



ACiQ 36K-48K Ceiling Cassette & Platinum Single-Zone Condenser Extended Heating & Cooling Performance Tables

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		
ACiQ-36CC-HH-MB ACiQ-36ZPL-HP230B (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	29.46	32.11	32.54	33.72	34.26	36.00	35.64	37.32	37.57	36.42	36.65	37.17	36.36	35.72	33.97	32.10	30.86	28.51	25.28	
			SC	18.47	20.61	22.09	22.58	23.09	25.20	25.62	27.16	27.62	27.50	27.66	28.97	29.01	28.40	27.88	27.14	27.06	26.50	25.25	
	Input	1.69	1.99	2.13	2.31	2.38	2.54	2.66	3.00	3.06	3.06	3.25	3.55	3.89	4.14	4.34	4.48	4.48	4.39	4.48	4.49	4.52	
	70°F (21.1°C)	59°F (15°C)	TC	31.30	33.72	34.54	35.38	35.80	37.81	37.83	39.16	39.13	38.67	38.70	38.84	38.27	37.29	35.46	33.62	32.18	29.91	26.36	
			SC	19.51	21.52	23.33	23.57	23.97	26.30	27.07	28.32	28.62	29.06	29.03	30.08	30.35	29.50	28.97	28.28	28.05	27.68	26.50	26.22
	Input	1.70	1.99	2.13	2.30	2.36	2.55	2.70	2.96	3.06	3.06	3.29	3.54	3.88	4.13	4.30	4.45	4.40	4.39	4.43	4.43	4.49	
	75°F (23.9°C)	63°F (17.2°C)	TC	33.19	35.50	36.67	37.25	37.96	40.10	40.24	40.88	40.89	40.28	40.48	41.11	40.67	39.29	37.05	35.16	33.70	31.52	27.95	
			SC	20.58	22.54	24.64	24.66	25.29	27.75	28.62	29.42	29.74	30.12	30.22	31.69	32.11	30.92	30.08	29.45	29.20	29.00	27.71	
	Input	1.71	1.97	2.16	2.30	2.39	2.59	2.74	2.91	3.02	3.02	3.22	3.53	3.88	4.17	4.27	4.38	4.35	4.34	4.46	4.46	4.53	
	80°F (26.7°C)	67°F (19.4°C)	TC	34.90	37.13	38.68	39.25	39.88	42.12	42.63	43.26	42.68	42.80	42.93	43.04	43.17	41.14	39.37	37.25	35.44	33.01	29.42	
			SC	21.54	23.43	25.88	25.83	26.40	28.98	30.14	30.93	30.90	31.85	31.89	32.97	33.89	32.21	31.81	31.03	30.51	30.20	29.04	
	Input	1.70	1.95	2.17	2.29	2.41	2.61	2.74	2.92	3.02	3.02	3.26	3.53	3.86	4.18	4.23	4.43	4.38	4.34	4.45	4.45	4.52	
ACiQ-48CC-HH-MB ACiQ-48ZPL-HP230B (208-230V)	65°F (18.3°C)	54°F (12.2°C)	TC	39.30	41.24	43.69	44.06	45.28	48.55	47.86	49.16	46.40	45.85	45.83	45.04	45.60	43.31	42.86	39.14	37.26	35.23	30.41	
			SC	24.94	25.68	29.08	29.54	31.19	34.91	34.89	35.81	33.76	35.06	35.82	34.30	35.77	33.72	34.97	33.70	33.97	33.44	30.35	
	Input	1.96	2.17	2.46	2.58	2.76	3.14	3.32	3.47	3.40	3.53	3.68	3.80	4.00	4.57	5.96	5.90	5.62	6.05	6.06			
	70°F (21.1°C)	59°F (15°C)	TC	40.98	43.87	46.38	46.19	47.86	50.89	50.38	51.85	48.84	47.86	48.14	47.82	47.55	45.69	44.65	41.47	39.55	36.78	32.24	
			SC	25.85	27.18	30.70	30.82	32.78	36.42	36.56	37.56	35.33	36.40	37.43	36.24	37.09	35.39	36.26	35.53	35.88	34.70	32.06	
	Input	1.95	2.19	2.50	2.57	2.77	3.12	3.29	3.48	3.42	3.48	3.69	3.83	3.96	4.60	5.94	5.87	5.72	5.96	6.06			
	75°F (23.9°C)	63°F (17.2°C)	TC	43.55	46.13	48.67	48.77	50.22	53.07	52.97	54.07	50.93	50.33	50.52	50.39	50.11	48.45	46.90	44.11	41.90	38.67	34.16	
			SC	27.30	28.42	32.01	32.40	34.22	37.76	38.24	38.99	36.67	38.09	39.03	37.97	38.83	37.31	37.90	37.62	37.79	36.31	33.83	
	Input	1.96	2.20	2.49	2.59	2.74	3.10	3.26	3.44	3.40	3.48	3.70	3.83	3.93	4.66	5.97	5.87	5.81	5.98	6.11			
	80°F (26.7°C)	67°F (19.4°C)	TC	45.79	48.72	50.75	51.61	52.32	56.10	56.23	56.38	53.22	53.09	52.95	52.81	52.69	50.84	48.90	46.43	44.01	40.84	36.26	
			SC	28.58	29.86	33.19	34.06	35.42	39.72	40.38	40.43	38.11	39.92	40.72	39.61	40.57	38.94	39.27	39.38	39.44	38.10	35.79	
	Input	1.94	2.22	2.47	2.60	2.74	3.13	3.27	3.44	3.41	3.53	3.65	3.78	3.93	5.56	5.86	5.82	5.74	6.00	6.13			

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		-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						
	DB	WB	-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						
ACiQ-36CC-HH-MB ACiQ-36ZPL-HP230B (208-230V)	60°F (15.6°C)	54°F (12.2°C)	TC	28.21	33.29	36.74	38.51	40.09	43.15	46.51	47.57	49.54	50.80	51.89	51.38	51.72	52.91	54.62					
			SC	5.85	6.08	5.71	5.60	5.51	5.64	5.87	5.84	5.87	5.87	5.85	5.17	4.52	4.37	4.26					
	Input	6.01	6.24	5.88	5.72	5.63	5.76	6.00	5.99	6.03	6.02	6.01	5.28	4.64	4.50	4.39							
	70°F (21.1°C)	59°F (15°C)	TC	26.65	31.35	34.83	36.41	37.86	40.55	43.84	45.10	46.38	47.65	48.96	48.90	48.85	50.12	51.29					
			SC	6.17	6.36	6.06	5.89	5.77	5.94	6.16	6.16	6.17	6.18	6.19	5.42	4.74	4.64	4.50					
	Input	6.17	6.36	6.06	5.89	5.77	5.94	6.16	6.16	6.17	6.18	6.19	5.42	4.74	4.64	4.50							
	75°F (23.9°C)	63°F (17.2°C)	TC	25.47	29.97	33.47	35.02	36.23	39.09	42.18	43.38	44.43	45.75	46.90	46.80	46.75	48.01	49.03					
			SC	6.35	6.55	6.24	6.05	5.96	6.10	6.32	6.36	6.35	6.36	6.35	5.57	4.90	4.80	4.63					
	Input	6.35	6.55	6.24	6.05	5.96	6.10	6.32	6.36	6.35	6.36	6.35	5.57	4.90	4.80	4.63							
	ACiQ-48CC-HH-MB ACiQ-48ZPL-HP230B (208-230V)	60°F (15.6°C)	54°F (12.2°C)	TC	35.99	40.96	45.74	48.04	49.18	50.34	50.34	52.51	54.58	57.30	59.05	60.55	62.24	63.87	64.78				
				SC	7.03	7.17	6.88	6.70	6.52	5.98	5.57	5.76	5.90	6.03	6.22	5.76	5.42	5.25	5.11				
		Input	7.03	7.17	6.88	6.70	6.52	5.98	5.57	5.76	5.90	6.03	6.22	5.76	5.42	5.25	5.11						
65°F (18.3°C)		59°F (15°C)	TC	34.84	39.89	44.23	46.46	47.94	48.78	49.02	50.88	52.83	55.37	57.10	58.51	60.25	61.83	62.77					
			SC	7.20	7.38	7.04	6.86	6.66	6.12	5.74	5.91	6.07	6.18	6.40	5.91	5.55	5.41	5.26					
Input		7.20	7.38	7.04	6.86	6.66	6.12	5.74	5.91	6.07	6.18	6.40	5.91	5.55	5.41	5.26							
70°F (21.1°C)		63°F (17.2°C)	TC	33.69	38.72	43.03	44.97	46.77	47.22	47.73	49.64	51.55	53.49	55.44	56.91	58.32	59.80	61.24					
			SC	7.40	7.55	7.19	7.01	6.85	6.26	5.86	6.03	6.20	6.37	6.53	6.04	5.69	5.55	5.40					
Input		7.40	7.55	7.19	7.01	6.85	6.26	5.86	6.03	6.20	6.37	6.53	6.04	5.69	5.55	5.40							
75°F (23.9°C)		63°F (17.2°C)	TC	32.21	37.21	41.35	43.35	44.94	45.19	45.63	47.60	49.59	51.41	53.39	54.81	55.88	57.70	58.55					
			SC	7.61	7.78	7.39	7.22	7.07	6.42	6.03	6.24	6.41	6.54	6.70	6.24	5.84	5.69	5.58					
Input		7.61	7.78	7.39	7.22	7.07	6.42	6.03	6.24	6.41	6.54	6.70	6.24	5.84	5.69	5.58							

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