

COOLING PERFORMANCE DATA

Model	Cooling																					
	Indoor			-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
CVH-18-2SH (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	16.97	18.85	20.01	20.82	20.82	21.55	22.34	22.23	23.51	24.05	24.91	25.04	25.53	23.08	21.65	20.74	19.36	18.44	16.33
			SC	10.33	11.69	13.17	14.20	14.18	15.47	16.00	16.66	17.54	17.85	19.27	19.88	19.99	18.13	17.58	17.87	17.21	17.10	16.24
			Input	0.95	1.08	1.20	1.30	1.33	1.54	1.68	1.74	1.85	1.91	2.04	2.00	2.11	2.13	2.30	2.29	2.23	2.39	2.44
	70°F (21.1°C)	59°F (15°C)	TC	17.92	19.76	21.27	21.85	22.13	22.54	23.27	23.33	24.87	25.16	25.98	26.38	27.05	24.45	22.79	21.74	20.27	19.27	17.34
			SC	10.86	12.19	13.93	14.83	14.98	16.09	16.57	17.37	18.47	18.59	20.00	20.84	21.05	19.10	18.41	18.63	17.93	17.79	17.18
			Input	0.95	1.08	1.21	1.31	1.35	1.54	1.66	1.73	1.86	1.91	2.01	2.00	2.10	2.12	2.28	2.28	2.23	2.38	2.48
	75°F (23.9°C)	63°F (17.2°C)	TC	18.81	20.87	22.25	23.00	23.49	23.63	24.49	24.74	26.15	26.68	27.09	27.98	28.32	25.87	23.79	22.74	21.31	20.12	18.08
			SC	11.32	12.82	14.50	15.52	15.81	16.76	17.35	18.32	19.33	19.60	20.74	21.98	21.94	20.10	19.09	19.39	18.75	18.47	17.84
			Input	0.95	1.09	1.20	1.30	1.36	1.52	1.66	1.75	1.86	1.93	1.97	2.02	2.11	2.15	2.26	2.26	2.25	2.38	2.43
	80°F (26.7°C)	67°F (19.4°C)	TC	20.01	21.99	23.64	24.26	24.89	25.13	25.65	26.26	27.42	28.03	28.61	29.24	29.81	27.12	24.79	23.71	22.55	21.00	19.13
			SC	11.98	13.43	15.32	16.28	16.65	17.72	18.08	19.33	20.15	20.46	21.80	22.83	22.98	20.97	19.78	20.09	19.71	19.17	18.79
			Input	0.95	1.09	1.20	1.29	1.39	1.55	1.64	1.76	1.86	1.91	1.97	2.03	2.09	2.14	2.21	2.24	2.25	2.35	2.43
CVH-27-3SH (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	26.22	27.08	28.21	29.21	29.36	29.98	31.26	32.01	32.80	32.59	33.55	34.44	33.71	30.53	27.91	26.85	25.52	22.99	20.60
			SC	16.69	17.15	18.91	20.08	19.99	21.47	23.19	23.44	23.91	24.33	26.45	26.36	26.30	24.43	22.43	23.06	23.12	21.71	20.53
			Input	1.46	1.63	1.83	1.91	2.03	2.17	2.29	2.39	2.40	2.46	2.61	2.79	2.79	2.97	3.47	3.51	3.46	3.51	3.62
	70°F (21.1°C)	59°F (15°C)	TC	27.40	28.63	29.89	30.84	31.20	31.66	32.84	33.48	34.16	34.38	34.99	35.91	35.22	32.48	29.44	28.20	26.97	24.43	21.49
			SC	17.36	18.03	19.93	21.08	21.12	22.54	24.24	24.40	24.74	25.53	27.42	27.32	27.35	25.83	23.54	24.07	24.32	22.95	21.33
			Input	1.44	1.62	1.82	1.91	2.06	2.20	2.30	2.38	2.40	2.48	2.60	2.79	2.76	3.04	3.45	3.50	3.47	3.53	3.61
	75°F (23.9°C)	63°F (17.2°C)	TC	28.97	30.33	31.69	32.16	33.12	32.98	34.39	35.06	35.96	36.34	37.22	37.84	37.47	34.22	30.86	29.88	28.16	25.61	22.62
			SC	18.25	18.99	21.02	21.87	22.29	23.36	25.23	25.43	25.89	26.85	29.02	28.66	28.90	27.08	24.54	25.33	25.24	23.90	22.35
			Input	1.44	1.63	1.83	1.91	2.06	2.15	2.29	2.37	2.41	2.49	2.64	2.78	2.81	3.05	3.45	3.53	3.46	3.50	3.57
	80°F (26.7°C)	67°F (19.4°C)	TC	30.65	32.27	33.61	34.18	34.65	35.01	36.08	37.02	38.21	38.62	39.01	39.42	39.86	36.06	32.83	31.15	29.54	27.13	23.83
			SC	19.22	20.10	22.18	23.14	23.18	24.65	26.34	26.69	27.36	28.39	30.27	29.68	30.57	28.38	25.97	26.26	26.32	25.21	23.43
			Input	1.45	1.65	1.83	1.93	2.04	2.16	2.26	2.36	2.45	2.54	2.64	2.73	2.84	3.34	3.49	3.46	3.42	3.54	3.54
CVH-36-4SH (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	34.72	35.71	37.31	38.50	39.53	40.82	40.94	42.23	41.83	43.74	43.77	44.97	45.89	44.41	41.32	39.44	37.03	34.50	31.26
			SC	21.12	22.40	25.06	25.04	28.14	28.31	29.99	31.65	30.82	34.10	32.99	36.00	35.01	35.68	33.91	33.44	33.48	32.13	31.16
			Input	2.16	2.38	2.64	2.84	3.09	3.33	3.48	3.70	3.84	4.02	4.04	4.23	4.29	4.75	4.90	4.85	4.90	5.05	5.13
	70°F (21.1°C)	59°F (15°C)	TC	36.58	37.82	39.69	40.61	41.18	42.88	43.19	44.73	44.17	46.48	46.42	47.43	48.61	46.40	43.22	41.69	39.15	36.40	33.01
			SC	22.14	23.60	26.51	26.27	29.14	29.55	31.46	33.31	32.39	36.05	34.82	37.74	36.92	37.11	35.29	35.14	35.21	33.70	32.77
			Input	2.15	2.41	2.68	2.83	3.03	3.33	3.46	3.75	3.81	4.07	4.05	4.20	4.32	4.66	4.87	4.89	4.87	5.06	5.12
	75°F (23.9°C)	63°F (17.2°C)	TC	38.43	39.86	42.05	42.88	43.30	44.66	45.51	46.74	46.45	48.47	49.02	49.93	51.17	48.44	45.50	43.43	41.16	38.68	34.93
			SC	23.15	24.71	27.92	27.58	30.47	30.60	32.97	34.60	33.85	37.41	36.56	39.48	38.64	38.50	36.95	36.37	36.84	35.61	34.53
			Input	2.16	2.43	2.69	2.83	3.02	3.27	3.45	3.71	3.83	4.00	4.06	4.21	4.34	4.65	4.87	4.82	4.86	5.08	5.13
	80°F (26.7°C)	67°F (19.4°C)	TC	40.24	42.36	44.12	44.76	45.49	46.92	48.26	49.72	49.31	50.49	51.76	53.06	54.26	51.31	48.30	45.86	43.47	40.33	36.62
			SC	24.10	26.09	29.12	28.65	31.84	31.95	34.80	36.60	35.70	38.72	38.41	41.71	40.75	40.59	39.02	38.20	38.69	36.90	36.03
			Input	2.13	2.43	2.70	2.83	3.00	3.29	3.49	3.71	3.84	3.95	4.08	4.22	4.35	4.76	4.94	4.89	4.85	5.00	5.06
CVH-48-5SH (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	42.52	44.95	46.23	47.80	47.41	48.45	49.90	49.59	46.90	47.58	47.71	48.33	48.63	47.55	46.97	43.90	42.46	39.52	35.65
			SC	25.49	29.35	31.18	32.61	32.35	35.46	36.66	35.83	34.87	36.68	36.25	37.67	38.81	38.26	38.55	37.56	38.08	36.79	35.39
			Input	1.78	2.07	2.23	2.40	2.44	2.83	3.09	3.25	3.06	3.27	3.36	3.69	3.86	4.19	4.79	4.73	4.69	4.89	5.05
	70°F (21.1°C)	59°F (15°C)	TC	45.00	47.81	48.82	49.95	50.12	50.79	52.14	52.20	49.00	50.40	50.17	50.66	51.02	50.21	49.03	46.56	44.46	41.56	37.49
			SC	26.81	31.05	32.72	33.87	34.02	36.98	38.11	37.51	36.26	38.66	37.94	39.27	40.54	40.16	40.04	39.65	39.67	38.48	37.07
			Input	1.80	2.07	2.22	2.41	2.47	2.83	3.06	3.24	3.04	3.29	3.38	3.64	3.86	4.20	4.78	4.75	4.68	4.87	5.02
	75°F (23.9°C)	63°F (17.2°C)	TC	47.17	50.01	51.50	52.75	52.98	53.80	54.54	55.35	51.47	52.83	53.32	53.49	53.71	52.85	51.78	48.80	46.65	43.61	39.25
			SC	27.96	32.27	34.30	35.53	35.76	38.93	39.64	39.55	37.89	40.31	40.11	41.27	42.48	42.01	42.08	41.33	41.42	40.13	38.67
			Input	1.81	2.04	2.25	2.40	2.49	2.87	3.04	3.23	3.02	3.24	3.42	3.65	3.87	4.19	4.77	4.69	4.65	4.82	5.01
	80°F (26.7°C)	67°F (19.4°C)	TC	49.86	52.48	54.67	55.46	56.36	56.93	57.54	58.20	54.53	55.03	55.54	56.01	56.48	55.46	54.22	51.70	48.80	45.57	41.19
			SC	29.42	33.69	36.25	37.16	37.87	40.93	41.60	41.32	39.91	41.77	41.54	43.02	44.45	43.81	43.81	43.53	43.09	41.74	40.37
			Input	1.81	2.03	2.26	2.38	2.51	2.91	3.06	3.20	3.03	3.22	3.42	3.65	3.89	4.52	4.72	4.68	4.62	4.80	5.00

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 -30°C	-13°F -25°C	-4°F -20°C	0°F -17.8°C	5°F -15°C	10°F -12.2°C	17°F -8.3°C	20°F -6.7°C	25°F -3.9°C	32°F 0°C	35°F 1.7°C	40°F 4.4°C	47°F 8.3°C	50°F 10°C	57°F 13.9°C
CVH-18-2SH (208-230V)	60°F (15.6°C)	TC	14.92	16.57	18.70	19.29	20.11	21.90	23.66	24.13	24.57	25.13	25.15	28.32	31.46	32.47	33.16
		Input	3.07	2.97	2.85	2.78	2.71	2.74	2.81	2.59	2.43	2.29	2.15	2.34	2.55	2.49	2.45
	65°F (18.3°C)	TC	14.42	16.14	18.07	18.78	19.54	21.24	22.91	23.51	23.85	24.31	24.51	27.52	30.60	31.46	32.22
		Input	3.15	3.06	2.90	2.84	2.78	2.82	2.87	2.66	2.49	2.34	2.20	2.40	2.62	2.55	2.51
	70°F (21.1°C)	TC	14.00	15.73	17.47	18.27	18.99	20.70	22.30	22.72	23.13	23.53	23.92	26.69	29.77	30.58	31.25
		Input	3.21	3.13	2.98	2.91	2.84	2.88	2.94	2.73	2.54	2.39	2.27	2.47	2.70	2.63	2.56
	75°F (23.9°C)	TC	13.51	15.08	16.69	17.63	18.29	19.91	21.30	21.88	22.30	22.59	22.96	25.55	28.63	29.35	29.85
		Input	3.31	3.22	3.06	2.98	2.93	2.96	3.01	2.82	2.62	2.47	2.35	2.55	2.77	2.70	2.64
CVH-27-3SH (208-230V)	60°F (15.6°C)	TC	17.59	20.18	22.56	23.52	24.47	26.26	27.53	29.18	31.11	32.37	33.86	37.32	41.23	42.08	42.91
		Input	4.03	4.10	3.92	3.79	3.71	3.57	3.50	3.50	3.54	3.54	3.57	3.72	3.88	3.80	3.65
	65°F (18.3°C)	TC	17.16	19.61	21.96	22.84	23.73	25.40	26.80	28.47	30.09	31.55	32.75	36.16	39.87	40.85	41.75
		Input	4.13	4.19	4.00	3.90	3.80	3.64	3.59	3.58	3.62	3.65	3.66	3.83	3.96	3.90	3.76
	70°F (21.1°C)	TC	16.65	19.13	21.26	22.13	23.11	24.64	26.05	27.56	29.10	30.60	31.92	35.28	38.71	39.62	40.65
		Input	4.23	4.31	4.11	4.00	3.91	3.76	3.67	3.69	3.71	3.74	3.74	3.91	4.07	3.98	3.87
	75°F (23.9°C)	TC	16.01	18.33	20.33	21.36	22.14	23.60	24.90	26.35	27.88	29.50	30.71	33.94	37.05	38.12	39.23
		Input	4.36	4.45	4.21	4.14	4.03	3.87	3.78	3.80	3.83	3.83	3.87	4.02	4.19	4.08	4.00
CVH-36-4SH (208-230V)	60°F (15.6°C)	TC	22.41	26.23	28.78	30.25	31.53	34.74	37.28	38.26	39.29	40.04	41.48	47.72	53.57	54.90	56.74
		Input	5.22	5.31	5.12	4.97	4.81	4.96	4.92	4.77	4.64	4.53	4.40	4.76	4.88	4.76	4.67
	65°F (18.3°C)	TC	21.78	25.44	28.08	29.31	30.64	33.86	36.34	37.18	38.00	39.03	40.11	46.42	52.06	53.30	54.93
		Input	5.35	5.45	5.23	5.10	4.95	5.07	5.04	4.88	4.77	4.63	4.52	4.88	5.00	4.87	4.78
	70°F (21.1°C)	TC	21.16	24.61	27.34	28.54	29.72	32.71	35.21	36.10	37.00	37.89	38.94	45.20	50.64	51.80	53.18
		Input	5.51	5.62	5.35	5.22	5.10	5.19	5.19	5.02	4.88	4.74	4.63	4.99	5.16	5.00	4.90
	75°F (23.9°C)	TC	20.34	23.52	26.25	27.51	28.62	31.44	33.70	34.62	35.34	36.34	37.35	43.62	48.87	49.88	51.26
		Input	5.69	5.77	5.51	5.37	5.27	5.36	5.34	5.18	5.04	4.90	4.76	5.15	5.31	5.14	5.05
CVH-48-5SH (208-230V)	60°F (15.6°C)	TC	33.19	39.01	43.43	45.29	47.49	48.22	49.13	51.55	53.63	56.06	57.81	60.14	62.68	64.11	65.56
		Input	6.58	6.68	6.35	6.19	6.04	5.99	5.93	5.93	5.93	6.01	6.02	5.63	5.30	5.16	5.03
	65°F (18.3°C)	TC	32.38	37.91	42.21	44.14	45.92	47.05	47.70	50.10	52.07	54.22	56.35	58.62	60.74	62.48	63.84
		Input	6.72	6.83	6.48	6.32	6.19	6.17	6.07	6.10	6.09	6.17	6.20	5.75	5.42	5.26	5.16
	70°F (21.1°C)	TC	31.35	36.88	40.98	42.82	44.54	45.63	46.54	48.64	50.75	52.74	54.87	56.91	59.08	60.49	62.04
		Input	6.93	6.99	6.66	6.48	6.34	6.30	6.22	6.25	6.28	6.30	6.36	5.92	5.55	5.42	5.27
	75°F (23.9°C)	TC	30.13	35.41	39.42	41.06	42.81	43.71	44.77	46.70	48.77	50.37	52.73	54.86	56.90	57.95	59.49
		Input	7.12	7.17	6.84	6.65	6.54	6.47	6.39	6.47	6.46	6.46	6.53	6.11	5.72	5.57	5.40

LEGEND

DB --- Dry Bulb

WB --- Wet Bulb

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

Input --- Total Power (kW)

COP --- W/W