



MOOVAIR

M25

MOOVAIR 25 SEER DUCTED SINGLE ZONE HEAT PUMP COOLING AND HEATING PERFORMANCE DATA SHEET

COOLING																						
Model	Indoor			Outdoor conditions (DB)																		
	DB	WB		-22F (-30C)	-13F (-25C)	-4F (-20C)	0F (-17C)	5F (-15C)	15F (-9.4C)	25F (-3.9C)	35F (1.7C)	45F (7.2C)	55F (12.8C)	65F (18.3C)	75F (24C)	85F (29.4C)	95F (35C)	105F (40.5C)	115F (46C)	122F (50C)	122F (50C)	122F (50C)
DM09HIDU230X5 DM09HOS25230E3	65F (18.3C)	54F	TC	8.50	8.92	9.26	9.38	9.53	9.73	10.01	10.31	10.60	10.71	10.96	11.37	11.65	10.40	8.83	7.60	6.49	7.78	7.48
			SC	6.14	6.47	6.76	6.73	6.81	6.97	7.53	7.98	8.31	8.75	9.20	9.65	9.89	8.71	7.28	6.46	5.52	6.20	6.66
	70F (21.1C)	59F	TC	9.20	9.65	10.07	10.20	10.19	10.45	10.70	10.93	11.16	11.39	11.63	11.86	11.90	11.08	9.54	8.23	7.06	8.02	7.78
			SC	6.57	6.88	7.31	7.40	7.41	7.63	8.04	8.45	8.91	9.17	9.55	10.06	10.17	9.38	8.11	7.00	6.00	6.62	6.92
	75F (23.9C)	63F	TC	10.05	10.54	10.89	10.85	10.98	11.23	11.59	11.76	11.76	11.93	12.11	12.28	12.44	11.32	9.80	8.86	7.63	8.22	8.16
			SC	7.14	7.54	7.87	7.97	7.96	8.19	8.58	8.96	9.32	9.71	10.09	10.48	10.64	9.51	8.33	7.53	6.49	6.60	7.26
	80F (26.7C)	67F	TC	10.81	11.28	11.62	11.77	11.96	12.31	12.21	12.27	12.52	12.63	12.74	12.67	12.80	11.99	10.88	9.49	8.21	10.02	8.55
			SC	7.59	7.97	8.27	8.52	8.65	8.78	9.13	9.48	9.84	10.19	10.54	10.81	10.92	10.23	9.25	8.07	6.98	8.27	7.61
DM12HIDU230X5 DM12HOS25230E3	65F (18.3C)	54F	TC	8.755	9.186	9.539	9.665	9.818	10.02	10.32	10.62	10.92	11.04	11.29	11.71	12.01	10.72	9.097	7.833	6.684	8.04	7.98
			SC	6.323	6.669	6.962	6.937	7.017	7.176	7.757	8.218	8.555	9.014	9.474	9.936	10.18	8.974	7.498	6.658	5.681	6.37	7.10
	70F (21.1C)	59F	TC	9.478	9.945	10.38	10.51	10.5	10.76	11.02	11.26	11.5	11.74	11.98	12.22	12.25	11.41	9.829	8.482	7.274	8.29	8.30
			SC	6.763	7.089	7.525	7.624	7.632	7.855	8.281	8.708	9.175	9.447	9.832	10.36	10.48	9.665	8.355	7.21	6.183	6.61	7.39
	75F (23.9C)	63F	TC	10.35	10.86	11.22	11.18	11.31	11.57	11.94	12.12	12.12	12.29	12.47	12.65	12.81	11.66	10.09	9.131	7.865	8.49	8.71
			SC	7.359	7.763	8.103	8.21	8.201	8.441	8.834	9.229	9.605	10	10.4	10.8	10.96	9.794	8.579	7.762	6.685	7.02	7.75
	80F (26.7C)	67F	TC	11.14	11.62	11.97	12.13	12.32	12.68	12.58	12.64	12.89	13.01	13.13	13.05	13.19	12.35	11.2	9.78	8.456	10.36	9.12
			SC	7.818	8.212	8.518	8.777	8.916	9.043	9.405	9.768	10.13	10.5	10.86	11.14	11.25	10.54	9.527	8.313	7.187	8.27	8.12
DM18HIDU230X5 DM18HOS25230E3	65F (18.3C)	54F	TC	13.861	14.545	15.103	15.234	15.389	15.302	15.344	15.147	14.951	14.758	14.751	15.215	16.032	15.594	13.485	10.828	7.644	9.80	12.42
			SC	10.426	10.998	11.48	11.387	11.455	11.549	11.915	12.045	11.998	12.127	12.556	12.987	13.72	13.598	11.781	9.4576	6.6713	7.65	11.55
	70F (21.1C)	59F	TC	14.471	15.185	15.851	15.987	15.882	15.902	16.021	15.906	15.789	15.672	15.966	16.26	16.687	16.726	14.647	11.978	8.7815	10.10	13.00
			SC	10.842	11.364	12.064	12.168	12.113	12.331	12.549	12.766	13.037	13.036	13.474	14.118	14.777	14.657	12.889	10.54	7.7277	7.75	12.09
	75F (23.9C)	63F	TC	15.314	16.07	16.601	16.466	16.564	16.59	17.005	16.966	16.682	16.643	16.922	17.201	17.762	17.999	15.81	13.128	9.919	10.35	13.73
			SC	11.508	12.138	12.671	12.78	12.696	12.962	13.229	13.533	13.809	14.114	14.682	15.252	16.087	15.735	13.997	11.624	8.7839	7.85	12.76
	80F (26.7C)	67F	TC	16.01	16.712	17.21	17.358	17.535	17.715	17.597	17.563	17.79	17.83	18.095	18.095	18.583	19.041	16.972	14.278	11.056	12.63	14.52
			SC	11.958	12.56	13.029	13.365	13.5	13.62	13.936	14.327	14.72	15.114	15.509	16.256	17.135	17.017	15.105	12.707	9.8398	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)

COOLING																							
Model	Indoor			Outdoor conditions (DB)																			
	DB	WB		-22F (-30C)	-13F (-25C)	-4F (-20C)	0F (-17C)	5F (-15C)	15F (-9.4C)	25F (-3.9C)	35F (1.7C)	45F (7.2C)	55F (12.8C)	65F (18.3C)	75F (24C)	85F (29.4C)	95F (35C)	105F (40.5C)	115F (46C)	122F (50C)	122F (50C)	122F (50C)	
DM24HIDU230X5 DM24HOS25230E3	65F (18.3C)	54F	TC	20.088	21.622	22.454	22.746	22.291	22.145	21.817	21.487	21.156	20.477	20.064	19.945	19.79	18.034	15.698	14.614	13.622	7.78	7.48	
			SC	14.49	15.745	16.435	16.259	16.101	16.05	16.129	15.934	15.51	15.316	15.122	14.927	14.811	13.497	11.773	10.959	10.216	6.20	6.66	
	70F (21.1C)	59F	TC	20.523	22.137	22.436	22.825	22.687	22.7	22.729	22.711	22.693	22.674	22.655	22.636	21.956	20.941	17.409	14.95	13.941	8.02	7.78	
			SC	15.044	16.041	16.837	16.988	16.862	16.944	16.962	16.979	17.067	16.801	16.747	16.942	16.571	18.502	13.057	11.212	10.455	6.62	6.92	
	75F (23.9C)	63F	TC	21.281	23.002	23.379	23.282	23.358	23.386	24.074	24.368	24.303	24.594	24.886	25.181	24.669	22.058	19.12	15.285	14.259	8.22	8.16	
			SC	15.598	16.914	17.464	17.67	17.518	17.63	17.856	18.084	18.274	18.504	18.733	18.964	18.617	17.762	14.34	11.464	10.694	6.60	7.26	
	80F (26.7C)	67F	TC	21.827	23.518	23.646	23.943	24.433	24.682	24.866	25.356	26.228	26.833	27.442	27.645	27.036	22.896	20.832	15.621	14.578	10.02	8.55	
			SC	16.153	17.296	17.564	18.217	18.478	18.352	18.787	19.225	19.665	20.107	20.55	20.821	20.362	17.244	15.624	11.716	10.933	8.27	7.61	
	DM36HIDU230X5 DM36HOS25230E3	65F (18.3C)	54F	TC	26.94	29.76	30.99	32.46	33.12	33.73	34.87	36.22	37.40	37.23	37.06	36.88	34.21	33.01	29.88	26.28	24.29	8.04	7.98
				SC	17.42	20.20	21.70	23.57	24.26	25.43	26.67	28.10	29.57	30.36	30.34	30.60	28.75	28.48	26.72	25.76	24.09	6.37	7.10
70F (21.1C)		59F	TC	28.25	30.87	32.49	33.86	34.36	35.36	36.76	37.58	38.80	38.62	38.44	38.26	35.87	34.42	31.00	27.26	25.06	8.29	8.30	
			SC	17.99	20.64	22.42	24.22	24.79	26.27	27.70	28.72	30.22	31.03	31.01	31.27	29.69	29.27	27.31	26.33	24.91	6.61	7.39	
75F (23.9C)		63F	TC	29.46	32.02	34.07	35.12	36.02	36.88	38.13	39.40	40.24	40.06	39.88	39.69	37.41	35.71	32.50	28.58	26.00	8.49	8.71	
			SC	18.48	21.09	23.15	24.75	25.61	26.99	28.31	29.66	30.89	31.71	31.69	31.96	30.51	29.91	28.21	27.19	25.73	7.02	7.75	
80F (26.7C)		67F	TC	31.03	33.73	36.07	37.19	38.14	39.26	40.38	41.50	42.62	42.42	42.23	42.03	39.82	37.81	34.79	30.59	27.53	10.36	9.12	
			SC	18.80	21.46	23.68	25.32	28.05	27.76	28.96	30.18	31.59	32.43	32.41	32.69	31.37	30.59	29.16	28.12	27.25	8.27	8.12	
DM48HIDU230X5 DM48HOS25230E3		65F (18.3C)	54F	TC	34.36	37.95	39.52	41.83	43.12	42.98	43.54	44.34	46.28	46.37	46.42	46.47	43.52	42.15	38.16	27.85	25.74	9.80	12.42
				SC	21.56	25.00	26.86	29.48	30.66	31.46	32.33	33.38	35.52	36.71	36.89	37.42	35.50	35.31	33.12	26.50	25.43	7.65	11.55
	70F (21.1C)	59F	TC	36.75	40.16	42.27	44.50	45.63	45.97	46.82	46.92	48.98	49.07	49.12	49.18	46.55	44.84	40.38	29.47	27.09	10.10	13.00	
			SC	22.72	26.06	28.30	30.90	31.96	33.15	34.25	34.80	37.04	38.27	38.46	39.01	37.40	37.00	34.53	27.63	26.69	7.75	12.09	
	75F (23.9C)	63F	TC	39.10	42.49	45.21	47.09	48.80	48.91	49.54	50.18	51.83	51.93	51.98	52.04	49.52	47.45	43.19	31.52	28.67	10.35	13.73	
			SC	23.81	27.17	29.83	32.22	33.68	34.75	35.70	36.67	38.61	39.90	40.10	40.67	39.20	38.58	36.38	29.11	28.10	7.85	12.76	
	80F (26.7C)	67F	TC	41.59	45.21	48.35	50.36	52.19	52.59	52.99	53.38	55.43	55.54	55.59	55.66	53.24	50.75	46.69	34.07	30.66	12.63	14.52	
			SC	24.95	28.48	31.43	33.95	34.75	36.81	37.62	38.44	40.69	42.04	42.25	42.85	41.53	40.65	38.75	31.00	30.05	9.13	13.51	

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HEATING																		
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)	
DM09HIDU230X5 DM09HOS25230E3	60F (15.6C)	TC	6.10	7.93	11.38	12.33	12.71	14.01	14.35	14.39	14.43	14.68	14.95	15.09	15.29	15.64	16.03	
		Input	1.53	1.61	1.91	1.88	1.92	1.74	1.76	1.62	1.39	1.38	1.35	1.21	1.19	1.15	1.15	
	65F (18.3C)	TC	5.87	7.64	10.81	11.59	12.17	13.61	13.48	13.96	13.96	14.39	14.56	14.78	15.00	15.18	15.51	15.90
		Input	1.72	1.64	1.80	1.90	1.94	1.78	1.76	1.68	1.44	1.42	1.37	1.28	1.25	1.22	1.22	
	70F (21.1C)	TC	5.74	7.34	10.40	11.21	11.82	13.27	13.67	13.92	14.17	14.43	14.62	14.80	14.96	15.28	15.66	
		Input	1.59	1.69	1.81	1.94	1.97	1.82	1.85	1.73	1.47	1.43	1.37	1.30	1.28	1.25	1.25	
	75F (23.9C)	TC	5.44	7.02	10.24	11.70	12.35	13.10	13.21	13.79	13.98	14.21	14.48	14.69	14.84	15.13	15.51	
		Input	1.67	1.70	1.83	1.93	1.96	1.85	1.88	1.78	1.53	1.50	1.45	1.32	1.31	1.28	1.28	
DM12HIDU230X5 DM12HOS25230E3	60F (15.6C)	TC	6.93	8.83	11.90	13.28	13.83	14.07	14.16	14.69	14.99	15.08	15.33	15.42	15.81	16.14	16.55	
		Input	1.69	1.61	1.77	1.84	1.88	1.74	1.77	1.76	1.55	1.52	1.49	1.29	1.25	1.23	1.22	
	65F (18.3C)	TC	6.76	8.43	11.59	12.40	13.60	13.96	14.13	14.54	14.85	14.96	15.10	15.25	15.46	15.77	16.17	
		Input	1.67	1.66	1.79	1.86	1.91	1.80	1.83	1.87	1.63	1.59	1.54	1.35	1.30	1.28	1.27	
	70F (21.1C)	TC	6.45	8.38	10.70	11.68	12.31	13.66	13.96	14.31	14.50	14.65	14.83	14.99	15.23	15.46	15.85	
		Input	1.60	1.69	1.82	1.91	1.94	1.85	1.87	1.96	1.66	1.63	1.60	1.39	1.35	1.33	1.31	
	75F (23.9C)	TC	6.11	7.89	9.26	11.26	12.15	12.86	13.29	14.02	14.32	14.36	14.47	14.59	14.65	14.88	15.25	
		Input	1.53	1.62	1.70	1.90	1.93	1.87	1.89	2.00	1.78	1.69	1.59	1.41	1.36	1.33	1.32	
DM18HIDU230X5 DM18HOS25230E3	60F (15.6C)	TC	10.92	12.99	16.80	19.40	20.58	21.80	22.09	22.29	22.70	23.10	23.72	24.76	25.01	25.50	26.14	
		Input	2.59	2.56	3.04	3.08	3.09	3.08	2.84	2.79	2.57	2.46	2.39	2.18	2.08	1.98	2.03	
	65F (18.3C)	TC	10.82	12.92	16.51	19.01	20.25	20.90	21.19	21.70	21.93	22.21	22.76	23.85	24.08	24.51	25.13	
		Input	2.61	2.68	3.06	3.19	3.14	3.17	2.96	2.90	2.60	2.49	2.49	2.19	2.12	2.07	2.12	
	70F (21.1C)	TC	10.61	12.50	14.96	18.11	19.58	20.50	20.71	20.97	21.31	21.68	22.11	22.79	22.93	23.40	23.99	
		Input	2.64	2.73	2.86	3.19	3.35	3.23	3.05	2.95	2.67	2.55	2.52	2.29	2.16	2.04	2.02	
	75F (23.9C)	TC	10.36	11.93	13.63	16.77	17.33	19.25	19.78	20.03	20.68	20.89	21.35	22.09	22.31	22.54	23.10	
		Input	2.68	2.70	2.68	3.15	3.12	3.26	3.10	2.92	2.74	2.63	2.55	2.21	2.16	2.05	2.10	

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HEATING																	
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)
DM24HIDU230X5 DM24HOS25230E3	60F (15.6C)	TC	15.62	18.78	21.64	24.68	25.69	26.65	27.04	27.27	28.54	31.12	33.08	34.73	35.25	35.73	36.62
		Input	3.12	3.28	3.53	3.84	3.80	3.51	3.31	3.19	3.21	3.13	2.98	2.89	2.86	2.86	2.82
	65F (18.3C)	TC	15.51	18.23	21.33	23.61	25.03	25.46	26.55	26.95	27.55	30.23	32.08	33.43	33.86	34.43	35.29
		Input	3.38	3.55	3.71	3.88	3.84	3.60	3.39	3.35	3.28	3.26	3.06	3.01	2.95	2.91	2.88
	70F (21.1C)	TC	15.38	18.11	21.25	23.22	24.48	24.85	25.49	26.18	26.49	29.10	31.00	32.36	32.78	33.36	34.19
		Input	3.41	3.58	3.79	3.96	3.89	3.67	3.54	3.52	3.36	3.35	3.22	3.12	3.06	3.02	2.99
	75F (23.9C)	TC	15.02	17.66	20.63	23.14	23.56	23.97	24.44	25.90	26.44	28.50	30.28	31.37	31.89	32.48	33.29
		Input	3.52	3.71	3.91	4.04	3.91	3.78	3.63	3.61	3.50	3.42	3.38	3.18	3.12	3.08	3.05
DM36HIDU230X5 DM36HOS25230E3	60F (15.6C)	TC	27.32	33.47	40.98	41.63	43.02	48.58	48.93	49.52	50.43	50.82	51.45	51.63	51.26	52.13	52.60
		Input	5.77	5.78	6.03	5.80	5.51	5.83	5.69	5.28	4.93	4.80	4.57	4.39	4.32	4.16	4.12
	65F (18.3C)	TC	26.83	32.75	39.98	40.97	41.97	47.35	47.64	48.17	49.20	49.53	50.09	50.22	50.41	51.36	51.98
		Input	5.88	5.93	6.16	5.91	5.66	5.97	5.80	5.42	5.04	4.90	4.69	4.49	4.41	4.26	4.21
	70F (21.1C)	TC	26.38	32.18	39.24	40.09	40.94	46.06	46.34	46.99	47.86	48.23	48.73	49.38	49.66	50.65	51.41
		Input	6.00	6.08	6.30	6.03	5.80	6.10	5.92	5.56	5.15	5.00	4.81	4.59	4.50	4.37	4.31
	75F (23.9C)	TC	25.54	31.18	38.06	38.93	39.67	44.68	45.00	45.54	46.43	46.74	47.27	47.95	48.17	49.19	49.82
		Input	6.15	6.24	6.47	6.20	5.95	6.26	6.08	5.71	5.28	5.13	4.94	4.71	4.63	4.48	4.42
DM48HIDU230X5 DM48HOS25230E3	60F (15.6C)	TC	32.12	40.23	49.76	51.01	52.03	57.42	57.66	58.81	60.69	61.37	62.26	63.95	63.77	64.41	65.51
		Input	6.78	6.55	6.75	6.55	6.28	6.44	6.36	6.09	5.88	5.81	5.63	5.52	5.48	5.27	5.22
	65F (18.3C)	TC	31.64	39.59	48.93	49.91	50.86	56.19	56.26	57.49	59.38	59.99	60.92	62.39	62.77	63.52	64.54
		Input	6.92	6.71	6.90	6.69	6.44	6.58	6.49	6.25	6.01	5.92	5.77	5.64	5.59	5.40	5.34
	70F (21.1C)	TC	31.17	38.97	48.11	48.70	49.28	54.45	54.99	56.25	57.93	58.64	59.61	60.87	61.42	62.64	63.58
		Input	7.06	6.89	7.06	6.82	6.61	6.73	6.63	6.41	6.15	6.05	5.92	5.77	5.71	5.54	5.46
	75F (23.9C)	TC	29.93	37.60	46.67	46.75	47.56	52.81	52.52	53.72	55.61	56.59	56.63	57.52	58.35	60.14	61.36
		Input	7.30	7.12	7.30	7.07	6.82	6.95	6.84	6.61	6.35	6.25	6.12	5.97	5.89	5.72	5.65

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

