



# MULTI-MOOV

**MOOVAIR 25 SEER DUCTED -30C HEAT PUMP  
COOLING AND HEATING PERFORMANCE DATA SHEET**

COOLING																								
Zone	Model	Indoor			Outdoor conditions (DB)																			
		DB	WB		-22F (-30C)	-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 DM18HOM25230X3	65F (18.3C)	54F	TC	17.18	17.74	19.01	19.29	20.41	20.37	20.48	20.62	20.67	20.62	21.14	21.67	20.70	19.69	16.73	15.64	13.83	12.94	7.78	7.48
				SC	10.15	10.53	10.92	10.96	11.12	11.66	12.09	12.27	12.32	11.85	11.98	11.87	11.68	11.49	11.24	10.76	10.10	9.72	6.20	6.66
		70F (21.1C)	59F	TC	18.18	18.87	20.64	20.73	21.60	21.67	21.75	21.93	21.87	21.93	22.37	23.05	21.90	20.95	17.71	16.64	14.64	13.76	8.02	7.78
				SC	10.92	11.26	11.61	11.72	11.83	12.34	12.86	13.13	13.32	12.88	12.81	12.83	12.43	12.29	11.89	11.57	10.92	10.69	6.62	6.92
		75F (23.9C)	63F	TC	18.94	19.55	21.44	21.49	22.27	22.69	22.85	22.99	23.64	23.84	23.93	24.14	23.30	21.93	18.54	17.51	15.82	14.91	8.22	8.16
				SC	13.57	14.45	14.90	15.66	16.65	16.67	16.50	16.84	17.36	16.61	16.42	15.99	15.71	15.46	14.45	14.05	13.16	12.88	6.60	7.26
		80F (26.7C)	67F	TC	20.15	21.03	22.81	22.99	23.69	24.01	24.31	24.62	25.02	25.36	25.59	25.54	24.79	23.21	19.62	18.63	16.75	15.86	10.02	8.55
				SC	14.36	15.37	15.77	16.66	17.62	17.74	17.46	17.91	18.38	17.67	17.37	17.01	16.62	16.45	15.30	14.95	13.93	13.70	8.27	7.61
Three Zone	DM09HIDU230X5 DM27HOM25230X3	65F (18.3C)	54F	TC	23.54	24.75	26.45	26.70	26.86	27.34	28.16	28.53	28.66	29.08	29.49	29.64	28.64	27.32	24.29	22.70	20.76	19.63	8.04	7.98
				SC	18.40	19.16	19.26	19.54	20.48	21.24	21.55	22.09	23.05	21.54	21.10	20.69	20.95	20.30	20.25	19.36	18.44	18.48	6.37	7.10
		70F (21.1C)	59F	TC	25.31	26.47	28.14	28.87	28.97	29.26	29.35	29.62	30.98	31.61	31.54	31.03	30.47	28.61	25.43	23.89	22.45	21.27	8.29	8.30
				SC	19.58	20.60	20.49	20.90	21.79	22.47	22.93	23.65	24.39	22.91	22.57	21.90	22.29	21.48	21.43	20.60	19.51	19.66	6.61	7.39
		75F (23.9C)	63F	TC	26.78	28.16	29.78	30.71	30.66	31.44	31.70	31.89	32.78	33.62	33.38	33.01	32.24	30.44	26.91	25.42	23.75	22.63	8.49	8.71
				SC	19.79	20.08	20.82	21.24	21.91	22.59	23.05	23.50	24.39	22.91	22.33	22.02	21.76	21.25	20.88	20.27	19.83	19.37	7.02	7.75
		80F (26.7C)	67F	TC	28.80	30.12	31.68	31.89	32.10	32.41	33.19	33.65	34.15	34.84	34.66	34.57	33.24	32.21	28.63	26.90	25.27	23.95	10.36	9.12
				SC	21.05	21.59	22.15	22.72	23.31	23.91	24.52	25.16	25.81	24.38	23.88	23.30	23.14	22.49	22.10	21.57	20.98	20.61	8.27	8.12
Four Zone	DM09HIDU230X5 DM36HOM25230X3	65F (18.3C)	54F	TC	33.74	34.81	36.92	37.22	38.47	39.67	40.34	40.68	41.41	40.43	38.67	36.85	35.98	34.22	32.01	29.10	28.26	26.66	9.80	12.42
				SC	22.41	24.41	26.49	23.76	25.84	27.78	28.18	27.03	28.70	29.18	25.56	25.27	25.54	24.42	24.21	23.25	22.00	22.41	7.65	11.55
		70F (21.1C)	59F	TC	35.70	37.03	38.67	38.86	40.71	42.20	42.68	43.27	43.82	43.01	40.92	38.56	38.07	36.40	33.87	30.95	29.91	28.36	10.10	13.00
				SC	23.84	26.25	28.18	25.41	27.49	29.39	29.97	28.94	30.37	31.04	27.34	26.74	27.17	25.84	25.62	24.73	23.28	23.84	7.75	12.09
		75F (23.9C)	63F	TC	37.78	39.39	41.34	41.64	43.08	44.89	45.17	46.04	46.37	45.76	43.30	41.02	40.29	38.73	35.84	32.93	31.65	30.17	10.35	13.73
				SC	25.64	27.52	30.47	27.62	29.40	31.27	32.06	30.79	32.14	33.03	28.93	28.45	28.21	27.05	26.42	25.90	25.04	24.99	7.85	12.76
		80F (26.7C)	67F	TC	40.62	42.13	43.98	44.21	45.83	47.51	48.05	49.29	49.33	48.99	46.31	44.35	42.86	40.98	38.13	35.26	33.88	32.62	12.63	14.52
				SC	27.57	29.43	32.41	28.68	30.78	32.24	33.57	33.11	33.48	34.22	30.04	29.79	29.09	28.63	28.10	27.41	26.64	26.45	9.13	13.51

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		Outdoor conditions (DB)																
		DB		-22F (-30C)	-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 DM18HOM25230X3	60F (15.6C)	TC	9.58	12.69	15.30	16.89	19.89	19.90	20.34	20.72	21.40	22.56	23.02	23.71	24.53	25.23	26.53		
			Input	2.09	2.30	2.45	2.47	2.60	2.41	2.18	2.01	1.95	1.90	1.88	1.89	1.83	1.74	1.69		
		65F (18.3C)	TC	9.24	12.30	14.93	16.27	19.31	19.35	19.63	20.08	20.61	21.65	22.31	22.84	23.36	24.31	25.51		
			Input	2.15	2.38	2.51	2.51	2.68	2.47	2.25	2.06	2.03	1.95	1.95	1.92	1.88	1.80	1.74		
		70F (21.1C)	TC	9.05	11.89	14.49	15.83	18.64	18.75	18.91	19.34	19.82	20.96	21.41	22.13	22.51	23.15	24.82		
			Input	2.19	2.44	2.55	2.59	2.75	2.56	2.32	2.12	2.08	2.02	1.99	1.97	1.95	1.86	1.78		
75F (23.9C)	TC	8.82	11.47	14.09	15.32	17.20	18.04	18.57	18.80	19.19	20.46	20.60	21.73	21.95	22.76	24.07				
	Input	2.24	2.52	2.63	2.66	2.85	2.64	2.41	2.20	2.16	2.09	2.07	2.03	2.02	1.95	1.83				
Three Zone	DM09HIDU230X5 DM27HOM25230X3	60F (15.6C)	TC	14.92	16.88	17.97	20.00	20.92	25.89	27.61	28.50	30.13	32.96	35.89	38.91	42.40	42.28	44.36		
			Input	3.08	3.29	3.42	3.55	3.50	3.50	3.37	3.25	3.20	3.43	3.08	3.18	3.24	3.21	3.05		
		65F (18.3C)	TC	14.40	16.36	17.54	19.26	20.31	25.18	26.65	27.61	29.03	31.75	34.57	37.06	40.93	40.97	42.74		
			Input	3.16	3.41	3.52	3.67	3.59	3.64	3.44	3.34	3.31	3.51	3.20	3.24	3.32	3.27	3.15		
		70F (21.1C)	TC	13.98	15.91	16.93	18.67	19.57	24.26	25.87	26.86	28.02	30.59	32.93	35.70	38.98	39.85	41.02		
			Input	3.25	3.52	3.61	3.74	3.70	3.73	3.55	3.43	3.44	3.60	3.33	3.30	3.42	3.38	3.24		
75F (23.9C)	TC	13.63	15.36	16.45	18.07	19.10	23.34	25.41	26.11	27.13	29.86	31.67	35.06	38.01	39.17	39.79				
	Input	3.32	3.64	3.71	3.84	3.83	3.85	3.68	3.56	3.57	3.72	3.47	3.40	3.55	3.55	3.33				
Four Zone	DM09HIDU230X5 DM36HOM25230X3	60F (15.6C)	TC	21.26	25.11	29.74	32.59	33.18	33.94	35.98	36.40	38.86	41.56	45.91	50.62	51.14	53.09	54.31		
			Input	4.66	4.96	5.11	5.05	5.10	4.70	4.30	4.02	4.10	4.17	3.99	4.04	3.95	3.97	3.80		
		65F (18.3C)	TC	20.52	24.33	29.02	31.40	32.22	33.02	34.73	35.27	37.43	40.03	44.23	48.21	49.36	51.45	52.32		
			Input	4.78	5.14	5.25	5.22	5.22	4.88	4.38	4.14	4.23	4.28	4.15	4.11	4.05	4.03	3.92		
		70F (21.1C)	TC	19.81	23.57	28.31	30.25	31.28	32.12	33.52	34.18	36.06	38.57	42.61	45.91	47.65	49.85	50.41		
			Input	4.88	5.27	5.34	5.38	5.36	5.06	4.51	4.27	4.34	4.45	4.23	4.22	4.20	4.15	4.01		
75F (23.9C)	TC	19.26	22.82	27.63	29.74	30.34	31.32	32.45	33.36	34.69	37.64	40.99	45.09	46.31	48.11	48.99				
	Input	4.99	5.46	5.50	5.53	5.55	5.22	4.68	4.44	4.51	4.59	4.40	4.35	4.36	4.36	4.12				

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