

COOLING PERFORMANCE DATA

Model	Cooling		Outdoor conditions (DB)																			
	Indoor Conditions			-22°F	-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		-30°C	-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
AHU18-SG2 CPH18CD(O) (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	15.92	16.91	17.66	17.73	17.75	18.31	18.67	19.29	19.69	20.08	20.20	20.64	21.49	19.88	18.56	17.52	16.86	15.60	13.74
			SC	9.94	11.08	11.97	11.83	12.41	13.29	13.13	14.28	14.56	14.89	15.22	16.44	16.80	15.59	15.04	15.10	14.86	14.80	13.75
			Input	0.52	0.59	0.64	0.67	0.69	0.75	0.88	1.03	1.18	1.20	1.24	1.30	1.37	1.54	1.88	1.86	1.87	1.97	1.97
	70°F (21.1°C)	59°F (15°C)	TC	16.63	17.84	18.51	18.67	18.84	19.46	19.61	20.18	20.68	21.20	21.36	21.89	22.60	20.95	19.51	18.52	17.84	16.35	14.36
			SC	10.34	11.61	12.49	12.38	13.11	14.05	13.73	14.85	15.22	15.64	16.00	17.34	17.57	16.34	15.72	15.86	15.64	15.42	14.30
			Input	0.51	0.59	0.65	0.67	0.70	0.76	0.87	1.04	1.17	1.19	1.23	1.31	1.37	1.55	1.88	1.87	1.89	1.95	1.97
	75°F (23.9°C)	63°F (17.2°C)	TC	17.62	18.72	19.28	19.61	19.79	20.54	20.82	21.04	21.57	22.11	22.58	23.16	23.54	22.12	20.69	19.66	18.70	17.05	14.95
			SC	10.90	12.13	12.93	12.94	13.70	14.76	14.50	15.39	15.78	16.23	16.81	18.25	18.19	17.16	16.58	16.74	16.30	16.00	14.84
			Input	0.51	0.59	0.64	0.67	0.70	0.76	0.86	1.02	1.15	1.19	1.24	1.31	1.35	1.56	1.91	1.88	1.88	1.93	1.94
	80°F (26.7°C)	67°F (19.4°C)	TC	18.60	19.58	20.40	20.68	21.03	21.83	21.98	22.15	22.75	23.20	23.67	24.13	24.57	23.07	21.65	20.61	19.48	17.83	15.61
			SC	11.44	12.61	13.61	13.57	14.49	15.59	15.23	16.10	16.54	16.93	17.54	18.91	18.87	17.81	17.25	17.43	16.89	16.64	15.41
			Input	0.51	0.58	0.64	0.68	0.71	0.77	0.87	1.01	1.15	1.19	1.24	1.28	1.33	1.76	1.89	1.87	1.85	1.90	1.92
AHU24-SG2 CPH24CD(O) (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	23.15	24.81	25.81	26.42	27.17	26.73	26.42	25.22	26.10	24.86	25.20	24.36	23.93	23.74	23.17	21.12	18.96	16.57	13.85
			SC	14.72	15.74	17.10	18.09	18.49	19.46	19.34	18.90	19.15	18.91	19.61	19.35	18.41	19.11	18.73	18.21	17.34	15.46	13.81
			Input	0.97	1.09	1.21	1.26	1.33	1.39	1.41	1.43	1.58	1.59	1.67	1.75	1.86	2.13	2.50	2.44	2.48	2.70	2.91
	70°F (21.1°C)	59°F (15°C)	TC	24.37	25.84	27.00	28.05	28.76	27.91	27.70	26.83	27.45	26.42	26.39	25.86	25.01	24.73	24.21	22.23	20.02	17.37	14.43
			SC	15.43	16.32	17.81	19.12	19.44	20.18	20.15	19.97	20.03	19.97	20.41	20.42	19.13	19.79	19.45	19.05	18.22	16.11	14.33
			Input	0.97	1.08	1.21	1.28	1.35	1.37	1.42	1.44	1.58	1.59	1.68	1.77	1.86	2.11	2.46	2.46	2.48	2.67	2.86
	75°F (23.9°C)	63°F (17.2°C)	TC	25.60	27.26	28.66	29.81	30.43	29.66	29.37	28.43	28.83	27.81	27.75	27.19	26.08	26.22	25.38	23.47	21.01	18.42	15.28
			SC	16.12	17.11	18.78	20.22	20.46	21.33	21.25	21.03	20.94	20.92	21.35	21.37	19.83	20.86	20.27	19.99	19.01	16.98	15.11
			Input	0.97	1.09	1.21	1.28	1.35	1.37	1.43	1.45	1.56	1.61	1.69	1.78	1.83	2.13	2.43	2.45	2.46	2.69	2.85
	80°F (26.7°C)	67°F (19.4°C)	TC	27.12	28.85	30.37	31.24	31.96	31.48	30.82	30.24	30.19	29.55	28.96	28.33	27.74	27.40	27.00	24.55	21.95	19.18	16.19
			SC	17.00	18.03	19.80	21.06	21.38	22.54	22.16	22.26	21.80	22.11	22.16	22.12	20.97	21.67	21.44	20.80	19.75	17.59	15.95
			Input	0.97	1.10	1.22	1.28	1.35	1.40	1.42	1.45	1.55	1.61	1.68	1.76	1.83	2.32	2.44	2.45	2.43	2.66	2.89
AHU30-SG2 CPH30CD(O) (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	30.40	32.69	34.37	35.23	36.68	37.58	36.49	36.07	32.58	33.23	32.07	32.44	31.63	30.86	29.97	27.91	26.98	25.80	24.25
			SC	19.38	20.63	22.31	23.32	25.06	27.51	26.66	25.95	24.83	23.67	24.18	25.51	25.39	24.99	24.27	23.18	24.30	24.11	24.10
			Input	1.67	1.93	2.11	2.24	2.43	2.59	2.57	2.55	2.28	2.45	2.35	2.51	2.51	2.87	3.41	3.27	3.31	3.31	3.38
	70°F (21.1°C)	59°F (15°C)	TC	31.77	34.30	36.26	36.97	38.41	39.39	38.57	38.21	34.66	34.84	34.08	34.33	33.12	32.45	31.29	29.69	28.45	27.04	25.37
			SC	20.16	21.53	23.40	24.35	26.11	28.66	28.02	27.32	26.27	26.78	25.53	26.84	26.45	26.11	25.21	24.55	25.51	25.12	25.12
			Input	1.65	1.93	2.13	2.25	2.41	2.56	2.55	2.58	2.30	2.42	2.37	2.51	2.48	2.86	3.39	3.29	3.31	3.32	3.37
	75°F (23.9°C)	63°F (17.2°C)	TC	33.80	35.88	38.21	38.67	40.05	41.73	40.99	40.05	36.87	36.52	35.73	35.79	34.61	34.02	33.11	31.49	29.95	28.34	26.76
			SC	21.32	22.41	24.55	25.33	27.09	30.17	29.61	28.47	27.80	27.90	26.60	27.82	27.47	27.22	26.54	25.88	26.69	26.19	26.39
			Input	1.68	1.91	2.15	2.23	2.37	2.57	2.59	2.54	2.32	2.39	2.38	2.48	2.48	2.86	3.43	3.33	3.27	3.29	3.39
	80°F (26.7°C)	67°F (19.4°C)	TC	35.65	37.93	39.92	40.92	42.03	43.79	43.15	42.47	38.98	38.44	37.92	37.36	36.82	35.77	34.49	33.04	31.73	30.15	28.05
			SC	22.35	23.55	25.51	26.68	28.28	31.48	31.02	30.03	29.23	29.17	28.06	28.88	29.05	28.44	27.52	27.03	28.11	27.71	27.52
			Input	1.69	1.92	2.13	2.25	2.37	2.56	2.56	2.56	2.34	2.37	2.41	2.44	2.48	3.27	3.36	3.31	3.27	3.32	3.37
AHU36-SG2 CPH36CD(O) (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	36.40	39.92	41.11	41.70	42.25	46.22	45.70	46.06	44.74	43.87	45.14	43.85	43.91	41.87	40.25	37.83	36.96	33.69	29.76
			SC	22.99	26.07	27.96	28.47	28.36	32.44	33.90	33.32	34.13	33.47	34.27	34.49	34.20	33.32	32.63	31.66	32.67	32.07	29.62
			Input	1.22	1.47	1.59	1.71	1.79	2.19	2.43	2.77	2.70	2.83	3.07	3.07	3.30	4.02	5.49	5.23	5.44	5.69	5.47
	70°F (21.1°C)	59°F (15°C)	TC	38.48	41.63	43.64	44.08	44.66	48.81	47.60	48.23	47.34	46.32	47.07	46.11	46.27	44.17	42.32	40.20	38.82	35.50	31.04
			SC	24.15	27.03	29.54	29.91	29.82	34.05	35.09	34.67	35.89	35.18	35.57	36.04	35.83	34.98	34.09	33.49	34.12	33.58	30.78
			Input	1.21	1.46	1.62	1.70	1.78	2.18	2.41	2.76	2.74	2.85	3.03	3.06	3.28	4.06	5.52	5.31	5.45	5.65	5.45
	75°F (23.9°C)	63°F (17.2°C)	TC	40.80	44.24	45.70	46.55	47.51	51.27	50.64	51.04	49.62	48.55	49.09	48.74	48.45	46.84	45.02	42.50	40.56	37.21	32.88
			SC	25.46	28.58	30.76	31.38	31.56	35.54	37.10	36.50	37.45	36.66	36.89	37.91	37.30	36.90	36.05	35.25	35.47	35.00	32.49
			Input	1.23	1.46	1.59	1.69	1.79	2.16	2.42	2.80	2.73	2.84	2.98	3.09	3.23	4.09	5.59	5.38	5.42	5.60	5.51
	80°F (26.7°C)	67°F (19.4°C)	TC	43.36	46.13	48.05	48.85	49.54	54.02	53.87	53.72	51.80	51.65	51.51	51.36	51.22	49.35	47.49	45.16	42.74	39.17	34.72
			SC	26.93	29.62	32.15	32.78	32.70	37.22	39.27	38.20	38.85	38.79	38.53	39.75	39.18	38.69	37.85	37.22	37.14	36.62	34.16
			Input	1.23	1.44	1.60	1.68	1.78	2.18	2.43	2.81	2.73	2.84	2.98	3.12	3.27	5.19	5.56	5.49	5.45	5.56	5.49
AHU48-SG2 CPH48CD(O) (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	47.83	51.25	53.22	54.24	55.05	51.62	50.95	48.97	49.34	48.16	47.10	46.54	45.48	44.42	43.12	41.11	38.36	36.09	33.05
			SC	30.50	31.93	35.32	36.05	39.03	37.15	36.03	35.92	37.39	37.71	36.22	37.25	35.29	35.89	35.93	34.07	34.15	34.06	33.01
			Input	2.32	2.72	3.05	3.30	3.33	3.45	3.45	3.40	3.89	3.81	3.65	3.69	3.70	4.50	5.70	5.76	5.46	5.73	5.96
	70°F (21.1°C)	59°F (15°C)	TC	50.72	53.73	55.56	57.09	57.52	54.74	53.35	51.01	51.45	51.18	49.26	48.48	47.62	46.27	45.53	43.19	40.17	38.19	34.61
			SC	32.14	33.27	36.66	37.71	40.54	39.17	37.51	37.25	38.75	39.89	37.65	38.58	36.75	37.16	37.72	35.60	35.59	35.82	34.45
			Input	2.33	2.73	3.03	3.27	3.33	3.45	3.47	3.33											

HEATING PERFORMANCE DATA

Model	Heating		Outdoor conditions (DB)														
	Indoor Conditions DB		-22°F	-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
AHU18-SG2 CPH18CD(O) (208-230V)	60°F	TC	13.88	15.82	17.69	18.44	19.23	20.02	21.41	21.38	21.86	22.03	22.21	22.91	23.34	23.99	24.67
	(15.6°C)	Input	2.65	2.67	2.55	2.47	2.41	2.08	1.81	1.80	1.80	1.81	1.81	1.82	1.81	1.54	1.37
	65°F	TC	13.48	15.42	17.16	17.95	18.74	19.50	20.75	20.78	21.12	21.43	21.63	22.18	22.70	23.25	23.88
	(18.3°C)	Input	2.71	2.73	2.61	2.55	2.48	2.13	1.86	1.86	1.86	1.85	1.85	1.86	1.86	1.57	1.40
	70°F	TC	13.05	15.00	16.66	17.43	18.11	18.98	20.05	20.27	20.50	20.72	20.94	21.49	22.00	22.50	23.10
	(21.1°C)	Input	2.79	2.82	2.68	2.62	2.55	2.17	1.92	1.92	1.91	1.91	1.90	1.91	1.92	1.62	1.44
AHU24-SG2 CPH24CD(O) (208-230V)	75°F	TC	12.51	14.44	15.95	16.82	17.39	18.22	19.27	19.48	19.76	20.00	20.01	20.72	21.03	21.54	22.15
	(23.9°C)	Input	2.87	2.91	2.76	2.68	2.63	2.25	1.98	1.98	1.97	1.96	1.95	1.97	1.97	1.68	1.48
	60°F	TC	18.42	21.32	23.64	24.78	25.75	25.77	26.00	26.79	27.34	28.12	28.91	31.22	33.10	33.80	33.99
	(15.6°C)	Input	3.92	3.97	3.79	3.69	3.62	3.43	3.24	3.15	3.11	3.07	3.03	2.91	2.77	2.73	2.69
	65°F	TC	17.90	20.68	22.86	23.94	24.97	25.07	25.19	25.91	26.62	27.43	27.99	30.28	32.01	32.76	32.97
	(18.3°C)	Input	4.03	4.08	3.87	3.78	3.70	3.50	3.32	3.25	3.20	3.15	3.11	2.99	2.83	2.79	2.76
AHU30-SG2 CPH30CD(O) (208-230V)	70°F	TC	17.38	19.98	22.20	23.20	24.13	24.25	24.39	25.15	25.90	26.63	27.30	29.29	31.23	31.74	32.17
	(21.1°C)	Input	4.15	4.19	3.99	3.88	3.80	3.59	3.39	3.34	3.29	3.25	3.19	3.05	2.90	2.88	2.84
	75°F	TC	16.69	19.14	21.31	22.32	23.07	23.15	23.53	24.07	24.96	25.62	26.32	28.26	29.95	30.50	30.72
	(23.9°C)	Input	4.25	4.29	4.12	4.00	3.91	3.68	3.50	3.45	3.39	3.36	3.30	3.16	2.99	2.96	2.91
	60°F	TC	22.25	25.24	27.65	28.96	30.29	31.15	31.49	31.96	31.87	32.33	32.51	37.01	40.20	40.99	41.85
	(15.6°C)	Input	4.30	4.30	4.11	3.99	3.93	3.75	3.67	3.49	3.35	3.24	3.12	3.00	2.93	2.81	2.68
AHU36-SG2 CPH36CD(O) (208-230V)	65°F	TC	21.62	24.60	26.92	28.12	29.38	30.09	30.51	30.91	31.06	31.30	31.72	35.83	38.99	39.60	40.52
	(18.3°C)	Input	4.41	4.43	4.23	4.10	4.03	3.86	3.76	3.59	3.45	3.31	3.20	3.10	3.01	2.87	2.75
	70°F	TC	21.04	23.90	26.27	27.43	28.55	29.08	29.62	29.92	30.25	30.54	30.86	34.72	38.01	38.56	39.15
	(21.1°C)	Input	4.52	4.55	4.34	4.21	4.13	3.97	3.84	3.69	3.53	3.40	3.27	3.19	3.07	2.93	2.84
	75°F	TC	20.26	22.88	25.24	26.36	27.52	27.77	28.35	28.85	29.19	29.26	29.59	33.15	36.64	37.21	37.58
	(23.9°C)	Input	4.65	4.71	4.49	4.34	4.26	4.09	3.95	3.81	3.65	3.50	3.37	3.29	3.17	3.03	2.92
AHU48-SG2 CPH48CD(O) (208-230V)	60°F	TC	29.43	34.32	37.73	39.47	41.17	42.83	45.14	46.14	45.91	46.64	47.00	53.24	60.83	61.80	63.56
	(15.6°C)	Input	6.58	6.57	6.25	6.03	5.92	6.03	6.17	5.75	5.38	5.13	4.88	5.14	5.40	5.24	5.12
	65°F	TC	28.58	33.33	36.71	38.43	39.98	41.78	43.99	44.67	44.75	45.37	45.55	51.74	58.77	60.17	61.95
	(18.3°C)	Input	6.73	6.73	6.40	6.20	6.08	6.15	6.29	5.88	5.52	5.27	5.01	5.25	5.54	5.38	5.28
	70°F	TC	27.69	32.20	35.78	37.46	38.89	40.72	42.84	43.16	43.49	43.84	44.18	50.38	57.23	58.59	60.09
	(21.1°C)	Input	6.91	6.89	6.56	6.40	6.25	6.33	6.44	6.03	5.68	5.38	5.14	5.36	5.69	5.51	5.41
AHU48-SG2 CPH48CD(O) (208-230V)	75°F	TC	26.67	30.97	34.42	36.11	37.37	38.97	41.04	41.56	41.97	42.17	42.32	48.26	54.71	56.25	57.99
	(23.9°C)	Input	7.13	7.08	6.75	6.58	6.47	6.55	6.62	6.22	5.86	5.53	5.29	5.53	5.88	5.66	5.59
	60°F	TC	34.93	41.42	45.71	47.63	49.92	51.60	53.77	54.63	54.61	55.71	56.25	60.62	66.22	67.23	69.60
	(15.6°C)	Input	7.17	7.43	7.07	6.95	6.77	6.66	6.47	6.11	5.81	5.62	5.40	5.33	5.45	5.36	5.16
	65°F	TC	34.01	40.06	44.55	46.29	48.66	50.30	51.95	52.79	53.13	54.14	54.83	58.85	64.29	65.40	67.57
	(18.3°C)	Input	7.37	7.66	7.28	7.10	6.93	6.80	6.61	6.27	5.96	5.74	5.52	5.49	5.57	5.47	5.31
AHU48-SG2 CPH48CD(O) (208-230V)	70°F	TC	33.12	38.96	43.29	44.99	47.06	48.83	50.44	51.05	51.73	52.36	53.02	57.20	62.30	63.74	65.41
	(21.1°C)	Input	7.59	7.83	7.46	7.24	7.10	6.95	6.76	6.43	6.14	5.89	5.66	5.66	5.73	5.58	5.44
	75°F	TC	31.96	37.29	41.52	43.28	45.41	46.83	48.22	49.01	49.40	50.05	50.64	55.19	59.49	61.13	62.66
	(23.9°C)	Input	7.80	8.08	7.66	7.49	7.31	7.19	6.98	6.66	6.29	6.07	5.85	5.86	5.91	5.76	5.58

LEGEND

DB --- Dry Bulb

WB --- Wet Bulb

TC --- Total Net Capacity (1000 Btu/hour)

Input --- Total Power (kW)

COP --- W/W