Performance Table for V80J303MB2

180/0-3-120Hz
R410A-Dew Point
11°K Superheat
8°K Subcooling
35°C Ambient
@180-3-120

Nominal performance ±5% based on 72 hr run-in

Cond. Temp.		Evap. Temp. -29°C	-26°C	-24°C	-22°C	-19°C	-16°C	-14°C	-12°C	-9°C	-6°C	-4°C	-2°C	1°C	4°C	6°C	8°C	11°C	14°C	16°C	18°C
25°C	Capacity	2219	2708	3253	3858	4526	5263	6073	6959	7927	8981	10125	11363	12700	14140	15687	17347	19122	21018	23039	25189
	Power	1150	1241	1331	1418	1500	1575	1643	1700	1747	1780	1798	1800	1783	1747	1689	1608	1501	1369	1208	1017
	Current	4.8	4.9	5.0	5.2	5.3	5.5	5.7	5.9	6.0	6.1	6.2	6.3	6.2	6.2	6.0	5.8	5.4	5.0	4.5	3.8
	MassFlow	40.4	49.7	59.7	70.6	82.3	95.1	109.0	124.1	140.5	158.3	177.5	198.2	220.6	244.8	270.7	298.6	328.4	360.4	394.5	430.8
	COP	1.93	2.18	2.44	2.72	3.02	3.34	3.70	4.09	4.54	5.05	5.63	6.31	7.12	8.10	9.29	10.79	12.74	15.36	19.08	24.78
	Efficiency	53.0	56.1	59.0	61.8	64.2	66.3	68.2	69.6	70.7	71.4	71.6	71.3	70.5	69.1	67.2	64.6	61.4	57.5	52.9	47.6
30°C	Capacity	1769	2249	2777	3359	3999	4700	5467	6305	7217	8209	9284	10447	11703	13055	14508	16066	17734	19515	21415	23438
	Power	1132	1237	1342	1446	1546	1642	1730	1810	1881	1939	1984	2014	2027	2022	1996	1949	1878	1782	1659	1507
	Current	4.8	4.9	5.1	5.3	5.5	5.7	6.0	6.2	6.5	6.7	6.8	6.9	7.0	7.0	7.0	6.8	6.6	6.3	5.8	5.3
	MassFlow	33.8	43.2	53.3	64.2	75.9	88.5	102.1	116.9	132.8	150.0	168.7	188.7	210.3	233.6	258.6	285.4	314.1	344.8	377.6	412.6
	COP	1.56	1.82	2.07	2.32	2.59	2.86	3.16	3.48	3.84	4.23	4.68	5.19	5.77	6.46	7.27	8.24	9.44	10.95	12.91	15.55
	Efficiency	47.0	50.7	54.3	57.7	60.8	63.7	66.3	68.5	70.4	72.0	73.1	73.7	73.9	73.5	72.7	71.2	69.1	66.4	63.0	58.9
35°C	Capacity	1263	1740	2260	2826	3444	4116	4848	5644	6509	7446	8460	9556	10737	12008	13373	14838	16405	18080	19866	21769
	Power	1086	1205	1325	1445	1562	1676	1785	1887	1980	2063	2134	2191	2233	2258	2263	2249	2212	2152	2066	1953
	Current	4.7	4.9	5.1	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.6	7.7	7.8	7.9	7.8	7.7	7.5	7.1	6.7
	MassFlow	25.5	35.4	45.8	56.9	68.8	81.5	95.1	109.8	125.5	142.5	160.7	180.3	201.4	224.0	248.3	274.3	302.1	331.9	363.6	397.4
	COP	1.16	1.44	1.71	1.96	2.20	2.46	2.72	2.99	3.29	3.61	3.96	4.36	4.81	5.32	5.91	6.60	7.42	8.40	9.62	11.15
	Efficiency	39.5	43.7	47.8	51.8	55.5	59.0	62.3	65.3	68.0	70.3	72.2	73.7	74.8	75.4	75.5	75.0	74.0	72.3	70.0	67.1
40°C	Capacity		1667	2225	2828	3479	4183	4945	5769	6658	7618	8653	9767	10965	12250	13628	15102	16677	18357	20147	
	Power		1282	1417	1551	1683	1811	1934	2049	2155	2251	2334	2404	2457	2494	2511	2508	2482	2432	2357	
	Current		5.0	5.3	5.7	6.0	6.4	6.8	7.1	7.5	7.8	8.1	8.3	8.5	8.7	8.7	8.7	8.5	8.3	8.0	
	MassFlow		35.7	47.3	59.6	72.7	86.5	101.3	117.2	134.1	152.2	171.7	192.4	214.7	238.5	264.0	291.2	320.2	351.1	384.0	
	COP		1.30	1.57	1.82	2.07	2.31	2.56	2.82	3.09	3.38	3.71	4.06	4.46	4.91	5.43	6.02	6.72	7.55	8.55	
	Efficiency		39.9	44.4	48.7	52.8	56.6	60.3	63.6	66.6	69.3	71.6	73.5	74.9	75.9	76.4	76.3	75.6	74.4	72.5	
45°C	Capacity				2117	2754	3438	4172	4962	5812	6725	7707	8761	9892	11105	12403	13791	15273	16855	18539	
	Power				1515	1664	1810	1953	2089	2218	2337	2446	2542	2624	2690	2739	2768	2776	2761	2722	
	Current				5.7	6.1	6.5	6.9	7.4	7.8	8.2	8.5	8.9	9.1	9.4	9.5	9.6	9.5	9.4	9.2	
	MassFlow				47.0	60.6	75.0	90.2	106.3	123.5	141.8	161.3	182.0	204.2	227.8	252.9	279.7	308.2	338.6	370.9	
	COP				1.40	1.66	1.90	2.14	2.38	2.62	2.88	3.15	3.45	3.77	4.13	4.53	4.98	5.50	6.10	6.81	
	Efficiency				40.6	45.1	49.5	53.7	57.7	61.3	64.7	67.7	70.3	72.5	74.3	75.6	76.4	76.7	76.4	75.5	
50°C	Capacity					1907	2578	3292	4056	4872	5746	6681	7683	8755	9902	11128	12438	13835	15324	16910	
	Power					1622	1786	1947	2104	2254	2397	2530	2652	2761	2855	2934	2994	3035	3055	3051	
	Current					6.0	6.5	7.0	7.5	8.0	8.4	8.9	9.3	9.6	9.9	10.2	10.3	10.4	10.3	10.2	
	MassFlow					43.9	59.0	74.9	91.6	109.3	127.9	147.7	168.7	191.0	214.6	239.7	266.4	294.7	324.7	356.6	
	COP					1.18	1.44	1.69	1.93	2.16	2.40	2.64	2.90	3.17	3.47	3.79	4.15	4.56	5.02	5.54	
	Efficiency					36.5	41.3	46.0	50.4	54.6	58.6	62.2	65.5	68.4	70.9	73.0	74.6	75.7	76.2	76.2	
55°C	Capacity							2271	3015	3806	4647	5544	6500	7521	8609	9770	11008	12327	13732	15227	
	Power							1920	2096	2267	2431	2588	2735	2870	2992	3100	3191	3263	3316	3347	
	Current							7.0	7.5	8.1	8.6	9.1	9.6	10.0	10.4	10.7	10.9	11.1	11.2	11.1	
	MassFlow							54.0	71.6	89.9	109.3	129.6	151.0	173.7	197.6	222.9	249.7	278.1	308.0	339.8	
	COP							1.18	1.44	1.68	1.91	2.14	2.38	2.62	2.88	3.15	3.45	3.78	4.14	4.55	
	Efficiency							37.3	42.2	46.9	51.3	55.5	59.4	62.9	66.0	68.8	71.1	73.0	74.3	75.2	
60°C	Capacity										3395	4260	5178	6154	7191	8294	9468	10717	12044	13455	
	Power										2444	2623	2794	2955	3104	3239	3360	3463	3548	3613	
	Current										8.6	9.2	9.7	10.2	10.7	11.1	11.4	11.7	11.8	11.9	
	MassFlow										84.3	105.5	127.6	150.9	175.4	201.2	228.3	256.9	287.1	318.9	
	COP										1.39	1.62	1.85	2.08	2.32	2.56	2.82	3.09	3.39	3.72	
	Efficiency										43.3	47.9	52.3	56.3	60.0	63.4	66.3	68.9	70.9	72.5	
65°C	Capacity												3683	4622	5615	6668	7784	8969	10227	11561	
	Power												2833	3018	3192	3355	3504	3638	3754	3852	
	Current												9.7	10.3	10.8	11.3	11.7	12.1	12.3	12.5	
	MassFlow												97.1	121.2	146.5	173.0	200.8	229.9	260.5	292.7	
	COP												1.30	1.53	1.76	1.99	2.22	2.47	2.72	3.00	
	Efficiency												44.5	49.0	53.2	57.0	60.6	63.7	66.4	68.6	

Units: Capacity (Watt), Power(Watt), Current (Amp), Mass Flow(kg/hr), COP, Efficiency(%)

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