16	1569.72	807.20	1377.76	1108.82	1566.76	1807.15
CCF-SQS-132B	1062.73	1228.31	626.39	1012.07	858.77	1218.87	1408.41	720.70	1162.53	989.94	1401.71	1618.87	832.48	1420.90	1143.54	1615.82	1863.74

Condition Reference #	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
CCF-SQS-33A	94.93	152.28	124.19	175.18	201.91	104.71	167.68	144.83	204.20	235.00	122.61	195.86	136.38	107.53	152.97	132.62
CCF-SQS-33B	100.45	161.14	131.42	185.37	213.66	110.80	177.44	153.26	216.08	248.67	129.74	207.25	144.31	113.79	161.87	140.34
CCF-SQS-42A	142.62	228.79	186.58	263.19	303.35	157.32	251.92	217.59	306.79	353.07	184.21	294.26	204.90	161.55	229.82	199.25
CCF-SQS-42B	148.66	238.47	194.48	274.33	316.19	163.97	262.58	226.80	319.77	368.01	192.00	306.71	213.57	168.39	239.55	207.68
CCF-SQS-51A	169.98	272.67	222.37	313.68	361.54	187.49	300.25	259.33	365.64	420.79	219.55	350.71	244.20	192.54	273.91	237.47
CCF-SQS-51B	180.35	289.31	235.94	332.81	383.59	198.93	318.56	275.15	387.94	446.46	232.94	372.10	259.10	204.29	290.62	251.96
CCF-SQS-60A	210.38	337.47	275.22	388.22	447.46	232.05	371.60	320.96	452.54	520.79	271.72	434.05	302.24	238.30	339.00	293.90
CCF-SQS-60B	226.09	362.67	295.77	417.21	480.87	249.38	399.35	344.93	486.33	559.68	292.01	466.46	324.81	256.10	364.32	315.85
CCF-SQS-78A	283.51	454.79	370.90	523.18	603.01	312.72	500.78	432.54	609.85	701.83	366.18	584.94	407.30	321.14	456.85	396.07
CCF-SQS-78B	295.47	473.97	386.54	545.25	628.45	325.91	521.90	450.78	635.57	731.44	381.62	609.61	424.48	334.69	476.12	412.78
CCF-SQS-78C	308.62	495.06	403.74	569.51	656.41	340.41	545.13	470.84	663.86	763.99	398.61	636.74	443.37	349.58	497.31	431.15
CCF-SQS-87A	328.04	526.22	429.15	605.35	697.72	361.84	579.43	500.47	705.63	812.07	423.69	676.81	471.27	371.58	528.60	458.28
CCF-SQS-87B	378.04	606.42	494.56	697.62	804.06	416.98	667.75	576.75	813.18	935.84	488.27	779.97	543.10	428.21	609.17	528.13
CCF-SQS-96A	395.70	634.69	517.64	730.12	841.51	436.46	698.87	603.65	851.05	979.40	511.05	816.30	568.43	448.21	637.57	552.77
CCF-SQS-96B	411.19	659.61	537.93	758.80	874.58	453.56	726.31	627.34	884.50	1017.91	531.09	848.37	590.73	465.77	662.59	574.45
CCF-SQS-96C	416.95	668.85	545.47	769.43	886.83	459.91	736.49	636.12	896.89	1032.17	538.53	860.26	599.01	472.30	671.88	582.50
CCF-SQS-105A	486.45	780.32	636.38	897.67	1034.64	536.56	859.23	742.15	1046.37	1204.20	628.28	1003.64	698.85	551.01	783.86	679.58
CCF-SQS-105B	495.59	794.99	648.34	914.54	1054.09	546.65	875.39	756.10	1066.04	1226.83	640.09	1022.50	711.98	561.37	798.59	692.35
CCF-SQS-114A	572.40	918.20	748.82	1056.28	1217.45	631.37	1011.05	873.28	1231.26	1416.97	739.30	1180.97	822.33	648.37	922.36	799.65
CCF-SQS-114B	596.17	956.33	779.93	1100.15	1268.02	657.59	1053.05	909.55	1282.40	1475.82	770.00	1230.02	856.48	675.30	960.67	832.87
CCF-SQS-123A	764.41	1226.22	1000.03	1410.62	1625.86	843.17	1350.23	1166.23	1644.30	1892.31	987.30	1577.14	1098.19	865.87	1231.78	1067.91
CCF-SQS-123B	790.02	1267.29	1033.52	1457.86	1680.31	871.41	1395.45	1205.29	1699.37	1955.69	1020.37	1629.97	1134.97	894.87	1273.03	1103.68
CCF-SQS-132A	934.49	1499.04	1222.52	1724.47	1987.59	1030.76	1650.64	1425.70	2010.14	2313.33	1206.97	1928.04	1342.52	1058.52	1505.83	1305.51
CCF-SQS-132B	963.75	1545.97	1260.80	1778.46	2049.83	1063.04	1702.32	1470.34	2073.08	2385.76	1244.76	1988.41	1384.56	1091.66	1552.98	1346.38

Classik Cooling Towers CCF-SQS Line Selection R0 Four Cell Models All Flows in CMH

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
CCF-SQS-33A	68.59	97.80	113.13	58.89	92.53	77.89	110.97	128.46	65.06	105.30	88.87	126.58	146.36	74.38	120.42	97.35	138.44	160.06	81.55	131.85	111.83	158.77	183.52	93.86	151.31	128.86	182.10	211.01	108.40	174.58	148.91	210.64	243.00	125.53	201.46	164.25	232.00	267.00	138.48	221.88	191.62	270.00	311.00	162.15	259.00	180.43	142.17	202.37	175.40
CCF-SQS-33B	72.48	103.35	216.25	112.57	176.87	148.89	212.12	245.55	124.36	201.28	169.88	241.96	279.77	142.18	230.18	186.08	264.63	305.96	155.88	252.03	213.76	303.49	350.80	179.41	289.23	246.32	348.08	403.35	207.21	333.71	284.64	402.64	464.50	239.95	385.09	313.96	443.47	510.37	264.70	424.12	366.28	516.11	594.48	309.95	495.08	344.89	271.76	386.83	335.28
CCF-SQS-42A	103.31	147.31	307.77	160.21	251.73	211.90	301.90	349.48	177.00	286.47	241.77	344.36	398.17	202.35	327.60	264.84	376.63	435.45	221.86	358.70	304.23	431.94	499.27	255.35	411.64	350.57	495.41	574.06	294.90	474.95	405.11	573.05	661.08	341.51	548.07	446.84	631.16	726.38	376.74	603.63	521.30	734.54	846.08	441.13	704.61	490.86	386.78	550.55	477.18
CCF-SQS-42B	107.61	153.44	314.93	163.94	257.58	216.83	308.92	357.61	181.11	293.13	247.40	352.37	407.44	207.06	335.22	271.00	385.39	445.57	227.02	367.04	311.31	441.98	510.88	261.29	421.21	358.72	506.93	587.41	301.76	485.99	414.53	586.38	676.46	349.45	560.82	457.24	645.84	743.27	385.50	617.67	533.43	751.62	865.76	451.39	721.00	502.28	395.77	563.36	488.28
CCF-SQS-51A	123.18	175.64	357.70	186.20	292.56	246.28	350.87	406.17	205.71	332.94	280.99	400.22	462.77	235.18	380.75	307.80	437.72	506.08	257.85	416.89	353.59	502.00	580.26	296.77	478.42	407.43	575.77	667.18	342.74	551.99	470.83	666.01	768.32	396.90	636.98	519.33	733.54	844.21	437.85	701.55	605.87	853.69	983.33	512.69	818.91	570.49	449.52	639.86	554.59
CCF-SQS-51B	130.58	186.19	381.00	198.33	311.63	262.32	373.73	432.63	219.11	354.63	299.30	426.30	492.92	250.50	405.56	327.86	466.24	539.06	274.65	444.05	376.63	534.71	618.07	316.11	509.59	433.98	613.28	710.65	365.07	587.96	501.50	709.40	818.38	422.76	678.48	553.17	781.34	899.21	466.38	747.26	645.35	909.32	1047.40	546.09	872.27	607.66	478.81	681.55	590.72
CCF-SQS-60A	153.40	218.73	450.28	234.39	368.29	310.02	441.68	511.29	258.95	419.11	353.72	503.81	582.54	296.05	479.29	387.47	551.02	637.07	324.58	524.79	445.10	631.93	730.44	373.58	602.24	512.88	724.79	839.86	431.45	694.86	592.69	838.38	967.18	499.63	801.85	653.74	923.40	1062.71	551.17	883.12	762.68	1074.65	1237.83	645.38	1030.86	718.14	565.86	805.47	698.12
CCF-SQS-60B	163.51	233.14	486.56	253.28	397.96	335.00	477.27	552.50	279.82	452.89	382.22	544.41	629.48	319.90	517.92	418.69	595.42	688.41	350.74	567.08	480.97	682.86	789.30	403.68	650.77	554.22	783.20	907.54	466.22	750.85	640.45	905.95	1045.12	539.89	866.46	706.43	997.81	1148.35	595.59	954.29	824.14	1161.25	1337.59	697.39	1113.94	776.01	611.46	870.38	754.38
CCF-SQS-78A	205.05	292.37	338.20	176.05	276.62	232.85	331.75	384.03	194.50	314.79	265.68	378.41	437.54	222.36	360.00	291.03	413.87	478.50	243.79	394.17	334.32	474.64	548.63	280.59	452.34	385.23	544.39	630.81	324.06	521.91	445.17	629.71	726.45	375.27	602.27	491.03	693.56	798.20	413.99	663.31	572.85	807.17	929.74	484.75	774.28	539.40	425.02	604.99	524.36
CCF-SQS-78B	213.72	304.74	352.50	183.50	288.31	242.70	345.77	400.27	202.72	328.10	276.91	394.41	456.04	231.76	375.22	303.33	431.37	498.73	254.10	410.83	348.45	494.71	571.83	292.46	471.47	401.52	567.41	657.49	337.76	543.97	463.99	656.33	757.17	391.14	627.73	511.79	722.89	831.95	431.49	691.36	597.07	841.29	969.05	505.24	807.02	562.20	442.99	630.57	546.53
CCF-SQS-78C	222.91	317.84	367.66	191.39	300.71	253.13	360.64	417.48	211.44	342.21	288.82	411.37	475.65	241.73	391.35	316.38	449.91	520.18	265.03	428.50	363.44	515.99	596.42	305.03	491.74	418.78	591.81	685.76	352.29	567.37	483.94	684.56	789.72	407.96	654.72	533.79	753.97	867.72	450.04	721.09	622.74	877.47	1010.72	526.97	841.72	586.38	462.04	657.68	570.03
CCF-SQS-87A	238.00	339.36	725.72	377.78	593.57	499.66	711.86	824.06	417.36	675.49	570.09	812.00	938.89	477.14	772.49	624.49	888.08	1026.77	523.14	845.81	717.38	1018.50	1177.27	602.11	970.64	826.63	1168.16	1353.61	695.38	1119.92	955.25	1351.24	1558.83	805.27	1292.35	1053.65	1488.26	1712.79	888.34	1423.34	1229.23	1732.03	1995.04	1040.18	1661.47	1157.45	912.01	1298.19	1125.18
CCF-SQS-87B	274.00	390.69	580.58	302.22	474.86	399.73	569.49	659.25	333.88	540.39	456.08	649.60	751.11	381.71	617.99	499.59	710.47	821.42	418.51	676.65	573.91	814.80	941.81	481.68	776.51	661.30	934.53	1082.89	556.30	895.93	764.20	1080.99	1247.06	644.21	1033.88	842.92	1190.61	1370.23	710.67	1138.68	983.38	1385.62	1596.03	832.14	1329.17	925.96	729.61	1038.55	900.14
CCF-SQS-96A	287.00	409.22	814.79	424.14	666.42	560.98	799.23	925.20	468.58	758.39	640.06	911.66	1054.12	535.70	867.29	701.14	997.07	1152.79	587.34	949.61	805.42	1143.50	1321.75	676.00	1089.77	928.08	1311.52	1519.74	780.72	1257.36	1072.48	1517.07	1750.14	904.09	1450.96	1182.96	1670.91	1922.99	997.36	1598.03	1380.09	1944.60	2239.89	1167.84	1865.37	1299.50	1023.94	1457.51	1263.27
CCF-SQS-96B	298.00	424.91	859.32	447.32	702.84	591.64	842.91	975.76	494.19	799.84	675.04	961.48	1111.73	564.98	914.69	739.46	1051.57	1215.79	619.44	1001.51	849.44	1205.99	1393.99	712.95	1149.33	978.80	1383.21	1602.80	823.39	1326.09	1131.10	1599.99	1845.79	953.51	1530.26	1247.62	1762.24	2028.09	1051.87	1685.37	1455.52	2050.88	2362.31	1231.67	1967.33	1370.52	1079.90	1537.17	1332.31
CCF-SQS-96C	302.00	430.61	865.92	450.75	708.24	596.18	849.38	983.26	497.98	805.98	680.23	968.87	1120.27	569.32	921.72	745.13	1059.64	1225.13	624.20	1009.20	855.97	1215.25	1404.69	718.42	1158.15	986.32	1393.83	1615.11	829.71	1336.27	1139.78	1612.28	1859.97	960.83	1542.01	1257.20	1775.77	2043.67	1059.95	1698.31	1466.69	2066.63	2380.45	1241.12	1982.43	1381.04	1088.19	1548.98	1342.54
CCF-SQS-105A	352.00	501.90	1029.20	535.75	841.80	708.61	1009.55	1168.67	591.89	957.97	808.50	1151.57	1331.52	676.67	1095.53	885.65	1259.46	1456.15	741.90	1199.51	1017.38	1444.42	1669.58	853.89	1376.55	1172.31	1656.66	1919.67	986.17	1588.25	1354.71	1916.31	2210.70	1142.01	1832.79	1494.27	2110.63	2429.04	1259.83	2018.56	1743.27	2456.33	2829.33	1475.17	2356.26	1641.47	1293.40	1841.07	1595.71
CCF-SQS-105B	358.00	510.46	1058.89	551.21	866.08	729.05	1038.68	1202.38	608.96	985.60	831.82	1184.78	1369.92	696.19	1127.13	911.19	1295.79	1498.16	763.31	1234.11	1046.72	1486.08	1717.74	878.53	1416.26	1206.13	1704.45	1975.05	1014.62	1634.06	1393.79	1971.58	2274.47	1174.96	1885.66	1537.37	2171.51	2499.11	1296.17	2076.79	1793.56	2527.19	2910.95	1517.72	2424.23	1688.82	1330.71	1894.18	1641.74
CCF-SQS-114A	415.00	591.73	1180.95	614.74	965.91	813.08	1158.40	1340.97	679.15	1099.21	927.70	1321.35	1527.83	776.44	1257.05	1016.22	1445.15	1670.84	851.29	1376.36	1167.38	1657.37	1915.74	979.79	1579.50	1345.15	1900.91	2202.70	1131.57	1822.41	1554.45	2198.84	2536.64	1310.39	2103.01	1714.58	2421.81	2787.17	1445.57	2316.17	2000.29	2818.49	3246.48	1692.66	2703.66	1883.48	1484.09	2112.51	1830.97
CCF-SQS-114B	432.00	615.97	1283.21	667.98	1049.55	883.49	1258.71	1457.09	737.96	1194.39	1008.03	1435.77	1660.13	843.67	1365.90	1104.22	1570.29	1815.52	925.00	1495.54	1268.46	1800.89	2081.62	1064.63	1716.27	1461.63	2065.52	2393.44	1229.56	1980.22	1689.05	2389.24	2756.29	1423.86	2285.11	1863.05	2631.52	3028.52	1570.75	2516.73	2173.50	3062.55	3527.60	1839.23	2937.78	2046.57	1612.60	2295.43	1989.52
CCF-SQS-123A	558.00	795.63	1563.60	813.93	1278.88	1076.54	1533.74	1775.48	899.21	1455.38	1228.30	1749.49	2022.88	1028.03	1664.36	1345.50	1913.41	2212.23	1127.12	1822.33	1545.63	2194.40	2536.48	1297.26	2091.29	1781.01	2516.85	2916.42	1498.22	2412.92	2058.12	2911.31	3358.57	1734.98	2784.43	2270.14	3206.53	3690.28	1913.97	3066.66	2648.43	3731.74	4298.41	2241.12	3579.71	2493.77	1964.97	2797.01	2424.25
CCF-SQS-123B	572.00	815.59	1662.56	865.45	1359.82	1144.67	1630.82	1887.85	956.12	1547.49	1306.04	1860.22	2150.91	1093.09	1769.69	1430.66	2034.52	2352.24	1198.46	1937.67	1643.46	2333.29	2697.01	1379.37	2223.65	1893.73	2676.15	3101.01	1593.05	2565.63	2188.38	3095.57	3571.13	1844.79	2960.66	2413.82	3409.48	3923.84	2035.10	3260.75	2816.05	3967.93	4570.46	2382.96	3806.27	2651.60	2089.33	2974.03	2577.68
CCF-SQS-132A	681.00	971.01	1868.73	972.77	1528.45	1286.62	1833.05	2121.96	1074.69	1739.39	1467.99	2090.90	2417.64	1228.64	1989.15	1608.07	2286.81	2643.94	1347.08	2177.96	1847.26	2622.63	3031.46	1550.42	2499.41	2128.57	3008.01	3485.56	1790.60	2883.79	2459.76	3479.44	4013.98	2073.56	3327.81	2713.15	3832.28	4410.42	2287.47	3665.11	3165.26	4459.98	5137.24	2678.47	4278.28	2980.42	2348.43	3342.84	2897.33
CCF-SQS-132B	698.00	995.25	1969.34	1025.14	1610.74	1355.89	1931.74	2236.20	1132.55	1833.04	1547.03	2203.48	2547.80	1294.79	2096.25	1694.65	2409.93	2786.29	1419.60	2295.22	1946.71	2763.83	3194.68	1633.89	2633.97	2243.17	3169.96	3673.22	1887.00	3039.05	2592.19	3666.78	4230.09	2185.20	3506.97	2859.23	4038.61	4647.88	2410.63	3862.44	3335.68	4700.10	5413.82	2822.67	4508.62	3140.89	2474.86	3522.81	3053.33

Classik Cooling Towers CCF-SQS Line Selection R0 Five Cell Models All Flows in CMH

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
CCF-SQS-33A	85.23	121.52	140.54	73.17	115.00	96.73	137.93	159.63	80.83	130.85	110.45	157.32	181.92	92.42	149.61	120.95	172.10	198.99	101.31	163.73	139.02	197.35	228.00	116.62	188.20	160.17	227.00	262.00	134.72	217.04	184.93	262.00	302.00	155.99	251.00	204.14	288.00	332.00	172.06	776.00	238.00	336.00	387.00	201.55	322.00	224.40	176.67	252.00	217.99
CCF-SQS-33B	89.90	128.18	148.24	77.18	121.30	102.03	145.49	168.38	85.26	138.02	116.50	165.94	191.89	97.48	157.81	127.58	181.53	209.89	106.86	172.70	146.64	208.16	240.49	123.01	198.51	168.95	239.44	276.36	142.10	228.93	195.06	276.36	318.55	164.54	264.75	215.33	303.78	350.19	181.49	818.52	251.04	354.41	408.20	212.59	339.64	236.70	186.35	265.81	229.93
CCF-SQS-42A	128.56	183.30	211.99	110.37	173.46	145.91	208.05	240.78	121.92	197.37	166.60	237.30	274.41	139.41	225.67	182.44	259.59	300.15	152.81	246.97	209.70	297.68	343.91	175.91	283.88	241.60	342.40	395.20	203.21	327.38	278.95	395.20	455.53	235.29	378.61	307.92	434.42	500.79	259.53	1170.51	359.00	506.82	583.75	304.02	485.70	338.48	266.49	380.11	328.81
CCF-SQS-42B	133.85	190.84	220.71	114.91	180.60	151.91	216.61	250.69	126.94	205.49	173.46	247.06	285.70	145.14	234.96	189.95	270.28	312.51	159.10	257.13	218.32	309.93	358.06	183.15	295.56	251.54	356.49	411.46	211.57	340.85	290.42	411.46	474.28	244.98	394.18	320.59	452.29	521.39	270.21	1218.67	373.77	527.67	607.77	316.53	505.69	352.41	277.45	395.76	342.34
CCF-SQS-51A	153.30	218.57	252.78	131.61	206.85	173.98	248.09	287.12	145.39	235.35	198.66	282.97	327.21	166.23	269.10	217.55	309.55	357.92	182.22	294.50	250.05	354.97	410.10	209.76	338.51	288.09	408.30	471.25	242.32	390.38	332.63	471.25	543.20	280.57	451.46	367.18	518.01	597.16	309.48	1395.76	428.08	604.35	696.08	362.52	579.17	403.62	317.77	453.26	392.09
CCF-SQS-51B	162.37	231.51	267.74	139.39	219.08	184.28	262.77	304.11	153.99	249.28	210.42	299.71	346.57	176.07	285.02	230.42	327.86	379.09	193.00	311.92	264.84	375.97	434.36	222.17	358.54	305.14	432.45	499.13	256.65	413.48	352.31	499.13	575.33	297.17	478.18	388.90	548.66	632.49	327.79	1478.34	453.41	640.11	737.27	383.97	613.44	427.50	336.57	480.08	415.29
CCF-SQS-60A	191.07	272.43	315.06	164.03	257.81	216.85	309.21	357.86	181.21	293.34	247.61	352.68	407.83	207.19	335.40	271.15	385.82	446.10	227.12	367.05	311.66	442.42	511.13	261.44	421.91	359.07	508.89	587.36	302.02	486.56	414.58	587.36	677.03	349.70	562.70	457.64	645.64	744.28	385.73	1739.65	533.55	753.25	867.58	451.84	721.86	503.06	396.06	564.94	488.69
CCF-SQS-60B	203.29	289.85	335.22	174.52	274.30	230.72	328.99	380.75	192.80	312.10	263.44	375.24	433.91	220.44	356.85	288.49	410.49	474.63	241.64	390.53	331.59	470.72	543.82	278.16	448.89	382.04	541.44	624.92	321.33	517.68	441.09	624.92	720.33	372.07	598.68	486.91	686.94	791.88	410.40	1850.91	567.68	801.42	923.07	480.74	768.03	535.24	421.39	601.07	519.95
CCF-SQS-78A	255.00	363.58	420.48	218.92	344.07	289.41	412.67	477.60	241.84	391.49	330.46	470.69	544.29	276.51	447.62	361.87	514.91	595.36	303.11	489.86	415.93	590.45	682.15	348.92	563.08	479.21	679.16	783.88	403.07	649.36	553.29	783.88	903.56	466.71	750.97	610.77	861.67	993.31	514.79	2321.72	712.07	1005.28	1157.87	603.02	963.39	671.38	528.58	753.96	652.21
CCF-SQS-78B	266.00	379.26	438.62	228.36	358.91	301.89	430.47	498.20	252.27	408.38	344.71	490.99	567.77	288.44	466.93	377.48	537.12	621.04	316.19	511.00	433.88	615.92	711.58	363.97	587.37	499.89	708.46	817.69	420.46	677.37	577.16	817.69	942.53	486.84	783.36	637.11	898.84	1036.16	536.99	2421.87	742.79	1048.64	1207.81	629.03	1004.95	700.34	551.38	786.48	680.34
CCF-SQS-78C	277.00	394.94	456.76	237.80	373.75	314.38	448.28	518.80	262.70	425.27	358.97	511.29	591.25	300.37	486.24	393.09	559.33	646.72	329.26	532.13	451.82	641.39	741.01	379.02	611.66	520.56	737.76	851.51	437.84	705.39	601.03	851.51	981.51	506.97	815.76	663.46	936.01	1079.01	559.20	2522.02	773.51	1092.01	1257.76	655.04	1046.51	729.31	574.18	819.01	708.47
CCF-SQS-87A	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00	297.00
CCF-SQS-87B	341.00	486.19	562.29	292.75	460.11	387.01	551.85	638.67	323.40	523.52	441.90	629.43	727.85	369.77	598.58	483.91	688.56	796.15	405.34	655.07	556.21	789.59	912.21	466.59	752.98	640.83	908.21	1048.25	539.01	868.36	739.89	1048.25	1208.28	624.11	1004.24	816.75	1152.27	1328.31	688.40	3104.73	952.22	1344.32	1548.36	806.39	1288.30	897.81	706.85	1008.24	872.16
CCF-SQS-96A	357.00	509.01	588.68	306.48	481.70	405.17	577.74	668.64	338.57	548.09	462.64	658.96	762.00	387.12	626.67	506.62	720.87	833.50	424.35	685.81	582.31	826.63	955.02	488.48	788.31	670.90	950.83	1097.43	564.30	909.11	774.61	1097.43	1264.98	653.39	1051.36	855.07	1206.34	1390.64	720.70	3250.40	996.90	1407.39	1621.01	844.23	1348.75	939.94	740.01	1055.54	913.09
CCF-SQS-96B	371.00	528.97	611.76	318.50	500.59	421.06	600.40	694.86	351.85	569.58	480.78	684.80	791.88	402.30	651.24	526.49	749.14	866.19	441.00	712.70	605.14	859.05	992.47	507.64	819.22	697.21	988.11	1140.47	586.43	944.76	804.99	1140.47	1314.58	679.01	1092.58	888.61	1253.64	1445.17	748.96	3377.87	1036.00	1462.58	1684.58	877.33	1401.64	976.80	769.03	1096.94	948.89
CCF-SQS-96C	376.00	536.10	620.01	322.80	507.33	426.73	608.49	704.22	356.59	577.26	487.26	694.03	802.56	407.72	660.02	533.58	759.24	877.86	446.94	722.31	613.30	870.63	1005.84	514.48	830.26	706.60	1001.43	1155.84	594.33	957.49	815.84	1155.84	1332.30	688.16	1107.31	900.58	1270.54	1464.65	759.06	3423.40	1049.96	1482.29	1707.29	889.16	1420.53	989.96	779.40	1111.72	961.68
CCF-SQS-105A	438.00	624.50	722.24	376.02	590.99	497.10	708.83	820.34	415.39	672.44	567.61	808.47	934.89	474.95	768.85	621.57	884.43	1022.62	520.64	841.41	714.43	1014.19	1171.70	599.31	967.17	823.12	1166.56	1346.43	692.33	1115.38	950.36	1346.43	1551.99	801.64	1289.90	1049.08	1480.04	1706.16	884.22	3987.89	1223.09	1726.72	1988.81	1035.77	1654.77	1153.20	907.91	1295.04	1120.26
CCF-SQS-105B	446.00	635.90	735.43	382.89	601.78	506.18	721.77	835.33	422.98	684.72	577.97	823.24	951.97	483.62	782.89	632.92	900.58	1041.29	530.15	856.78	727.48	1032.71	1193.10	610.26	984.83	838.15	1187.87	1371.02	704.98	1135.75	967.72	1371.02	1580.34	816.28	1313.46	1068.24	1507.07	1737.32	900.37	4060.73	1245.43	1758.25	2025.13	1054.69	1684.99	1174.26	924.50	1318.69	1140.72
CCF-SQS-114A	520.00	741.41	857.45	446.42	701.63	590.16	841.53	973.92	493.15	798.33	673.87	959.83	1109.92	563.87	912.79	737.93	1050.01	1214.07	618.11	998.94	848.18	1204.06	1391.06	711.51	1148.23	977.22	1384.96	1598.50	821.95	1324.19	1128.28	1598.50	1842.54	951.72	1531.39	1245.49	1757.13	2025.58	1049.76	4734.48	1452.07	2049.98	2361.14	1229.68	1964.57	1369.10	1077.89	1537.49	1329.99
CCF-SQS-114B	538.00	767.07	887.14	461.87	725.92	610.59	870.66	1007.64	510.23	825.97	697.20	993.06	1148.34	583.39	944.39	763.48	1086.35	1256.09	639.50	1033.52	877.54	1245.74	1439.21	736.14	1187.98	1011.05	1432.90	1653.83	850.40	1370.03	1167.34	1653.83	1906.32	984.66	1584.40	1288.60	1817.95	2095.69	1086.10	4898.37	1502.33	2120.94	2442.87	1272.25	2032.57	1416.49	1115.20	1590.71	1376.03
CCF-SQS-123A	697.00	993.77	1149.32	598.37	940.46	791.05	1127.97	1305.43	661.02	1070.07	903.25	1286.54	1487.72	755.80	1223.49	989.11	1407.41	1627.31	828.50	1338.96	1136.89	1613.90	1864.55	953.70	1539.08	1309.85	1856.38	2142.60	1101.72	1774.93	1512.33	2142.60	2469.72	1275.67	2052.65	1669.43	2355.23	2715.05	1407.08	6346.03	1946.33	2747.76	3164.84	1648.25	2633.27	1835.11	1444.78	2060.82	1782.69
CCF-SQS-123B	712.00	1015.16	1174.05	611.25	960.69	808.07	1152.25	1333.53	675.24	1093.10	922.68	1314.23	1519.74	772.06	1249.82	1010.40	1437.70	1662.34	846.33	1367.78	1161.35	1648.64	1904.68	974.23	1572.20	1338.04	1896.33	2188.71	1125.43	1813.12	1544.88	2188.71	2522.87	1303.12	2096.82	1705.36	2405.91	2773.48	1437.37	6482.60	1988.22	2806.90	3232.95	1683.72	2689.94	1874.61	1475.88	2105.17	1821.06
CCF-SQS-132A	851.00	1213.35	1403.26	730.58	1148.25	965.82	1377.20	1593.87	807.07	1306.50	1102.82	1570.80	1816.43	922.79	1493.82	1207.66	1718.37	1986.86	1011.55	1634.80	1388.08	1970.49	2276.52	1164.42	1879.13	1599.26	2266.54	2616.00	1345.15	2167.09	1846.48	2616.00	3015.39	1557.52	2506.17	2038.29	2875.61	3314.94	1717.98	7748.16	2376.37	3354.88	3864.10	2012.43	3215.09	2240.58	1764.01	2516.16	2176.58
CCF-SQS-132B	869.00	1239.01	1432.94	746.04	1172.53	986.25	1406.33	1627.58	824.14	1334.14	1126.14	1604.03	1854.85	942.31	1525.41	1233.20	1754.72	2028.89	1032.95	1669.38	1417.44	2012.17	2324.67	1189.05	1918.88	1633.08	2314.48	2671.34	1373.60	2212.93	1885.54	2671.34	3079.17	1590.46	2559.18	2081.40	2936.43	3385.05	1754.31	7912.05	2426.63	3425.84	3945.83	2054.99	3283.09	2287.97	1801.32	2569.38	2222.61

Classik Cooling Towers CCF-SQS Line Selection R0 Six Cell Models All Flows in CMH

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	6	6	6	8	8	5	5.56	5	5
Approach °C	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	4	6	7	4	7	6	3.89	5	4
Inlet Water Temperature °C	20	22	23	22	25	23	25	26	25	28	26	28	29	28	31	28	30	31	30	33	31	33	34	33	36	34	36	37	36	39	37	39	40	39	42	39	41	42	41	44	42.2	44.2	45.2	44.2	47.2	32	35.00	37	37
Outlet Water Temperature °C	14	16	17	14	17	17	19	20	17	20	20	22	23	20	23	22	24	25	22	25	25	27	28	25	28	28	30	31	28	31	31	33	34	31	34	33	35	36	33	36	36.2	38.2	39.2	36.2	39.2	27	29.44	32	32
CCF-SQS-33A	101.83	145.22	167.95	87.73	137.40	115.53	164.86	190.76	96.58	156.32	131.96	188.01	217.43	110.45	178.71	144.52	206.65	238.00	121.05	195.87	166.10	236.00	273.00	139.37	224.94	191.40	272.00	314.00	160.94	259.00	221.00	313.00	361.00	186.43	299.00	244.00	345.00	397.00	205.63	330.00	285.00	401.00	462.00	241.00	385.00	268.00	211.15	300.00	261.00
CCF-SQS-33B	107.28	152.99	176.94	92.43	144.75	121.71	173.68	200.97	101.75	164.69	139.02	198.07	229.07	116.36	188.27	152.25	217.71	250.74	127.53	206.35	174.99	248.63	287.61	146.83	236.98	201.64	286.56	330.81	169.55	272.86	232.83	329.75	380.32	196.41	315.00	257.06	363.46	418.25	216.64	347.66	300.25	422.46	486.73	253.90	405.61	282.34	222.45	316.06	274.97
CCF-SQS-42A	153.80	219.33	253.67	132.50	207.52	174.49	249.00	288.12	145.87	236.10	199.31	283.96	328.40	166.82	269.92	218.28	312.12	359.47	182.83	295.83	250.87	356.45	412.33	210.50	339.74	289.08	410.82	474.25	243.08	391.18	333.79	472.74	545.24	281.58	451.60	368.53	521.07	599.61	310.58	498.42	430.45	605.65	697.79	364.00	581.49	404.78	318.91	453.11	394.20
CCF-SQS-42B	160.04	228.23	263.96	137.88	215.94	181.57	259.10	299.81	151.79	245.68	207.39	295.48	341.72	173.59	280.87	227.13	324.78	374.05	190.25	307.84	261.05	370.91	429.06	219.04	353.52	300.81	427.49	493.49	252.94	407.05	347.33	491.92	567.36	293.00	469.92	383.48	542.22	623.94	323.18	518.64	447.92	630.23	726.10	378.77	605.08	421.20	331.85	471.49	410.20
CCF-SQS-51A	183.37	261.50	302.44	157.98	247.42	208.04	296.87	343.51	173.92	281.49	237.63	338.56	391.54	198.89	321.81	260.24	372.12	428.58	217.98	352.71	299.10	424.98	491.60	250.97	405.06	344.66	489.80	565.43	289.81	466.39	397.96	563.63	650.07	335.71	538.42	439.38	621.26	714.90	370.29	594.25	513.21	722.10	831.94	433.98	693.29	482.60	380.23	540.22	469.99
CCF-SQS-51B	194.14	276.86	320.20	167.26	261.95	220.26	314.31	363.69	184.13	298.03	251.58	358.44	414.53	210.57	340.71	275.53	393.98	453.75	230.78	373.43	316.67	449.94	520.48	265.71	428.85	364.91	518.57	598.64	306.83	493.79	421.34	596.74	688.25	355.43	570.05	465.19	657.75	756.88	392.04	629.15	543.36	764.51	880.81	459.47	734.01	510.94	402.56	571.95	497.60
CCF-SQS-60A	229.00	326.58	377.69	197.29	308.99	259.81	370.74	428.99	217.19	351.54	296.76	422.81	488.97	248.39	401.89	325.00	464.72	535.23	272.22	440.48	373.53	530.73	613.93	313.42	505.86	430.43	611.69	706.14	361.93	582.45	496.99	703.89	811.83	419.25	672.40	548.72	775.85	892.79	462.43	742.12	640.92	901.79	1038.97	541.97	865.81	602.69	474.84	674.65	586.95
CCF-SQS-60B	243.00	346.54	400.78	209.35	327.88	275.69	393.41	455.22	230.47	373.03	314.90	448.65	518.86	263.57	426.46	344.87	493.14	567.95	288.87	467.41	396.37	563.17	651.47	332.58	536.78	456.74	649.08	749.31	384.06	618.06	527.38	746.92	861.47	444.88	713.51	582.26	823.28	947.37	490.70	787.49	680.10	956.92	1102.48	575.11	918.74	639.54	503.87	715.90	622.83
CCF-SQS-78A	305.00	434.96	503.04	262.77	411.54	346.03	493.79	571.36	289.28	468.21	395.25	563.13	651.24	330.82	535.27	432.86	618.96	712.85	362.57	586.67	497.50	706.86	817.69	417.44	673.74	573.28	814.69	940.49	482.05	775.75	661.94	937.49	1081.26	558.39	895.56	730.83	1033.34	1189.09	615.90	988.41	853.63	1201.07	1383.78	721.84	1153.15	802.71	632.43	898.56	781.74
CCF-SQS-78B	317.00	452.07	522.83	273.11	427.73	359.65	513.21	593.84	300.66	486.63	410.80	585.28	676.87	343.83	556.33	449.90	643.31	740.90	376.83	609.75	517.07	734.68	849.86	433.86	700.25	595.83	846.74	977.49	501.01	806.28	687.98	974.38	1123.80	580.36	930.80	759.58	1074.00	1235.87	640.13	1027.30	887.21	1248.33	1438.22	750.24	1198.52	834.29	657.32	933.91	812.50
CCF-SQS-78C	331.00	472.04	545.92	285.17	446.62	375.53	535.88	620.07	313.93	508.12	428.94	611.13	706.76	359.02	580.90	469.76	671.72	773.62	393.47	636.68	539.91	767.12	887.39	453.02	731.17	622.15	884.14	1020.66	523.14	841.88	718.36	1017.41	1173.44	605.99	971.90	793.13	1121.43	1290.45	668.40	1072.67	926.40	1303.46	1501.74	783.37	1251.45	871.14	686.35	975.15	848.38
CCF-SQS-87A	357.00	509.12	588.81	307.57	481.70	405.03	577.97	668.77	338.59	548.03	462.63	659.13	762.28	387.22	626.53	506.66	724.48	834.39	424.38	686.69	582.32	827.38	957.10	488.61	788.60	671.02	953.59	1100.83	564.23	908.01	774.79	1097.33	1265.61	653.59	1048.25	855.43	1209.52	1391.82	720.91	1156.93	999.17	1405.84	1619.70	844.91	1349.75	939.57	740.26	1051.75	915.03
CCF-SQS-87B	408.00	581.85	672.92	351.51	550.52	462.89	660.54	764.31	386.96	626.32	528.72	753.30	871.17	442.54	716.03	579.05	827.98	953.59	485.01	784.79	665.51	945.58	1093.82	558.41	901.26	766.88	1089.82	1258.10	644.83	1037.73	885.48	1254.09	1446.41	746.96	1198.00	977.63	1382.30	1590.65	823.89	1322.20	1141.90	1606.68	1851.09	965.61	1542.57	1073.79	846.01	1202.00	1045.74
CCF-SQS-96A	427.00	608.95	704.26	367.87	576.15	484.45	691.30	799.91	404.99	655.49	553.34	788.38	911.74	463.15	749.38	606.01	866.54	998.00	507.59	821.33	696.50	989.61	1144.76	584.42	943.23	802.59	1140.57	1316.68	674.86	1086.06	926.71	1312.49	1513.77	781.75	1253.79	1023.16	1446.68	1664.73	862.26	1383.78	1195.08	1681.50	1937.29	1010.58	1614.41	1123.79	885.41	1257.98	1094.44
CCF-SQS-96B	444.00	633.19	732.30	382.52	599.09	503.73	718.82	831.75	421.11	681.59	575.37	819.76	948.04	481.58	779.21	630.14	901.04	1037.73	527.80	854.03	724.23	1029.01	1190.34	607.68	980.79	834.54	1185.98	1369.11	701.73	1129.29	963.61	1364.75	1574.04	812.87	1303.70	1063.89	1504.27	1731.00	896.59	1438.87	1242.66	1748.44	2014.42	1050.81	1678.68	1168.54	920.66	1308.06	1138.01
CCF-SQS-96C	449.00	640.32	740.54	386.83	605.84	509.41	726.92	841.12	425.85	689.26	581.85	828.99	958.72	487.01	787.99	637.23	911.18	1049.42	533.75	863.65	732.39	1040.60	1203.74	614.53	991.83	843.94	1199.33	1384.52	709.63	1142.01	974.46	1380.11	1591.76	822.03	1318.38	1075.87	1521.21	1750.50	906.69	1455.07	1256.65	1768.13	2037.10	1062.64	1697.58	1181.69	931.03	1322.79	1150.83
CCF-SQS-105A	524.00	747.28	864.24	451.44	707.04	594.50	848.34	981.62	496.98	804.40	679.04	967.47	1118.86	568.36	919.61	743.68	1063.39	1224.71	622.90	1007.91	854.72	1214.42	1404.81	717.17	1157.50	984.91	1399.67	1615.79	828.17	1332.77	1137.23	1610.65	1857.65	959.34	1538.60	1255.58	1775.31	2042.90	1058.14	1698.12	1466.56	2063.48	2377.37	1240.15	1981.15	1379.08	1086.54	1543.75	1343.06
CCF-SQS-105B	534.00	761.54	880.74	460.06	720.53	605.84	864.53	1000.35	506.47	819.75	692.00	985.93	1140.21	579.20	937.16	757.87	1083.68	1248.08	634.79	1027.15	871.03	1237.59	1431.62	730.86	1179.59	1003.71	1426.38	1646.63	843.97	1358.20	1158.93	1641.38	1893.10	977.65	1567.97	1279.54	1809.19	2081.88	1078.33	1730.53	1494.55	2102.86	2422.74	1263.81	2018.95	1405.40	1107.28	1573.21	1368.69
CCF-SQS-114A	624.00	889.89	1029.17	537.60	841.97	707.95	1010.24	1168.95	591.83	957.91	808.63	1152.10	1332.38	676.82	1095.11	885.60	1266.32	1458.43	741.78	1200.26	1017.84	1446.17	1672.91	854.04	1378.40	1172.87	1666.78	1924.15	986.22	1587.12	1354.26	1918.02	2212.16	1142.42	1832.23	1495.20	2114.11	2432.76	1260.07	2022.19	1746.44	2457.27	2831.07	1476.81	2359.23	1642.27	1293.90	1838.36	1599.37
CCF-SQS-114B	643.00	916.98	1060.51	553.97	867.60	729.51	1041.00	1204.54	609.85	987.07	833.25	1187.18	1372.95	697.43	1128.45	912.56	1304.88	1502.84	764.36	1236.81	1048.83	1490.21	1723.84	880.04	1420.37	1208.58	1717.53	1982.74	1016.25	1635.44	1395.49	1976.42	2279.51	1177.20	1888.02	1540.72	2178.48	2506.83	1298.44	2083.77	1799.62	2532.09	2917.27	1521.78	2431.06	1692.27	1333.30	1894.33	1648.07
CCF-SQS-123A	836.00	1192.22	1378.83	720.24	1128.02	948.47	1353.46	1566.09	792.90	1283.35	1083.36	1543.52	1785.05	906.77	1467.17	1186.47	1696.55	1953.92	993.79	1608.05	1363.64	1937.50	2241.26	1144.19	1846.70	1571.35	2233.06	2577.87	1321.28	2126.33	1814.36	2569.66	2963.72	1530.55	2454.72	2003.18	2832.37	3259.28	1688.17	2709.22	2339.78	3292.11	3792.91	1978.55	3160.76	2200.22	1733.49	2462.93	2142.75
CCF-SQS-123B	852.00	1215.04	1405.22	734.03	1149.61	966.63	1379.36	1596.07	808.07	1307.91	1104.09	1573.06	1819.21	924.12	1495.25	1209.18	1729.02	1991.32	1012.81	1638.82	1389.74	1974.59	2284.16	1166.09	1882.05	1601.42	2275.79	2627.20	1346.57	2167.02	1849.08	2618.84	3020.45	1559.84	2501.70	2041.52	2886.58	3321.65	1720.48	2761.07	2384.56	3355.12	3865.50	2016.42	3221.25	2242.33	1766.67	2510.07	2183.76
CCF-SQS-132A	1022.00	1457.48	1685.60	880.49	1378.99	1159.50	1654.59	1914.53	969.31	1568.88	1324.39	1886.93	2182.20	1108.51	1793.59	1450.45	2074.01	2388.65	1214.90	1965.82	1667.04	2368.58	2739.92	1398.76	2257.57	1920.95	2729.88	3151.41	1615.25	2599.41	2218.03	3141.37	3623.12	1871.07	3000.86	2448.87	3462.54	3984.43	2063.77	3311.99	2860.36	4024.57	4636.79	2418.76	3863.99	2689.74	2119.17	3010.90	2619.48
CCF-SQS-132B	1039.00	1481.72	1713.64	895.13	1401.93	1178.78	1682.11	1946.38	985.43	1594.98	1346.42	1918.32	2218.50	1126.95	1823.43	1474.58	2108.51	2428.38	1235.11	1998.52	1694.76	2407.97	2785.50	1422.03	2295.13	1952.91	2775.29	3203.83	1642.12	2642.65	2254.92	3193.63	3683.38	1902.20	3050.78	2489.60	3520.13	4050.70	2098.10	3367.08	2907.93	4091.52	4713.92	2458.99	3928.26	2734.48	2154.42	3060.98	2663.06

COOLING TECHNOLOGY INSTITUTE

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Classik Cooling Towers
CCF-CCT CTI Certified Cooling Towers
Water as the Process Fluid
CTI Certification Validation Number C119C-21R00
September 22, 2021 (Revision 0)

CCF-CCT-035
CCF-CCT-065
CCF-CCT-080
CCF-CCT-090
CCF-CCT-125
CCF-CCT-165
CCF-CCT-180
CCF-CCT-240
CCF-CCT-270
CCF-CCT-325
CCF-CCT-430
CCF-CCT-460

See Footnotes, Last Page

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Classik Cooling Towers
CCF-CCT CTI Certified Cooling Towers
Water as the Process Fluid
CTI Certification Validation Number C119C-21R00
September 22, 2021 (Revision 0)

Footnotes:

1. Two to six cell, inline, combinations of the primary single cell models, listed above, are included in the certification.
2. Certified performance is with water as the process fluid.
3. Certification includes units with optional gear drive in place of standard belt drive. (Add Suffix G)
4. Certification includes alternate materials of construction are available with the following suffix designations:
    - Blank: Indicates MS HDG Structural (Standard)
    - Suffix P: Pultruded Structural
    - Suffix S4: Stainless Steel 304 Structural
    - Suffix S6: Stainless Steel 316 Structural
5. Certification includes alternate non-basin option (add Suffix NB)
6. Certification includes other options which do not affect Cooling Tower capacity do not require a suffix added to the model number. (No Suffix)
7. Motors are Cooling Tower rated, Premium Efficiency suitable for use with variable frequency drives. Enclosures are TEFC or TEAO. 208-230/380/415/460 electrical service.
8. Inlet and outlet connections are either flanged, grooved for mechanical coupling or beveled for welding.

Example Model Number: CCF-CCT-035-2/G/P/NB

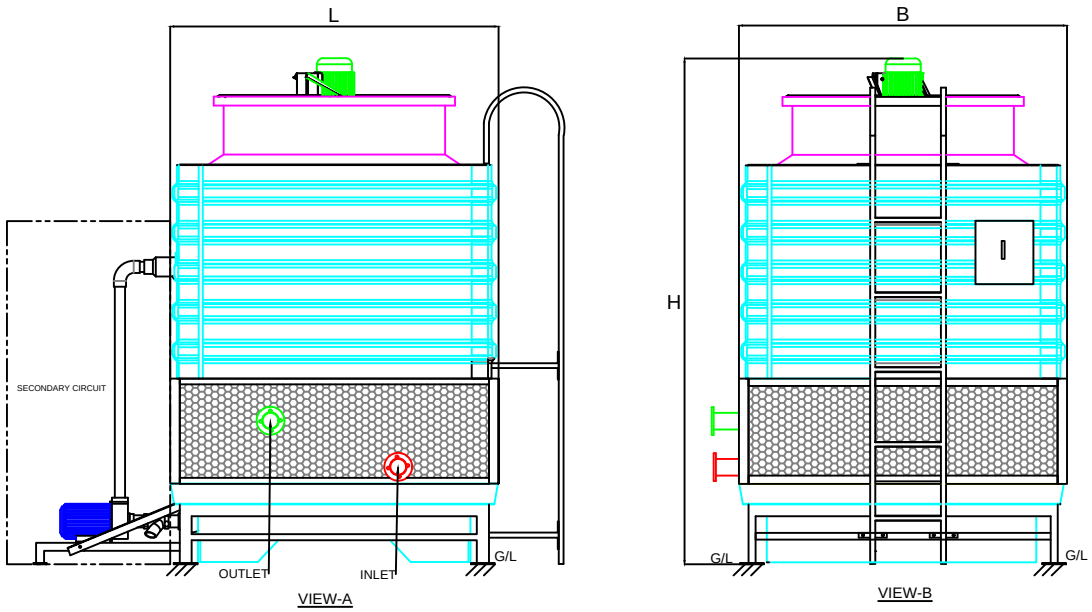
CCF-CCT:	Indicates Line Designation
035:	Indicates Model Number
-2:	Indicates two cell arrangement of the primary certified model (capacity equals 2 times rated capacity)
/G:	Includes optional gear drive
/P:	Indicates Pultruded Structural
/NB:	Indicates Non Basin

C119C-21R00

CTI CERTIFIED

CCF-CCT SERIES CLOSED CIRCUIT COOLING TOWERS

CLOSED COOLER ILLUSTRATION DRAWING



CLOSED COOLER TECHNICAL INFORMATION

MODEL #	L(mm)	B(mm)	H(mm)	MOTOR(kw)	PUMP(kw)	INLET/OUTLET X 1 (inch)	SHIPPING WEIGHT(kgs)
CCF-CCT-035	1510	1510	2445	0.75	0.37	2	210
CCF-CCT-055	1710	1710	2550	1.5	0.75	2	340
CCF-CCT-080	1960	1960	2540	0.75	0.75	2	400
CCF-CCT-090	1510	1510	2695	2.2	0.75	2	250
CCF-CCT-125	1710	1710	2860	1.5	0.75	2	410
CCF-CCT-165	1710	1710	2910	1.5	1.12	2	455
CCF-CCT-180	1960	1960	2740	2.2	1.12	2 ½	525
CCF-CCT-240	1960	1960	3010	2.2	1.5	2 ½	620
CCF-CCT-270	2310	2310	3010	2.2	1.5	4	1095
CCF-CCT-325	3160	2310	3085	2.2 X 2	2.2	4	1980
CCF-CCT-430	4160	2310	3235	3.7 X 2	2.2	4	2190
CCF-CCT-460	6010	2310	3115	3.7 X 3	3.75	4	3100

- The above models have the similar configuration of FRP casing, HDG structural, SS304 fasteners and HDG access ladder.
- All dimensions mentioned above are with basin.
- The height may vary, while selecting the outlet size by client.

Classik Cooling Towers CCF-CCT Selection R0

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
Wet Bulb °C	10	10	10	10	10	13	13	13	13	13	16	16	16	16	16	18	18	18	18	18	21	21	21	21	21	24	24	24	24	24	27	27	27	27	27	29	29	29	29	29	32.2	32.2	32.2	32.2	32.2	21	25.56	27	28
Range °C	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	6	6	6	7	8	5	6.67	5	5
Approach °C	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	4	6	7	8	6	6	6.67	5	4
Inlet Process Temperature °C	20	22	23	25	24	23	25	26	28	27	26	28	29	31	30	28	30	31	33	32	31	33	34	36	35	34	36	37	39	38	37	39	40	42	41	39	41	42	44	43	42.2	44.2	45.2	47.2	46.2	32	38.9	37	37
Outlet Process Temperature °C	14	16	17	18	16	17	19	20	21	19	20	22	23	24	22	22	24	25	26	24	25	27	28	29	27	28	30	31	32	30	31	33	34	35	33	33	35	36	37	35	36.2	38.2	39.2	40.2	38.2	27	32.23	32	32
Process Fluid Type																																																	
CCF-CCT-035	1.58	2.02	2.84	2.84	1.39	1.61	2.40	3.16	3.16	1.51	1.80	2.84	3.66	3.66	1.64	1.90	3.10	2.29	2.29	1.96	2.21	3.34	4.35	4.35	2.33	2.27	3.79	4.85	4.85	2.65	2.65	4.35	5.36	5.36	2.97	2.90	4.67	5.81	5.81	3.28	3.10	5.36	6.31	6.31	3.66	4.48	3.95	4.42	3.22
CCF-CCT-065	2.84	3.63	5.10	5.10	2.50	2.89	4.31	5.67	5.68	2.71	3.23	5.10	6.58	6.58	2.95	3.42	5.57	4.12	4.12	3.52	3.97	6.00	7.82	7.82	4.19	4.08	6.81	8.72	8.72	4.76	4.76	7.82	9.63	9.63	5.34	5.22	8.39	10.44	10.44	5.90	5.57	9.63	11.34	11.34	6.58	8.05	7.10	7.94	5.78
CCF-CCT-080	3.16	4.04	5.68	5.68	2.78	3.22	4.80	6.31	6.32	3.02	3.60	5.68	7.32	7.32	3.28	3.80	6.20	4.58	4.58	3.92	4.42	6.68	8.70	8.70	4.66	4.54	7.57	9.70	9.70	5.30	5.30	8.70	10.72	10.72	5.94	5.81	9.34	11.62	11.62	6.56	6.20	10.72	12.62	12.62	7.32	8.96	7.90	8.84	6.44
CCF-CCT-090	3.98	5.09	7.15	7.15	3.50	4.05	6.04	7.95	7.96	3.80	4.53	7.15	9.22	9.22	4.13	4.79	7.81	5.77	5.77	4.94	5.56	8.41	10.96	10.96	5.87	5.72	9.54	12.22	12.22	6.68	6.68	10.96	13.50	13.50	7.48	7.31	11.76	14.64	14.64	8.26	7.81	13.50	15.89	15.89	9.22	11.29	9.95	11.13	8.11
CCF-CCT-125	5.68	7.26	10.21	10.21	5.00	5.78	8.62	11.34	11.36	5.43	6.46	10.21	13.16	13.16	5.90	6.83	11.14	8.23	8.23	7.05	7.94	12.01	15.64	15.64	8.38	8.16	13.61	17.44	17.44	9.53	9.53	15.64	19.27	19.27	10.68	10.43	16.79	20.89	20.89	11.79	11.14	19.27	22.68	22.68	13.16	16.11	14.20	15.89	11.57
CCF-CCT-165	7.26	9.28	13.05	13.05	6.39	7.39	11.02	14.50	14.52	6.94	8.26	13.05	16.82	16.82	7.54	8.73	14.24	10.52	10.52	9.01	10.15	15.35	19.99	19.99	10.71	10.43	17.40	22.29	22.29	12.18	12.18	19.99	24.63	24.63	13.65	13.34	21.46	26.70	26.70	15.07	14.24	24.63	28.99	28.99	16.82	20.59	18.15	20.31	14.79
CCF-CCT-180	9.15	11.69	16.44	16.45	8.05	9.32	13.89	18.27	18.30	8.74	10.41	16.45	21.20	21.20	9.50	11.00	17.95	13.26	13.26	11.35	12.79	19.34	25.19	25.19	13.49	13.15	21.93	28.09	28.09	15.35	15.35	25.19	31.04	31.04	17.20	16.81	27.04	33.65	33.65	18.99	17.95	31.04	36.54	36.54	21.20	25.94	22.88	25.60	18.64
CCF-CCT-240	11.67	14.91	20.97	20.98	10.27	11.88	17.71	23.30	23.34	11.15	13.28	20.98	27.03	27.03	12.11	14.03	22.90	16.91	16.91	14.48	16.31	24.67	32.13	32.13	17.21	16.77	27.96	35.82	35.82	19.57	19.57	32.13	39.59	39.59	21.94	21.44	34.49	42.91	42.91	24.23	22.90	39.59	46.61	46.61	27.03	33.09	29.18	32.65	23.77
CCF-CCT-270	12.94	16.54	23.26	23.26	11.38	13.18	19.64	25.84	25.88	12.37	14.73	23.26	29.97	29.97	13.43	15.56	25.39	18.75	18.75	16.05	18.09	27.35	35.63	35.63	19.08	18.59	31.01	39.72	39.72	21.70	21.70	35.63	43.90	43.90	24.32	23.77	38.25	47.58	47.58	26.86	25.39	43.90	51.68	51.68	29.97	36.69	32.35	36.20	26.36
CCF-CCT-325	18.93	24.19	34.02	34.03	16.65	19.28	28.73	37.80	37.86	18.09	21.55	34.03	43.85	43.85	19.65	22.76	37.14	27.44	27.44	23.48	26.46	40.02	52.12	52.12	27.92	27.20	45.36	58.11	58.11	31.75	31.75	52.12	64.22	64.22	35.58	34.78	55.95	69.61	69.61	39.30	37.14	64.22	75.60	75.60	43.85	53.67	47.33	52.96	38.56
CCF-CCT-430	26.50	33.87	47.62	47.63	23.31	26.99	40.22	52.92	53.00	25.33	30.16	47.63	61.39	61.39	27.51	31.87	51.99	38.41	38.41	32.87	37.04	56.02	72.96	72.96	39.08	38.07	63.50	81.34	81.34	44.45	44.45	72.96	89.90	89.90	49.81	48.68	78.33	97.45	97.45	55.01	51.99	89.90	105.83	105.83	61.39	75.14	66.25	74.13	53.97
CCF-CCT-460	30.29	38.71	54.44	54.45	26.65	30.85	45.97	60.48	60.58	28.95	34.48	54.45	70.17	70.17	31.44	36.42	59.43	43.90	43.90	37.57	42.34	64.03	83.39	83.39	44.67	43.52	72.58	92.98	92.98	50.80	50.81	83.39	102.76	102.76	56.94	55.65	89.53	111.38	111.38	62.88	59.43	102.76	120.97	120.97	70.17	85.89	75.73	84.74	61.69

Classik Cooling Towers CCF-CCT Pressure Drop R0

Model Number	First Flow			Second Flow			Thrid Flow		
Closed Cooler #	L/s	kPa	Std. Coil Connection Size X Quantity	L/s	kPa	Std. Coil Connection Size X Quantity	L/s	kPa	Std. Coil Connection Size X Quantity
CCF-CCT-035	0.90	2	50mm X 1	0.72	1	50mm X 1	1.07	3	50mm X 1
CCF-CCT-065	1.61	4	50mm X 1	1.29	3	50mm X 1	1.93	5	50mm X 1
CCF-CCT-080	1.79	2	50mm X 1	1.43	2	50mm X 1	2.15	3	50mm X 1
CCF-CCT-090	2.26	3	50mm X 1	1.81	2	50mm X 1	2.71	4	50mm X 1
CCF-CCT-125	3.22	5	50mm X 1	2.58	3	50mm X 1	3.86	6	50mm X 1
CCF-CCT-165	4.12	4	50mm X 1	3.29	3	50mm X 1	4.94	5	50mm X 1
CCF-CCT-180	5.19	9	65mm X 1	4.15	6	65mm X 1	6.22	12	65mm X 1
CCF-CCT-240	6.62	8	65mm X 1	5.29	5	65mm X 1	7.94	10	65mm X 1
CCF-CCT-270	7.34	8	80mm X 1	5.87	6	80mm X 1	8.80	11	80mm X 1
CCF-CCT-325	10.73	39	80mm X 1	8.59	27	80mm X 1	12.88	52	80mm X 1
CCF-CCT-430	15.02	90	80mm X 1	12.02	62	80mm X 1	18.03	122	80mm X 1
CCF-CCT-460	17.17	298	80mm X 1	13.74	204	80mm X 1	20.61	406	80mm X 1