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DMNC Counter Flow, Induced Draft, Closed Cooling Tower

Selection Data





Selection Date Sheet

STD-201RS Table 4b - SI Units - Closed Circuit (CC)

Condition Reference #	1	2	3	4	5	6	7	8	9	10	11
Wet Bulb ° C	13	13	13	13	13	16	16	16	16	16	18
Range ° C	6	6	6	7	8	6	6	6	7	8	6
Approach ° C	4	6	7	8	6	4	6	7	8	6	4
Inlet Process Temperature ° C	23	25	26	28	27	26	28	29	31	30	28
Outlet Process Temperature ° C	17	19	20	21	19	20	22	23	24	22	22
DMNC-36/12-25 in l/s	3.59	5.07	5.86	6.06	4.21	4.12	5.82	6.74	7.03	4.86	4.53
DMNC-42/12-28 in l/s	4.72	6.66	7.69	7.95	5.52	5.40	7.65	8.84	9.23	6.38	5.94
DMNC-48/12-32 in l/s	6.20	8.75	10.11	10.45	7.26	7.10	10.05	11.62	12.13	8.39	7.81
DMNC-54/12-36 in l/s	7.89	11.12	12.85	13.29	9.23	9.03	12.78	14.78	15.43	10.66	9.93
DMNC-60/12-40 in l/s	9.77	13.79	15.93	16.47	11.44	11.19	15.84	18.31	19.12	13.22	12.30
DMNC-76/10-44 in l/s	11.39	16.07	18.57	19.19	13.33	13.05	18.46	21.34	22.29	15.40	14.34
Condition Reference #	12	13	14	15	16	17	18	19	20	21	22
Wet Bulb ° C	18	18	18	18	21	21	21	21	21	24	24
Range ° C	6	6	7	8	6	6	6	7	8	6	6
Approach ° C	6	7	8	6	4	6	7	8	6	4	6
Inlet Process Temperature ° C	30	31	33	32	31	33	34	36	35	34	36
Outlet Process Temperature ° C	24	25	26	24	25	27	28	29	27	28	30
DMNC-36/12-25 in l/s	6.51	7.57	7.78	5.38	5.29	7.58	8.82	9.08	6.28	6.18	8.86
DMNC-42/12-28 in l/s	8.55	9.93	10.22	7.06	6.94	9.95	11.57	11.92	8.24	8.10	11.64
DMNC-48/12-32 in l/s	11.24	13.05	13.43	9.28	9.12	13.07	15.21	15.66	10.83	10.65	15.29
DMNC-54/12-36 in l/s	14.29	16.60	17.08	11.80	11.60	16.62	19.34	19.92	13.77	13.55	19.45
DMNC-60/12-40 in l/s	17.71	20.57	21.16	14.63	14.37	20.60	23.97	24.68	17.07	16.79	24.10
DMNC-76/10-44 in l/s	20.64	23.98	24.67	17.05	16.75	24.01	27.94	28.77	19.90	19.57	28.09



Condition Reference #	23	24	25	26	27	28	29	30	31	32	33
Wet Bulb ° C	24	24	24	27	27	27	27	27	29	29	29
Range ° C	6	7	8	6	6	6	7	8	6	6	6
Approach ° C	7	8	6	4	6	7	8	6	4	6	7
Inlet Process Temperature ° C	37	39	38	37	39	40	42	41	39	41	42
Outlet Process Temperature ° C	31	32	30	31	33	34	35	33	33	35	36
DMNC-36/12-25 in l/s	10.30	10.61	7.34	7.24	10.38	11.75	12.12	8.55	8.07	11.23	13.07
DMNC-42/12-28 in l/s	13.52	13.92	9.64	9.51	13.62	15.43	15.90	11.23	10.59	14.74	17.15
DMNC-48/12-32 in l/s	17.77	18.30	12.67	12.50	17.90	20.28	20.90	14.75	13.92	19.37	22.55
DMNC-54/12-36 in l/s	22.60	23.27	16.11	15.89	22.77	25.78	26.58	18.76	17.71	24.63	28.67
DMNC-60/12-40 in l/s	28.01	28.84	19.97	19.70	28.22	31.96	32.94	23.25	21.95	30.53	35.53
DMNC-76/10-44 in l/s	32.65	33.61	23.27	22.96	32.89	37.24	38.40	27.10	25.58	35.58	41.42
Condition Reference #	34	35	36	37	38	39	40	41	42	43	44
Wet Bulb ° C	29	29	32	32	32	32	32	21	25.56	27	28
Range ° C	7	8	6	6	6	7	8	5	6.67	5	5
Approach ° C	8	6	4	6	7	8	6	6	6.67	5	4
Inlet Process Temperature ° C	44	43	42	44	45	47	46	32	38.90	37	37
Outlet Process Temperature ° C	37	35	36	38	39	40	38	27	32.23	32	32
DMNC-36/12-25 in l/s	13.58	9.44	9.80	13.06	15.10	15.58	10.95	8.64	10.00	10.14	8.89
DMNC-42/12-28 in l/s	17.82	12.39	12.86	17.14	19.81	20.44	14.37	11.34	13.13	13.31	11.67
DMNC-48/12-32 in l/s	23.43	16.28	16.90	22.53	26.04	26.87	18.89	14.91	17.25	17.50	15.33
DMNC-54/12-36 in l/s	29.79	20.70	21.49	28.66	33.11	34.17	24.02	18.96	21.94	22.25	19.50
DMNC-60/12-40 in l/s	36.92	25.66	26.64	35.51	41.04	42.35	29.77	23.49	27.19	27.58	24.17
DMNC-76/10-44 in l/s	43.03	29.90	31.05	41.39	47.83	49.36	34.70	27.38	31.69	32.14	28.17