

4TH Gen DIY Multizone Performance Specifications

COOLING PERFORMANCE DATA | LEGEND: DB --- Dry Bulb, WB --- Wet Bulb, TC --- Total Net Capacity (1000 Btu/hour), SC --- Sensible Capacity (1000 Btu/hour), Input --- Total Power (kW)

Model	Cooling		Outdoor Conditions (DB)																			
			Operational Testing				Low Ambient Cooling					Standard										
	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	
DIY-09-HP-WMAH-230C25*2 DIY-MULTI2-18HP230C (208-230V)	65°F (18.3° C)	54°F (12.2° C)	TC					19.92	21.97	22.27	21.47	21.77	20.88	20.14	19.55	18.04	18.36	18.97	16.52	13.84	11.27	8.85
			SC					13.96	15.58	16.19	15.97	16.46	16.26	15.26	15.70	13.78	14.76	15.26	14.04	12.21	10.67	8.81
			Input					1.44	1.67	1.67	1.71	1.75	1.71	1.74	1.70	1.65	1.86	2.08	1.88	1.61	1.45	1.28
	70°F (21.1° C)	59°F (15°C)	TC					21.08	23.25	23.32	22.69	23.14	22.12	21.24	20.58	19.13	19.49	20.09	17.21	14.70	11.97	9.32
			SC					14.69	16.40	16.86	16.78	17.41	17.12	16.00	16.42	14.54	15.57	16.09	14.54	12.91	11.28	9.25
			Input					1.45	1.67	1.68	1.70	1.75	1.72	1.73	1.72	1.67	1.87	2.07	1.87	1.62	1.46	1.27
	75°F (23.9° C)	63°F (17.2° C)	TC					22.24	24.58	24.49	23.83	24.43	23.40	22.48	21.48	20.31	20.37	21.09	18.15	15.53	12.55	9.79
			SC					15.41	17.24	17.61	17.51	18.29	18.02	16.83	17.04	15.34	16.16	16.80	15.25	13.54	11.76	9.67
			Input					1.46	1.66	1.68	1.69	1.77	1.74	1.74	1.70	1.69	1.85	2.05	1.87	1.64	1.46	1.26
	80°F (26.7° C)	67°F (19.4° C)	TC					23.66	26.09	25.62	25.12	25.83	24.69	23.51	22.42	21.27	21.62	21.99	19.29	16.19	13.10	10.21
			SC					16.30	18.21	18.32	18.33	19.24	18.91	17.49	17.69	15.97	17.08	17.41	16.13	14.05	12.20	10.04
			Input					1.49	1.67	1.68	1.69	1.76	1.75	1.73	1.70	1.68	2.00	2.04	1.87	1.63	1.44	1.25
DIY-09-HP-WMAH-230C25*3 DIY-MULTI3-27HP230C (208-230V)	65°F (18.3° C)	54°F (12.2° C)	TC					27.06	29.30	29.11	29.30	30.89	30.71	31.28	31.45	30.89	29.41	28.00	24.00	20.05	15.73	12.12
			SC					18.97	20.77	21.06	21.34	22.72	22.77	23.99	24.14	24.45	22.88	22.65	20.52	18.33	14.64	12.03
			Input					2.01	2.20	2.25	2.26	2.41	2.47	2.63	2.75	2.77	3.06	3.24	3.01	2.59	2.33	2.12
	70°F (21.1° C)	59°F (15°C)	TC					28.21	30.62	30.57	31.10	32.52	32.09	32.76	32.97	32.69	31.26	29.73	25.37	20.89	16.51	12.68
			SC					19.68	21.58	21.99	22.55	23.79	23.68	25.00	25.15	25.75	24.18	23.90	21.59	19.00	15.27	12.54
			Input					2.01	2.17	2.23	2.29	2.40	2.45	2.62	2.72	2.79	3.11	3.26	2.99	2.55	2.33	2.10
	75°F (23.9° C)	63°F (17.2° C)	TC					29.48	31.99	32.49	32.43	33.98	33.78	34.33	34.56	34.63	33.11	31.00	26.73	21.89	17.32	13.33
			SC					20.44	22.40	23.22	23.37	24.71	24.81	26.08	26.21	27.14	25.46	24.79	22.60	19.83	15.95	13.14
			Input					2.01	2.16	2.24	2.27	2.40	2.45	2.61	2.71	2.82	3.10	3.22	2.96	2.55	2.32	2.09
	80°F (26.7° C)	67°F (19.4° C)	TC					31.26	33.50	33.91	34.32	35.39	35.60	35.80	36.00	36.23	34.60	32.94	28.44	23.04	18.21	14.03
			SC					21.54	23.32	24.11	24.57	25.59	26.02	27.03	27.14	28.22	26.47	26.19	23.89	20.74	16.68	13.78
			Input					2.03	2.14	2.21	2.28	2.37	2.46	2.58	2.69	2.83	3.15	3.28	2.98	2.54	2.29	2.07
DIY-09-HP-WMAH-230C25*4 DIY-MULTI4-36HP230C (208-230V)	65°F (18.3° C)	54°F (12.2° C)	TC					35.70	35.99	37.05	40.31	38.23	38.39	39.43	39.29	39.52	35.41	33.48	27.41	21.44	16.39	12.50
			SC					24.93	26.26	27.43	29.51	28.52	29.27	30.77	30.58	30.52	28.73	26.79	22.83	18.99	15.64	12.50
			Input					2.79	2.96	3.05	3.40	3.42	3.52	3.57	3.63	3.68	3.75	4.25	3.61	3.02	2.46	2.11
	70°F (21.1° C)	59°F (15°C)	TC					37.38	37.53	39.28	42.74	40.20	40.62	41.12	40.97	42.00	37.67	35.17	28.79	22.66	17.30	13.25
			SC					25.94	27.24	28.93	31.11	29.85	30.82	31.88	31.69	32.25	30.41	28.00	23.87	19.99	16.42	13.20
			Input					2.77	2.93	3.06	3.45	3.42	3.53	3.54	3.57	3.73	3.83	4.25	3.61	3.00	2.47	2.11
	75°F (23.9° C)	63°F (17.2° C)	TC					39.43	39.09	41.53	44.71	42.58	42.54	42.83	43.49	44.40	40.07	37.29	30.34	23.66	18.23	13.82
			SC					27.22	28.24	30.42	32.35	31.44	32.06	33.02	33.49	33.87	32.17	29.53	25.03	20.75	17.21	13.71
			Input					2.79	2.88	3.09	3.40	3.41	3.48	3.48	3.60	3.74	3.89	4.27	3.64	2.95	2.44	2.09
	80°F (26.7° C)	67°F (19.4° C)	TC					41.24	41.19	43.85	46.62	44.40	44.87	45.37	45.88	46.35	42.36	38.97	31.60	24.80	19.21	14.50
			SC					28.33	29.57	31.97	33.57	32.63	33.65	34.80	35.14	35.18	33.85	30.67	25.94	21.62	18.02	14.33
			Input					2.80	2.87	3.10	3.34	3.36	3.45	3.53	3.62	3.71	4.11	4.27	3.58	2.93	2.47	2.07
DIY-09-HP-WMAH-230C25*4 + DIY-12-HP-WMAH-230C25 DIY-MULTI5-48HP230C (208-230V)	65°F (18.3° C)	54°F (12.2° C)	TC					44.66	45.72	45.72	45.18	44.85	45.93	46.79	47.74	47.79	45.15	43.12	35.60	28.86	22.90	17.39
			SC					30.61	33.20	33.43	32.90	33.77	35.15	36.28	37.21	38.11	35.80	35.87	29.46	26.16	21.19	17.34
			Input					3.45	3.63	3.67	3.73	3.76	4.02	4.00	4.25	4.31	4.63	4.93	4.61	4.45	4.82	4.97
	70°F (21.1° C)	59°F (15°C)	TC					47.21	48.53	47.72	47.91	47.01	48.05	48.95	49.78	50.36	47.87	45.25	37.27	30.54	24.25	18.48
			SC					32.18	35.08	34.67	34.69	35.21	36.59	37.73	38.58	39.96	37.78	37.42	30.68	27.54	22.34	18.35
			Input					3.48	3.68	3.67	3.74	3.79	3.97	4.02	4.19	4.35	4.62	4.96	4.57	4.46	4.89	4.98
	75°F (23.9° C)	63°F (17.2° C)	TC					49.49	50.87	50.18	50.81	49.12	50.36	51.41	51.97	52.46	50.18	47.18	38.99	32.25	25.26	19.60
			SC					33.56	36.60	36.26	36.57	36.62	38.17	39.38	40.04	41.37	39.37	38.82	31.90	28.91	23.12	19.39
			Input					3.49	3.67	3.63	3.74	3.75	3.96	4.03	4.18	4.32	4.57	4.94	4.59	4.47	4.79	4.97
	80°F (26.7° C)	67°F (19.4° C)	TC					52.53	52.99	53.04	53.09	52.20	53.07	54.01	54.93	55.81	52.94	49.83	41.26	33.66	26.79	20.52
			SC					35.46	37.89	38.09	38.02	38.74	40.01	41.15	42.13	43.81	41.34	40.76	33.54	30.03	24.38	20.21
			Input					3.55	3.63	3.67	3.70	3.79	3.92	4.05	4.18	4.32	4.84	4.99	4.63	4.44	4.78	4.95

4TH Gen DIY Multizone Performance Specifications

HEATING PERFORMANCE DATA **LEGEND: DB --- Dry Bulb , WB --- Wet Bulb, TC --- Total Net Capacity (1000 Btu/hour), SC --- Sensible Capacity (1000 Btu/hour), Input --- Total Power (kW)**

Model	Heating		Outdoor 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
	Indoor Conditions DB		-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
DIY-09-HP-WMAH-230C25*2 DIY-MULTI2-18HP230C (208-230V)	60°F (15.6°C)	TC		9.04	11.68	13.61	15.31	15.72	15.85	17.06	18.18	19.34	20.48	21.62	22.68	23.50	24.07
		Input		1.68	1.80	1.88	1.96	1.98	1.98	1.98	1.98	1.96	1.93	1.92	1.95	1.88	1.84
	65°F (18.3°C)	TC		8.75	11.37	13.24	14.89	15.19	15.45	16.53	17.60	18.74	19.79	21.03	22.08	22.84	23.30
		Input		1.73	1.84	1.93	2.00	2.03	2.03	2.03	2.02	2.01	1.98	1.96	1.99	1.93	1.88
	70°F (21.1°C)	TC		8.50	11.00	12.84	14.50	14.75	15.00	16.09	17.12	18.17	19.25	20.32	21.52	22.09	22.60
		Input		1.78	1.90	1.98	2.04	2.07	2.09	2.09	2.07	2.06	2.03	2.02	2.03	1.98	1.93
75°F (23.9°C)	TC		8.12	10.62	12.27	13.95	14.16	14.42	15.42	16.46	17.52	18.46	19.57	20.66	21.27	21.74	
	Input		1.83	1.95	2.04	2.11	2.12	2.15	2.14	2.13	2.13	2.10	2.08	2.10	2.04	2.00	
DIY-09-HP-WMAH-230C25*3 DIY-MULTI3-27HP230C (208-230V)	60°F (15.6°C)	TC		12.19	15.09	18.04	20.11	20.87	21.66	22.40	23.04	23.76	24.82	29.33	34.39	35.40	36.32
		Input		2.66	2.39	2.59	2.70	2.76	2.77	2.76	2.69	2.65	2.65	2.80	2.97	2.91	2.82
	65°F (18.3°C)	TC		11.80	14.71	17.43	19.54	20.22	20.97	21.64	22.41	23.09	24.03	28.48	33.49	34.21	35.26
		Input		2.74	2.44	2.67	2.76	2.83	2.84	2.82	2.76	2.72	2.71	2.88	3.05	2.97	2.89
	70°F (21.1°C)	TC		11.50	14.32	16.86	18.94	19.73	20.40	21.11	21.78	22.46	23.22	27.57	32.48	33.21	34.10
		Input		2.81	2.51	2.72	2.83	2.89	2.92	2.88	2.84	2.80	2.78	2.96	3.13	3.05	2.98
75°F (23.9°C)	TC		11.01	13.79	16.12	18.14	19.04	19.69	20.25	20.80	21.65	22.33	26.36	31.11	31.78	32.67	
	Input		2.89	2.57	2.81	2.92	2.96	3.00	2.97	2.91	2.88	2.87	3.04	3.22	3.14	3.06	
DIY-09-HP-WMAH-230C25*4 DIY-MULTI4-36HP230C (208-230V)	60°F (15.6°C)	TC		16.16	21.33	23.72	26.04	27.99	29.96	31.22	32.46	33.24	34.77	37.28	40.49	41.61	42.31
		Input		3.70	3.92	4.01	4.09	4.12	4.11	4.04	4.06	4.01	3.98	3.97	4.01	3.84	3.80
	65°F (18.3°C)	TC		15.63	20.73	22.94	25.31	27.28	29.14	30.37	31.52	32.43	33.59	36.30	39.16	40.24	41.20
		Input		3.80	4.01	4.11	4.21	4.22	4.21	4.13	4.14	4.10	4.07	4.08	4.10	3.96	3.89
	70°F (21.1°C)	TC		15.10	20.20	22.29	24.60	26.46	28.32	29.37	30.51	31.61	32.68	35.42	38.05	39.07	39.96
		Input		3.92	4.13	4.24	4.34	4.33	4.29	4.26	4.25	4.21	4.18	4.19	4.19	4.08	3.98
75°F (23.9°C)	TC		14.47	19.33	21.40	23.59	25.38	27.33	28.11	29.23	30.35	31.21	34.18	36.42	37.70	38.40	
	Input		4.05	4.27	4.38	4.47	4.44	4.40	4.38	4.35	4.32	4.29	4.33	4.33	4.22	4.10	
DIY-09-HP-WMAH-230C25*4 + DIY-12-HP-WMAH-230C25 DIY-MULTI5-48HP230C (208-230V)	60°F (15.6°C)	TC		20.96	26.60	28.78	31.75	34.22	37.00	37.35	38.55	39.72	40.52	45.82	51.47	53.40	54.62
		Input		4.09	4.61	4.59	4.72	4.75	4.86	4.66	4.52	4.43	4.39	4.65	5.00	4.79	4.72
	65°F (18.3°C)	TC		20.41	25.95	28.02	30.98	33.12	35.78	36.44	37.50	38.42	39.27	44.40	50.21	51.69	52.93
		Input		4.19	4.71	4.72	4.84	4.88	4.96	4.79	4.66	4.56	4.51	4.77	5.11	4.94	4.84
	70°F (21.1°C)	TC		19.80	25.10	27.31	29.96	32.07	34.64	35.48	36.34	37.26	38.16	43.02	48.84	50.14	51.28
		Input		4.30	4.81	4.84	4.98	5.01	5.07	4.92	4.80	4.69	4.61	4.88	5.23	5.08	4.97
75°F (23.9°C)	TC		19.01	24.14	26.36	28.88	30.82	33.29	33.89	34.88	35.92	36.71	41.34	46.94	48.18	49.13	
	Input		4.41	4.97	5.00	5.12	5.18	5.24	5.08	4.96	4.83	4.73	5.04	5.38	5.23	5.14	