

COOLING PERFORMANCE DATA

Model	Cooling																						
	Indoor			-13°F	-4°F	0°F	5°F	17°F	25°F	35°F	47°F	55°F	65°F	75°F	80°F	85°F	95°F	105°F	110°F	115°F	122°F		
	DB	WB		-25°C	-20°C	-17.8°C	-15°C	-8.3°C	-3.9°C	1.7°C	8.3°C	12.8°C	18.3°C	24°C	26.7°C	29.4°C	35°C	40.5°C	43.3°C	46°C	50°C		
CMZ-18-22 (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	20.93	22.29	22.55	22.90	22.81	22.83	22.61	22.61	22.07	21.08	20.23	19.53	19.33	18.77	18.01	16.84	16.25	14.33		
			SC	13.77	15.09	15.35	15.43	16.07	16.77	16.23	16.36	16.95	16.00	15.79	15.58	15.56	15.03	15.56	14.87	14.87	14.87	14.24	
			Input	1.35	1.54	1.63	1.75	1.72	1.75	1.72	1.67	1.71	1.68	1.69	1.66	1.66	1.83	2.02	2.00	1.97	2.06	1.99	1.99
	70°F (21.1°C)	59°F (15°C)	TC	22.17	23.51	23.68	24.08	23.76	23.93	23.70	24.06	23.20	22.12	21.23	20.49	20.33	19.68	18.88	17.86	17.01	15.23	15.07	
			SC	14.50	15.84	16.03	16.14	16.64	17.48	16.92	17.31	17.71	16.71	16.71	16.47	16.25	16.26	15.68	16.22	15.69	15.50	15.07	
			Input	1.37	1.55	1.63	1.74	1.72	1.73	1.70	1.68	1.71	1.69	1.68	1.66	1.66	1.83	2.02	1.99	1.99	2.05	2.03	2.03
	75°F (23.9°C)	63°F (17.2°C)	TC	23.36	24.72	25.17	25.38	24.93	25.19	24.79	25.51	24.63	23.21	22.56	21.78	21.29	20.93	19.85	18.94	17.72	16.03	16.03	
			SC	15.20	16.56	16.93	16.91	17.37	18.29	17.58	18.25	18.68	17.45	17.42	17.16	16.92	16.59	16.97	16.56	16.07	15.81	15.81	15.81
			Input	1.37	1.57	1.64	1.74	1.69	1.72	1.68	1.69	1.72	1.68	1.69	1.69	1.69	1.82	2.03	1.99	1.98	2.03	2.03	2.03
	80°F (26.7°C)	67°F (19.4°C)	TC	24.80	25.83	26.22	26.63	26.41	26.35	26.29	26.57	25.66	24.70	23.82	22.88	22.45	22.08	20.88	19.87	18.52	16.70	16.70	
			SC	16.04	17.20	17.54	17.66	18.30	19.03	18.56	18.92	19.37	18.47	18.32	17.91	17.76	17.42	17.74	17.29	16.70	16.40	16.40	16.40
			Input	1.39	1.54	1.63	1.72	1.70	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.99	2.03	1.99	1.99	2.02	2.00	2.00
CMZ-27-32 (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	28.28	29.52	29.96	29.90	31.09	31.78	32.05	31.93	31.60	31.34	30.92	31.27	27.83	26.76	25.44	23.64	22.21	20.19	20.19	
			SC	18.04	19.95	19.63	21.13	21.79	22.52	23.43	23.61	24.25	24.10	24.81	24.38	21.86	22.22	21.26	21.00	20.44	20.20	20.20	
			Input	2.10	2.26	2.42	2.51	2.63	2.62	2.68	2.67	2.73	2.72	2.76	2.84	2.89	3.31	3.38	3.24	3.34	3.34	3.45	3.45
	70°F (21.1°C)	59°F (15°C)	TC	29.99	30.75	31.47	31.37	32.97	33.56	33.85	33.65	33.12	33.27	32.68	32.81	29.48	27.88	26.75	24.93	23.14	21.06	21.06	
			SC	19.03	20.64	20.50	22.04	22.99	23.65	24.61	24.75	25.29	25.45	26.07	25.44	23.02	23.04	22.22	22.02	21.20	20.98	20.98	
			Input	2.10	2.26	2.43	2.51	2.66	2.64	2.69	2.66	2.69	2.75	2.76	2.82	2.94	3.29	3.34	3.24	3.24	3.28	3.40	3.40
	75°F (23.9°C)	63°F (17.2°C)	TC	31.41	32.24	33.34	33.34	34.45	35.03	35.67	35.42	35.24	34.80	34.30	34.61	31.26	29.07	27.89	26.16	24.28	22.26	22.26	
			SC	19.81	21.54	21.60	23.28	23.91	24.56	25.80	25.92	26.77	26.46	27.19	26.71	24.28	23.91	23.03	22.99	22.11	22.10	22.10	
			Input	2.11	2.27	2.43	2.56	2.63	2.62	2.67	2.68	2.72	2.75	2.78	2.82	2.96	3.25	3.31	3.20	3.20	3.26	3.45	3.45
	80°F (26.7°C)	67°F (19.4°C)	TC	32.85	34.22	34.80	35.28	36.19	36.76	37.42	37.05	36.86	36.67	36.48	36.31	33.26	30.44	29.05	27.39	25.56	23.33	23.33	
			SC	20.60	22.72	22.44	24.48	25.00	25.62	26.91	26.97	27.86	27.72	28.79	27.89	25.68	24.90	23.88	23.94	23.15	23.05	23.05	
			Input	2.08	2.31	2.44	2.57	2.60	2.64	2.68	2.69	2.72	2.76	2.79	2.83	3.17	3.25	3.24	3.18	3.27	3.40	3.40	3.40
CMZ-48-4Z (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	33.65	35.02	36.12	36.44	38.32	39.65	42.03	41.87	41.94	41.35	41.59	41.84	38.94	35.10	32.82	31.16	29.51	25.82	25.82	
			SC	22.23	22.55	23.94	25.34	27.39	29.35	30.62	30.24	32.71	32.21	32.56	32.41	30.76	29.10	28.27	28.49	27.29	25.68	25.68	
			Input	1.93	2.15	2.36	2.46	2.56	2.64	2.75	2.83	2.92	3.10	3.30	3.56	3.87	4.08	3.95	3.87	4.03	4.09	4.09	4.09
	70°F (21.1°C)	59°F (15°C)	TC	35.72	37.09	37.78	38.36	40.63	42.00	44.57	44.08	44.15	43.30	43.78	43.81	40.65	36.79	34.91	32.87	30.83	27.15	27.15	
			SC	23.46	23.77	24.92	26.51	28.90	30.91	32.30	31.69	34.22	33.51	34.11	33.76	31.97	30.33	29.89	29.89	28.35	26.90	26.90	
			Input	1.96	2.18	2.32	2.43	2.58	2.64	2.78	2.85	2.94	3.09	3.32	3.54	3.86	4.02	4.01	3.86	3.99	4.06	4.06	
	75°F (23.9°C)	63°F (17.2°C)	TC	37.49	38.80	39.90	39.96	42.59	44.49	46.77	46.20	46.52	46.01	46.23	46.46	42.56	38.32	36.41	34.64	32.36	28.55	28.55	
			SC	24.48	24.71	26.19	27.47	30.14	32.58	33.71	33.01	35.87	35.41	35.80	35.62	33.31	31.39	31.00	31.33	29.59	28.18	28.18	
			Input	1.97	2.18	2.31	2.41	2.57	2.66	2.80	2.81	2.96	3.13	3.31	3.60	3.80	3.97	3.93	3.91	4.01	4.01	4.01	
	80°F (26.7°C)	67°F (19.4°C)	TC	39.42	41.06	41.73	42.33	44.55	46.79	48.77	48.63	48.71	48.80	48.87	48.95	45.09	40.56	38.69	36.50	33.70	29.77	29.77	
			SC	25.62	25.99	27.25	28.95	31.37	34.06	34.96	34.53	37.31	37.38	37.63	37.35	35.08	33.05	32.77	32.81	30.67	29.27	29.27	
			Input	1.97	2.18	2.30	2.43	2.56	2.68	2.79	2.80	2.96	3.16	3.36	3.59	3.86	4.02	4.01	3.94	4.00	3.98	3.98	
CMZ-54-5Z (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	44.92	46.94	49.02	48.34	49.46	50.18	48.00	50.75	49.84	49.33	48.35	46.88	45.50	44.48	40.96	39.11	36.59	32.29	32.29	
			SC	28.68	30.47	33.50	32.54	34.57	36.71	35.91	37.34	37.37	38.18	38.18	37.20	36.97	35.59	35.00	35.15	34.03	32.09	32.09	
			Input	3.35	3.69	4.03	4.15	4.18	4.20	4.09	4.29	4.20	4.35	4.23	4.23	4.60	5.03	4.90	4.90	5.18	5.11	5.11	
	70°F (21.1°C)	59°F (15°C)	TC	47.04	49.83	51.11	50.51	52.45	52.54	51.01	53.82	52.80	51.76	51.21	49.87	47.40	46.62	43.39	41.21	38.11	34.32	34.32	
			SC	29.89	32.14	34.74	33.84	36.49	38.23	37.98	39.37	39.35	39.87	40.24	39.32	38.33	37.07	36.91	36.83	35.27	33.99	33.99	
			Input	3.31	3.75	3.97	4.09	4.22	4.22	4.12	4.34	4.25	4.35	4.30	4.30	4.51	5.02	4.91	4.87	5.16	5.15	5.15	
	75°F (23.9°C)	63°F (17.2°C)	TC	49.77	52.45	53.24	53.68	54.98	54.84	54.04	56.24	55.58	55.00	53.46	52.11	50.05	48.66	45.29	43.71	39.87	36.12	36.12	
			SC	31.48	33.64	35.97	35.76	38.01	39.68	40.04	40.93	41.21	42.17	41.74	40.86	40.27	38.48	38.28	38.86	36.70	35.62	35.62	
			Input	3.32	3.71	3.90	4.10	4.24	4.15	4.16	4.31	4.29	4.36	4.28	4.22	4.52	5.01	4.82	4.85	5.08	5.12	5.12	
	80°F (26.7°C)	67°F (19.4°C)	TC	52.89	55.10	55.93	56.80	57.27	57.19	57.12	59.14	58.26	57.30	56.33	55.43	52.97	50.90	48.13	45.81	42.23	37.67	37.67	
			SC	33.27	35.15	37.58	37.66	39.34	41.18	42.10	42.82	42.94	43.72	43.77	43.24	42.37	40.01	40.43	40.50	38.64	36.99	36.99	
			Input	3.33	3.69	3.88	4.11	4.15	4.15	4.15	4.32	4.31	4.30	4.28	4.27	4.89	4.98	4.89	4.88	5.07	5.09	5.09	

LEGEND

- DB --- Dry Bulb
- WB --- Wet Bulb
- TC --- Total Net Capacity (1000 Btu/hour)
- SC --- Sensible Capacity (1000 Btu/hour)
- Input --- Total Power (kW)

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)													
	Indoor Conditions DB		-13°F	-4°F	0°F	5°F	10°F	17°F	20°F	25°F	32°F	35°F	40°F	47°F	50°F	57°F
			-25°C	-20°C	-17.8°C	-15°C	-12.2°C	-8.3°C	-6.7°C	-3.9°C	0°C	1.7°C	4.4°C	8.3°C	10°C	13.9°C
CMZ-18-2Z (208-230V)	60°F (15.6°C)	TC	10.12	11.15	11.76	12.18	14.18	15.79	16.27	16.65	17.02	17.56	21.86	25.87	26.41	27.09
		Input	1.92	1.81	1.79	1.74	1.80	1.81	1.75	1.67	1.63	1.56	1.80	1.99	1.95	1.90
	65°F (18.3°C)	TC	9.84	10.87	11.39	11.86	13.83	15.39	15.83	16.23	16.60	17.06	21.16	25.02	25.77	26.35
		Input	1.97	1.86	1.83	1.79	1.85	1.86	1.79	1.72	1.66	1.61	1.84	2.04	1.99	1.94
	70°F (21.1°C)	TC	9.53	10.59	11.06	11.51	13.40	14.98	15.39	15.77	16.13	16.52	20.54	24.41	24.99	25.63
		Input	2.01	1.92	1.88	1.83	1.89	1.91	1.83	1.77	1.71	1.65	1.89	2.10	2.04	1.99
CMZ-27-3Z (208-230V)	75°F (23.9°C)	TC	9.17	10.15	10.56	11.02	12.93	14.35	14.80	15.08	15.41	15.91	19.72	23.46	23.99	24.48
		Input	2.08	1.97	1.93	1.88	1.94	1.96	1.88	1.82	1.76	1.70	1.95	2.16	2.09	2.05
	60°F (15.6°C)	TC	13.17	14.71	15.35	16.02	17.63	19.34	21.01	22.70	24.28	25.78	31.63	36.77	37.50	38.38
		Input	2.67	2.52	2.47	2.41	2.45	2.53	2.45	2.36	2.31	2.28	2.68	3.03	2.93	2.86
	65°F (18.3°C)	TC	12.76	14.25	14.87	15.56	17.18	18.80	20.32	21.98	23.55	25.03	30.83	35.73	36.27	37.41
		Input	2.72	2.58	2.54	2.48	2.52	2.58	2.51	2.42	2.37	2.33	2.75	3.09	3.02	2.93
CMZ-48-4Z (208-230V)	70°F (21.1°C)	TC	12.45	13.83	14.50	15.04	16.60	18.23	19.79	21.30	22.77	24.21	29.90	34.56	35.39	36.28
		Input	2.79	2.66	2.60	2.53	2.58	2.65	2.58	2.49	2.43	2.38	2.83	3.18	3.09	3.02
	75°F (23.9°C)	TC	11.97	13.28	13.89	14.50	15.87	17.47	18.98	20.51	21.98	23.31	28.85	33.07	33.79	34.72
		Input	2.86	2.74	2.69	2.62	2.67	2.73	2.66	2.57	2.49	2.46	2.93	3.27	3.19	3.11
	60°F (15.6°C)	TC	20.48	22.78	23.94	24.83	27.31	30.28	31.28	32.30	33.64	34.59	40.83	47.21	48.24	49.48
		Input	4.20	3.98	3.82	3.81	3.80	3.85	3.74	3.60	3.47	3.34	3.67	4.05	3.91	3.87
CMZ-54-5Z (208-230V)	65°F (18.3°C)	TC	19.86	22.20	23.15	24.11	26.51	29.37	30.52	31.36	32.50	33.55	39.52	46.06	47.06	48.08
		Input	4.30	4.06	3.93	3.90	3.88	3.96	3.83	3.68	3.56	3.42	3.78	4.15	4.02	3.96
	70°F (21.1°C)	TC	19.36	21.51	22.46	23.38	25.74	28.51	29.57	30.60	31.59	32.64	38.34	44.63	45.83	46.86
		Input	4.39	4.18	4.05	3.98	4.00	4.08	3.92	3.76	3.64	3.51	3.86	4.26	4.15	4.05
	75°F (23.9°C)	TC	18.61	20.69	21.58	22.54	24.74	27.23	28.36	29.52	30.32	31.46	36.73	42.98	43.81	45.08
		Input	4.51	4.32	4.16	4.10	4.13	4.20	4.03	3.88	3.76	3.62	3.99	4.37	4.27	4.16
CMZ-54-5Z (208-230V)	60°F (15.6°C)	TC	24.10	26.70	28.06	28.99	32.55	35.95	36.70	37.78	38.99	39.62	48.29	56.10	58.23	59.13
		Input	5.04	4.85	4.72	4.63	4.71	4.72	4.54	4.36	4.20	4.10	4.47	4.74	4.61	4.45
	65°F (18.3°C)	TC	23.28	25.87	27.11	28.20	31.76	34.83	35.77	36.68	37.78	38.58	47.11	54.52	56.37	57.69
		Input	5.20	4.96	4.85	4.75	4.80	4.84	4.66	4.46	4.31	4.22	4.57	4.85	4.72	4.58
	70°F (21.1°C)	TC	22.67	25.19	26.29	27.38	30.89	33.88	34.86	35.78	36.68	37.60	45.60	53.14	54.47	55.80
		Input	5.36	5.10	5.00	4.86	4.93	4.98	4.77	4.60	4.44	4.32	4.69	4.97	4.82	4.72
75°F (23.9°C)	TC	21.81	24.15	25.32	26.26	29.62	32.43	33.57	34.39	35.03	36.14	43.83	50.75	52.02	53.51	
	Input	5.51	5.23	5.15	5.02	5.05	5.12	4.93	4.75	4.58	4.45	4.82	5.11	4.98	4.88	

LEGEND

DB --- Dry Bulb
 WB --- Wet Bulb
 TC --- Total Net Capacity (1000 Btu/hour)
 Input --- Total Power (kW)
 COP --- W/W