



# MULTI-MOOV

**MOOVAIR 23 SEER DUCTED -25C HEAT PUMP  
COOLING AND HEATING PERFORMANCE DATA SHEET**

COOLING																							
Zone	Model	Indoor			Outdoor																		
		DB	WB		-13F (-25C)	-5F (-20.6C)	-4F (-20C)	0F (-17.8C)	5F (-15C)	15F (-9.4C)	25F (-3.9C)	35F (1.7C)	45F (7.2C)	55F (12.8C)	65F (18.3C)	75F (23.9C)	85F (29.4C)	95F (35C)	105F (40.6C)	109.4F (43C)	115F (46.1C)	122F (50C)	122F (50C)
Two Zone	DM09HIDU230X5 DM18HOM23230X2	65F (18.3C)	54F	TC	15.15	16.00	16.10	16.52	16.70	16.85	16.95	17.02	17.09	18.00	19.44	19.66	19.93	19.56	14.61	13.34	10.63	7.78	7.48
				SC	11.34	13.03	13.28	13.14	14.17	13.72	13.06	14.18	14.89	14.25	14.27	14.94	13.98	13.47	11.29	10.16	8.08	6.20	6.66
		70F (21.1C)	59F	TC	16.11	16.74	16.81	17.09	17.30	17.65	17.89	18.10	18.90	19.05	20.68	20.81	21.20	20.69	15.55	14.11	11.31	8.02	7.78
				SC	12.20	13.87	14.20	13.98	14.99	14.60	13.99	14.86	15.54	15.41	15.26	15.64	14.80	14.25	12.01	10.76	8.60	6.62	6.92
		75F (23.9C)	63F	TC	16.70	17.53	17.60	18.24	18.33	18.60	18.76	18.89	19.35	20.38	21.65	22.14	22.20	21.67	16.64	14.66	11.84	8.22	8.16
				SC	13.05	14.75	14.75	14.64	16.03	15.29	15.04	15.48	16.10	16.00	15.98	16.13	15.66	15.16	12.71	11.44	9.10	6.60	7.26
		80F (26.7C)	67F	TC	17.30	18.26	18.43	18.81	19.19	19.25	19.66	19.72	20.92	21.79	22.67	23.55	23.25	22.69	17.82	15.22	12.40	10.02	8.55
				SC	13.88	15.61	15.69	15.49	16.80	15.96	16.26	16.56	16.86	16.93	17.00	17.07	16.66	16.04	13.52	12.11	9.68	8.27	7.61
Three Zone	DM09HIDU230X5 DM27HOM23230X2	65F (18.3C)	54F	TC	24.40	25.27	26.43	26.80	26.95	26.91	27.48	28.72	28.11	27.52	28.08	28.42	27.89	26.64	22.05	20.75	18.37	8.04	7.98
				SC	19.55	20.36	20.77	20.96	20.56	20.58	19.97	20.76	21.63	20.54	21.29	22.65	20.24	19.17	16.13	15.21	13.72	6.37	7.10
		70F (21.1C)	59F	TC	25.55	27.17	27.71	27.97	28.05	28.63	29.08	29.38	29.44	29.59	29.87	29.76	29.20	28.19	23.46	21.96	19.54	8.29	8.30
				SC	20.80	21.55	22.09	22.18	21.55	21.48	21.59	22.20	22.65	21.74	22.65	23.97	21.53	20.29	17.16	16.09	14.60	6.61	7.39
		75F (23.9C)	63F	TC	27.33	28.69	28.77	29.29	30.00	30.53	30.67	30.94	31.51	31.73	31.28	30.68	30.90	29.98	24.83	23.36	20.68	8.49	8.71
				SC	21.77	23.17	23.16	23.15	23.29	22.85	22.85	23.48	23.72	23.37	24.10	25.10	22.55	21.47	18.25	17.03	15.53	7.02	7.75
		80F (26.7C)	67F	TC	28.32	30.02	30.13	30.98	31.42	32.23	32.78	33.03	32.98	32.87	32.75	32.64	32.36	31.40	26.58	24.26	21.65	10.36	9.12
				SC	22.62	23.81	23.93	23.98	23.88	24.16	24.20	24.23	24.27	24.44	24.62	24.79	23.99	23.06	20.32	20.09	17.53	8.27	8.12
Four Zone	DM09HIDU230X5 DM36HOM23230X2	65F (18.3C)	54F	TC	32.21	31.92	32.81	34.00	34.45	35.13	35.57	35.78	36.82	36.87	36.95	37.49	35.19	33.32	27.70	25.85	23.64	9.80	12.42
				SC	23.07	25.08	25.07	24.78	25.37	25.68	24.85	26.87	27.61	27.13	27.54	28.45	27.09	26.83	23.71	23.28	22.24	7.65	11.55
		70F (21.1C)	59F	TC	33.72	34.32	34.39	35.49	37.24	37.38	37.59	37.85	38.55	38.57	38.64	39.26	36.85	35.25	29.47	27.35	25.14	10.10	13.00
				SC	24.54	26.54	26.67	26.22	26.59	26.81	26.87	28.74	28.91	28.71	29.30	30.10	28.82	28.39	25.22	24.64	23.66	7.75	12.09
		75F (23.9C)	63F	TC	35.35	37.11	37.38	37.96	38.62	39.18	39.82	40.05	41.02	40.82	40.58	40.37	38.59	36.65	30.86	29.41	26.36	10.35	13.73
				SC	26.39	28.23	28.52	27.89	28.14	28.52	28.76	30.13	30.18	31.03	31.34	31.52	30.49	30.04	26.83	26.07	25.17	7.85	12.76
		80F (26.7C)	67F	TC	37.61	39.27	39.76	40.17	41.53	41.73	42.08	42.83	42.95	43.19	43.17	43.14	41.05	38.78	32.83	31.12	28.04	12.63	14.52
				SC	28.38	29.60	29.77	30.16	30.10	29.86	30.76	31.54	32.45	32.33	32.47	32.73	31.93	30.97	28.70	27.74	26.63	9.13	13.51
Five Zone	DM09HIDU230X5 DM48HOM23230X2	65F (18.3C)	54F	TC	41.01	42.00	42.58	43.17	44.18	44.28	46.22	46.31	46.69	47.12	48.34	48.61	46.57	44.61	35.94	32.95	29.32	15.10	15.32
				SC	32.14	33.98	34.99	33.82	34.08	35.18	34.52	35.63	34.94	36.12	37.28	39.40	37.96	36.50	30.84	29.22	25.41	13.14	14.68
		70F (21.1C)	59F	TC	42.50	43.61	43.83	45.66	47.31	47.61	48.40	49.17	50.48	50.39	50.62	51.71	48.76	46.72	38.48	34.21	30.71	15.57	16.62
				SC	34.38	36.15	37.42	35.98	36.06	37.42	36.96	37.90	37.40	38.63	40.30	41.92	40.17	38.83	33.02	31.28	27.47	13.58	15.93
		75F (23.9C)	63F	TC	45.21	46.15	46.31	48.32	49.59	49.70	51.24	52.59	52.86	53.32	53.85	53.72	51.88	49.44	40.93	36.20	32.66	15.95	17.36
				SC	36.96	37.89	39.06	38.89	38.57	39.19	39.53	39.69	40.22	40.24	41.76	43.53	42.06	40.03	35.32	33.28	29.07	13.94	16.64
		80F (26.7C)	67F	TC	47.39	49.89	50.34	51.68	52.76	53.15	54.51	55.65	56.23	56.43	57.29	56.82	54.32	51.39	42.86	38.93	34.24	19.46	18.56
				SC	38.70	40.74	40.95	40.60	41.70	41.69	41.83	41.97	42.11	43.27	44.42	45.58	44.05	42.36	37.57	35.21	30.93	17.03	17.80

DB: Dry Bulb - WB: Wet Bulb - TC: Total Net Capacity (1000 BTU/hour) - SC: Sensible Capacity (1000 BTU/hour) - Input: Total Power (kW)

HEATING																			
Zone	Model	Indoor																	
		DB		-13F (-25C)	-5F (-20.6C)	0F (-17.8C)	5F (-15C)	17F (-8.3C)	19.4F (-7C)	24.8F (-4C)	32F (0C)	35F (1.7C)	39.2F (4C)	44.6F (7C)	47F (8.3C)	53.6F (12C)	57F (13.9C)		
Two Zone	DM09HIDU230X5 DM18HOM23230X2	60F (15.6C)	TC	7.10	8.36	9.52	10.96	13.75	16.84	18.62	19.91	20.29	23.07	24.82	25.56	27.70	28.93		
			Input	1.31	1.49	1.50	1.51	1.56	1.80	1.71	1.80	1.91	1.93	1.99	1.98	1.94	1.79		
		65F (18.3C)	TC	6.74	7.98	9.30	10.62	13.05	16.32	17.58	19.41	19.88	22.55	24.06	24.73	26.58	27.60		
			Input	1.36	1.55	1.56	1.57	1.61	1.85	1.81	1.89	1.96	2.00	2.07	2.06	2.02	1.86		
		70F (21.1C)	TC	6.36	7.62	8.83	10.14	12.52	15.58	16.67	18.80	19.34	21.18	22.84	23.97	25.50	26.48		
			Input	1.42	1.61	1.63	1.63	1.65	1.89	1.92	1.98	2.01	2.08	2.16	2.13	2.11	1.93		
75F (23.9C)	TC	5.97	7.34	8.54	9.48	11.82	15.03	15.74	18.13	18.16	20.54	22.26	23.32	24.59	25.52				
	Input	1.50	1.65	1.67	1.72	1.73	1.94	2.01	2.03	2.12	2.12	2.19	2.17	2.16	1.98				
Three Zone	DM09HIDU230X5 DM27HOM23230X2	60F (15.6C)	TC	15.14	16.93	18.16	20.38	23.19	23.14	23.79	24.02	25.59	31.29	34.82	38.60	41.23	43.66		
			Input	2.97	2.89	2.86	2.92	2.73	2.76	2.59	2.66	2.44	2.87	3.08	3.37	3.14	2.96		
		65F (18.3C)	TC	14.37	16.16	17.05	19.35	21.78	22.08	22.60	23.29	24.57	30.34	33.76	37.43	40.60	42.33		
			Input	3.14	3.02	3.00	3.04	2.83	2.88	2.72	2.74	2.50	3.04	3.23	3.46	3.25	3.07		
		70F (21.1C)	TC	13.94	15.26	16.52	18.82	20.45	21.08	21.69	22.36	23.83	28.65	32.22	36.29	39.37	40.62		
			Input	3.27	3.13	3.12	3.16	2.91	2.95	2.88	2.87	2.57	3.16	3.37	3.59	3.39	3.18		
75F (23.9C)	TC	13.09	14.70	15.98	17.58	19.31	20.33	20.48	21.56	22.38	27.77	31.40	35.29	37.97	39.13				
	Input	3.41	3.25	3.26	3.28	2.99	3.02	3.05	3.01	2.64	3.28	3.52	3.72	3.54	3.30				
Four Zone	DM09HIDU230X5 DM36HOM23230X2	60F (15.6C)	TC	19.48	21.00	23.20	26.00	28.98	29.98	33.75	35.28	34.93	38.56	41.85	45.72	47.49	49.00		
			Input	3.74	3.35	3.41	3.46	3.63	3.31	3.42	3.58	3.34	3.47	3.53	3.90	3.53	3.26		
		65F (18.3C)	TC	18.59	20.15	22.14	24.94	28.07	29.16	31.70	33.49	33.87	36.99	39.94	43.86	45.32	47.01		
			Input	3.92	3.50	3.62	3.62	3.84	3.45	3.59	3.67	3.46	3.57	3.62	4.00	3.57	3.34		
		70F (21.1C)	TC	17.65	19.23	21.02	23.81	26.93	27.83	30.06	31.96	32.11	35.12	37.51	41.86	43.48	44.87		
			Input	4.03	3.71	3.79	3.80	4.01	3.62	3.74	3.81	3.61	3.70	3.78	4.08	3.66	3.41		
75F (23.9C)	TC	16.66	18.26	19.85	22.60	25.70	26.42	28.35	30.34	30.29	33.16	35.04	39.74	41.50	42.59				
	Input	4.14	3.93	3.98	3.99	4.18	3.80	3.90	3.95	3.76	3.84	3.94	4.15	3.76	3.47				
Five Zone	DM09HIDU230X5 DM48HOM23230X2	60F (15.6C)	TC	23.54	27.12	29.68	33.08	38.52	40.00	41.71	41.64	44.07	52.88	58.46	59.33	64.02	65.38		
			Input	4.58	4.83	4.34	4.14	4.43	4.28	4.28	4.28	4.06	4.55	4.95	4.78	4.44	4.22		
		65F (18.3C)	TC	22.91	25.60	28.31	31.56	36.95	38.16	40.01	40.15	42.27	50.99	56.07	58.30	62.39	64.18		
			Input	4.70	4.97	4.50	4.34	4.59	4.56	4.44	4.42	4.35	4.82	5.14	5.03	4.61	4.38		
		70F (21.1C)	TC	21.64	24.43	26.88	30.12	35.45	36.42	37.94	38.89	41.11	47.89	53.23	56.53	59.86	61.58		
			Input	4.95	5.10	4.61	4.60	4.81	4.68	4.65	4.54	4.59	4.92	5.22	5.12	4.73	4.50		
75F (23.9C)	TC	20.43	23.19	25.11	28.44	33.11	34.57	35.86	37.51	39.28	46.19	51.34	54.52	58.64	59.39				
	Input	5.09	5.38	4.73	4.71	5.10	4.88	4.83	4.71	4.71	5.19	5.44	5.26	4.85	4.67				

DB: Dry Bulb - WB: Wet Bulb - TC: Total Net Capacity (1000 BTU/hour) - SC: Sensible Capacity (1000 BTU/hour) - Input: Total Power (kW)

