

COOLING PERFORMANCE DATA

Model		Cooling																																								
		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	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	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	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	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	1.95	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	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	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	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	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	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	1.92																				
SC	14.72	15.74	17.10	18.09	18.49	19.46	19.34	18.90	19.15	18.91	19.61	20.35	20.36	23.74	23.17	19.83	20.86	20.27	19.99	19.01	16.98	15.11																				
																							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

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		-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
			-30°C	-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
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
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	
AHU24-SG2 CPH24CD(O) (208-230V)	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
	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	
AHU30-SG2 CPH30CD(O) (208-230V)	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
	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	
AHU36-SG2 CPH36CD(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
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	
AHU48-SG2 CPH48CD(O) (208-230V)	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
	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