

Olympus MZ Cooling Performance Specifications

Cooling performance data		LEGEND: TC --- Total Net Capacity (1000 Btu/hour) SC --- Sensible Capacity (1000 Btu/hour) Input --- Total Power (kW) DB --- Dry Bulb Temperature Measurement																					
Number of Zones	Model	Cooling		Outdoor Conditions (DB)																			
		Indoor Conditions DB		-13F	-4F	0F	5F	17F	25F	35F	47F	55F	65F	75F	80F	85F	95F	105F	110F	115F	122F		
		DB	WB	-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		
2 Zone	O-09-HP-WMAH-230B*2 MULTI-18HP230B (208-230V)	65F (18.3°C)	54F(12.2°C)	TC				22.9	22.81	22.83	22.61	22.61	22.07	21.08	20.23	19.53	19.33	18.77	18.01	16.84	16.25	14.33	
				SC	15.43	16.07	16.77	16.77	16.23	16.36	16.95	16	15.79	15.58	15.56	15.03	15.56	14.87	14.87	14.87	14.87	14.87	14.24
				Input	1.75	1.72	1.75	1.72	1.67	1.71	1.68	1.69	1.66	1.83	2.02	2	1.97	2.06	1.99				
		70F (21.1°C)	59F(15°C)	TC				24.06	23.76	23.93	23.7	24.06	23.2	22.12	21.23	20.49	20.33	19.68	18.88	18.88	17.86	17.01	15.23
				SC	16.14	16.64	17.48	16.92	17.31	17.71	16.71	16.71	16.71	16.71	16.71	16.25	16.26	15.68	16.22	15.69	15.5	15.07	
				Input	1.74	1.72	1.73	1.7	1.68	1.71	1.69	1.68	1.66	1.83	2.02	1.99	1.99	2.05	2.03				
		75F (23.9°C)	63F(17.2°C)	TC				25.38	24.93	25.19	24.79	25.51	24.63	23.21	22.56	21.78	21.29	20.93	19.85	18.94	17.72	16.03	
				SC	16.91	17.37	18.29	17.58	18.25	18.68	17.45	17.42	17.16	16.92	16.59	16.97	16.56	16.07	15.81				
				Input	1.74	1.69	1.72	1.68	1.69	1.72	1.68	1.69	1.69	1.82	2.03	1.99	1.98	2.03	2.03				
		80F (26.7°C)	67F(19.4°C)	TC				26.63	26.41	26.35	26.29	26.57	25.66	24.7	23.82	22.88	22.45	22.08	20.88	19.87	18.52	16.7	
				SC	17.66	18.3	19.03	18.56	18.92	19.37	18.47	18.32	17.91	17.76	17.42	17.74	17.29	16.7	16.4				
				Input	1.72	1.7	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.69	1.99	2.03	1.99	2.02	2				
3 Zone	O-09-HP-WMAH-230B*3 MULTI-27HP230B (208-230V)	65F (18.3°C)	54F(12.2°C)	TC				29.9	31.09	31.78	32.05	31.93	31.6	31.34	30.92	31.27	27.83	26.76	25.44	23.64	22.21	20.19	
				SC	21.13	21.79	22.52	23.43	23.61	24.25	24.1	24.81	24.38	21.86	22.22	21.26	21	20.44	20.2				
				Input	2.51	2.63	2.62	2.68	2.67	2.73	2.72	2.76	2.84	2.89	3.31	3.38	3.24	3.34	3.45				
		70F (21.1°C)	59F(15°C)	TC				31.37	32.97	33.56	33.85	33.65	33.12	33.27	32.68	32.81	29.48	27.88	26.75	24.93	23.14	21.06	
				SC	22.04	22.99	23.65	24.61	24.75	25.29	25.45	26.07	25.44	23.02	23.04	22.22	22.02	21.2	20.98				
				Input	2.51	2.66	2.64	2.69	2.66	2.75	2.76	2.82	2.94	3.29	3.34	3.24	3.28	3.4					
		75F (23.9°C)	63F(17.2°C)	TC				33.34	34.45	35.03	35.67	35.42	35.24	34.8	34.3	34.61	31.26	29.07	27.89	26.16	24.28	22.26	
				SC	23.28	23.91	24.56	25.8	25.92	26.77	26.46	27.19	26.71	24.28	23.91	23.03	22.99	22.11	22.1				
				Input	2.56	2.63	2.62	2.67	2.68	2.72	2.75	2.78	2.82	2.96	3.25	3.31	3.2	3.26	3.45				
		80F (26.7°C)	67F(19.4°C)	TC				35.28	36.19	36.76	37.42	37.05	36.86	36.67	36.48	36.31	33.26	30.44	29.05	27.39	25.56	23.33	
				SC	24.48	25	25.62	26.91	26.97	27.86	27.72	28.79	27.89	25.68	24.9	23.88	23.94	23.15	23.05				
				Input	2.57	2.6	2.64	2.68	2.69	2.72	2.76	2.79	2.83	3.17	3.25	3.24	3.18	3.27	3.4				
4 Zone	O-09-HP-WMAH-230B*4 MULTI-36HP230B (208-230V)	65F (18.3°C)	54F(12.2°C)	TC				36.44	38.32	39.65	42.03	41.87	41.94	41.35	41.59	41.84	38.94	35.1	32.82	31.16	29.51	25.82	
				SC	25.34	27.39	29.35	30.62	30.24	32.71	32.21	32.56	32.41	30.76	29.1	28.27	28.49	27.29	25.68				
				Input	2.46	2.56	2.64	2.75	2.83	2.92	3.1	3.3	3.56	3.87	4.08	3.95	3.87	4.03	4.09				
		70F (21.1°C)	59F(15°C)	TC				38.36	40.63	42	44.57	44.08	44.15	43.3	43.78	43.81	40.65	36.79	34.91	32.87	30.83	27.15	
				SC	26.51	28.9	30.91	32.3	31.69	34.22	33.51	34.11	33.76	31.97	30.33	29.89	28.35	26.9					
				Input	2.43	2.58	2.64	2.78	2.85	2.94	3.09	3.32	3.54	3.86	4.02	4.01	3.86	3.99	4.06				
		75F (23.9°C)	63F(17.2°C)	TC				39.96	42.59	44.49	46.77	46.2	46.52	46.01	46.23	46.46	42.56	38.32	36.41	34.64	32.36	28.55	
				SC	27.47	30.14	32.58	33.71	33.01	35.87	35.41	35.8	35.62	33.31	31.39	31	31.33	29.59	28.18				
				Input	2.41	2.57	2.66	2.8	2.81	2.96	3.13	3.31	3.6	3.8	3.97	3.93	3.91	4.01	4.01				
		80F (26.7°C)	67F(19.4°C)	TC				42.33	44.55	46.79	48.77	48.63	48.71	48.8	48.87	48.95	45.09	40.56	38.69	36.5	33.7	29.77	
				SC	28.95	31.37	34.06	34.96	34.53	37.31	37.38	37.63	37.35	35.08	33.05	32.77	32.81	30.67	29.27				
				Input	2.43	2.56	2.68	2.79	2.8	2.96	3.16	3.36	3.59	3.86	4.02	4.01	3.94	4	3.98				
5 Zone	O-09-HP-WMAH-230B*4+ O-12-HP-WMAH-230B MULTI-48HP230B (208-230V)	65F (18.3°C)	54F(12.2°C)	TC				48.34	49.46	50.18	48	50.75	49.84	49.33	48.35	46.88	45.5	44.48	40.96	39.11	36.59	32.29	
				SC	32.54	34.57	36.71	35.91	37.34	37.37	38.18	38.18	37.2	36.97	35.59	35	35.15	34.03	32.09				
				Input	4.15	4.18	4.2	4.09	4.29	4.2	4.35	4.23	4.23	4.6	5.03	4.9	4.9	5.18	5.11				
		70F (21.1°C)	59F(15°C)	TC				50.51	52.45	52.64	51.01	53.82	52.8	51.76	51.21	49.87	47.4	46.62	43.39	41.21	38.11	34.32	
				SC	33.84	36.49	38.23	37.98	39.37	39.35	39.87	40.24	39.32	38.33	37.07	36.91	36.83	35.27	33.99				
				Input	4.09	4.22	4.22	4.12	4.34	4.25	4.35	4.3	4.3	4.51	5.02	4.91	4.87	5.16	5.15				
		75F (23.9°C)	63F(17.2°C)	TC				53.68	54.98	54.84	54.04	56.24	55.58	55	53.46	52.11	50.05	48.66	45.29	43.71	39.67	36.12	
				SC	35.76	38.01	39.68	40.04	40.93	41.21	42.17	41.74	40.86	40.27	38.48	38.28	38.86	36.7	35.62				
				Input	4.1	4.24	4.15	4.16	4.31	4.29	4.36	4.28	4.22	4.52	5.01	4.82	4.85	5.08	5.12				
		80F (26.7°C)	67F(19.4°C)	TC				56.8	57.27	57.19	57.12	59.14	58.26	57.3	56.33	55.43	52.97	50.9	48.13	45.81	42.23	37.67	
				SC	37.66	39.34	41.18	42.1	42.82	42.94	43.72	43.77	43.24	42.37	40.01	40.43	38.64	36.99					
				Input	4.11	4.15	4.15	4.15	4.32	4.31	4.3	4.28	4.27	4.89	4.88	4.88	5.07	5.09					

Olympus MZ Heating Performance Specifications

Heating performance data		LEGEND: TC --- Total Net Capacity (1000 Btu/hour) SC --- Sensible Capacity (1000 Btu/hour) Input --- Total Power (kW) DB --- Dry Bulb Temperature Measurement															
Number of Zones	Model	Heating		Outdoor conditions (DB)													
		Indoor Conditions DB		-13F -25°C	-4F -20°C	0F -17.8°C	5F -15°C	10F -12.2°C	17F -8.3°C	20F -6.7°C	25F -3.9°C	32F 0°C	35F 1.7°C	40F 4.4°C	47F 8.3°C	50F 10°C	57F 13.9°C
2 Zone	O-09-HP-WMAH-230B*2 MULTI2-18HP230B (208-230V)	60 F (15.6°C)	TC	9.22	11.24	11.63	12.24	14.1	15.89	16.35	16.63	17.12	17.57	21.59	26.08	26.48	27.04
			Input	1.9	1.82	1.76	1.74	1.81	1.81	1.74	1.67	1.62	1.57	1.8	1.98	1.96	1.9
		65 F (18.3°C)	TC	8.95	10.94	11.31	11.9	13.63	15.46	15.85	16.21	16.71	17	21	25.24	25.83	26.38
			Input	1.96	1.87	1.81	1.79	1.85	1.86	1.79	1.72	1.66	1.61	1.84	2.03	2.01	1.95
		70 F (21.1°C)	TC	8.68	10.59	11.03	11.51	13.3	14.98	15.39	15.75	16.16	16.52	20.31	24.41	25.05	25.63
			Input	2.01	1.92	1.85	1.83	1.89	1.91	1.83	1.77	1.71	1.65	1.89	2.1	2.05	1.99
		75 F (23.9°C)	TC	8.35	10.13	10.64	11.04	12.83	14.44	14.83	15.2	15.58	15.89	19.49	23.36	24.05	24.48
			Input	2.07	1.98	1.91	1.89	1.96	1.96	1.89	1.82	1.77	1.7	1.95	2.16	2.12	2.06
3 Zone	O-09-HP-WMAH-230B*3 MULTI3-27HP230B (208-230V)	60 F (15.6°C)	TC	13.17	14.71	15.35	16.02	17.63	19.34	21.01	22.7	24.28	25.76	31.63	36.77	37.5	38.38
			Input	2.67	2.52	2.47	2.41	2.45	2.53	2.45	2.36	2.31	2.28	2.68	3.03	2.93	2.86
		65 F (18.3°C)	TC	12.76	14.25	14.87	15.56	17.18	18.8	20.32	21.98	23.55	25.03	30.83	35.73	36.27	37.41
			Input	2.72	2.58	2.54	2.48	2.52	2.58	2.51	2.42	2.37	2.33	2.75	3.09	3.02	2.93
		70 F (21.1°C)	TC	12.45	13.83	14.5	15.04	16.6	18.23	19.79	21.3	22.77	24.21	29.9	34.56	35.39	36.28
			Input	2.79	2.66	2.6	2.53	2.58	2.65	2.58	2.49	2.43	2.38	2.83	3.18	3.09	3.02
		75 F (23.9°C)	TC	11.97	13.28	13.89	14.5	15.87	17.47	18.98	20.51	21.98	23.31	28.85	33.07	33.79	34.72
			Input	2.86	2.74	2.69	2.62	2.67	2.73	2.66	2.57	2.49	2.46	2.93	3.27	3.19	3.11
4 Zone	O-09-HP-WMAH-230B*4 MULTI4-36HP230B (208-230V)	60 F (15.6°C)	TC	20.48	22.78	23.94	24.83	27.31	30.28	31.28	32.3	33.64	34.59	40.83	47.21	48.24	49.48
			Input	4.2	3.98	3.82	3.81	3.8	3.85	3.74	3.6	3.47	3.34	3.67	4.05	3.91	3.87
		65 F (18.3°C)	TC	19.86	22.2	23.15	24.11	26.51	29.37	30.52	31.36	32.5	33.55	39.52	46.06	47.06	48.08
			Input	4.3	4.06	3.93	3.9	3.88	3.96	3.83	3.68	3.56	3.42	3.78	4.15	4.02	3.96
		70 F (21.1°C)	TC	19.36	21.51	22.46	23.38	25.74	28.51	29.57	30.6	31.59	32.64	38.34	44.63	45.83	46.86
			Input	4.39	4.18	4.05	3.98	4	4.08	3.92	3.76	3.64	3.51	3.86	4.26	4.15	4.05
		75 F (23.9°C)	TC	18.61	20.69	21.58	22.54	24.74	27.23	28.36	29.52	30.32	31.46	36.73	42.98	43.81	45.08
			Input	4.51	4.32	4.16	4.1	4.13	4.2	4.03	3.88	3.76	3.62	3.99	4.37	4.27	4.16
5 Zone	O-09-HP-WMAH-230B*4+ O-12-HP-WMAH-230B MULTI5-48HP230B (208-230V)	60 F (15.6°C)	TC	24.1	26.7	28.06	28.99	32.55	35.95	36.7	37.78	38.99	39.62	48.29	56.1	58.23	59.13
			Input	5.04	4.85	4.72	4.63	4.71	4.72	4.54	4.36	4.2	4.1	4.47	4.74	4.61	4.45
		65 F (18.3°C)	TC	23.28	25.87	27.11	28.2	31.76	34.83	35.77	36.68	37.78	38.58	47.11	54.52	56.37	57.69
			Input	5.2	4.96	4.85	4.75	4.8	4.84	4.66	4.46	4.31	4.22	4.57	4.85	4.72	4.58
		70 F (21.1°C)	TC	22.67	25.19	26.29	27.38	30.89	33.88	34.86	35.78	36.68	37.6	45.6	53.14	54.47	55.8
			Input	5.36	5.1	5	4.86	4.93	4.98	4.77	4.6	4.44	4.32	4.69	4.97	4.82	4.72
		75 F (23.9°C)	TC	21.81	24.15	25.32	26.26	29.62	32.43	33.57	34.39	35.03	36.14	43.83	50.75	52.02	53.51
			Input	5.51	5.23	5.15	5.02	5.05	5.12	4.93	4.75	4.58	4.45	4.82	5.11	4.98	4.88