



**Performance Table for V80J183MB2**

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

Cond. Temp.		Nominal performance ±5% based on 72 hr run-in																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	1151	1364	1639	1975	2374	2838	3366	3961	4622	5351	6150	7018	7957	8968	10052	11210	12442	13751	15137	16600
	Power	677	746	814	879	941	998	1049	1094	1130	1158	1176	1183	1178	1160	1127	1079	1015	934	834	715
	Current	3.7	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.3	4.2	4.0	3.8	3.6	3.3
	MassFlow	21.9	25.8	30.7	36.7	43.7	51.7	60.8	71.0	82.3	94.6	108.1	122.7	138.5	155.4	173.5	192.8	213.3	235.0	257.9	282.0
	COP	1.70	1.83	2.01	2.25	2.52	2.84	3.21	3.62	4.09	4.62	5.23	5.93	6.76	7.73	8.92	10.39	12.25	14.72	18.15	23.23
	Efficiency	41.2	44.6	48.1	51.5	55.0	58.2	61.3	64.0	66.3	68.2	69.5	70.2	70.2	69.3	67.6	65.0	61.3	56.4	50.4	43.1
30°C	Capacity	894	1162	1488	1872	2316	2821	3387	4016	4708	5465	6287	7176	8132	9157	10251	11415	12651	13960	15342	
	Power	684	766	846	923	996	1064	1126	1180	1227	1264	1291	1306	1309	1298	1273	1232	1174	1099	1004	
	Current	4.0	4.0	4.0	4.1	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.7	4.7	4.6	4.5	4.4	4.2	3.9	
	MassFlow	17.1	22.2	28.2	35.3	43.4	52.5	62.6	73.8	86.0	99.3	113.7	129.2	145.8	163.5	182.3	202.3	223.5	245.9	269.4	
	COP	1.31	1.52	1.76	2.03	2.33	2.65	3.01	3.40	3.84	4.32	4.87	5.49	6.21	7.05	8.05	9.27	10.77	12.70	15.27	
	Efficiency	34.4	38.4	42.6	46.7	50.8	54.7	58.4	61.8	64.8	67.4	69.4	70.7	71.3	71.2	70.2	68.2	65.2	61.0	55.7	
35°C	Capacity			1064	1433	1857	2337	2875	3470	4125	4840	5615	6453	7354	8319	9349	10445	11607	12838	14138	
	Power			796	888	977	1061	1140	1213	1278	1334	1380	1416	1440	1451	1448	1429	1395	1344	1274	
	Current			4.2	4.3	4.3	4.4	4.5	4.6	4.8	4.9	4.9	5.0	5.1	5.1	5.1	5.1	5.0	4.8	4.7	
	MassFlow			21.1	28.3	36.4	45.5	55.6	66.7	78.8	91.9	106.0	121.2	137.5	154.8	173.3	192.8	213.5	235.3	258.2	
	COP			1.34	1.61	1.90	2.20	2.52	2.86	3.23	3.63	4.07	4.56	5.11	5.73	6.46	7.31	8.32	9.55	11.10	
	Efficiency			34.3	38.9	43.6	48.2	52.6	56.9	60.8	64.3	67.4	69.9	71.8	73.0	73.3	72.8	71.4	68.9	65.3	
40°C	Capacity				1023	1427	1882	2390	2952	3569	4241	4969	5756	6601	7505	8470	9497	10586	11739	12956	
	Power				835	940	1040	1136	1226	1309	1384	1450	1506	1550	1583	1602	1606	1595	1568	1523	
	Current				4.4	4.4	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.6	5.6	5.5	5.4	
	MassFlow				21.5	29.6	38.7	48.8	59.8	71.7	84.7	98.6	113.5	129.5	146.5	164.5	183.6	203.8	225.0	247.4	
	COP				1.22	1.52	1.81	2.10	2.41	2.73	3.06	3.43	3.82	4.26	4.74	5.29	5.91	6.64	7.49	8.51	
	Efficiency				31.5	36.5	41.6	46.6	51.4	56.0	60.3	64.2	67.7	70.6	72.9	74.4	75.2	75.1	74.0	71.9	
45°C	Capacity					1422	1901	2428	3006	3635	4317	5051	5840	6683	7583	8540	9555	10629	11764		
	Power					1000	1112	1219	1320	1414	1499	1574	1639	1693	1734	1760	1773	1769	1748		
	Current					4.6	4.7	4.9	5.1	5.2	5.4	5.6	5.7	5.9	6.0	6.1	6.1	6.2	6.2		
	MassFlow					31.1	41.1	52.0	63.8	76.6	90.3	105.0	120.6	137.2	154.9	173.5	193.2	213.9	235.7		
	COP					1.42	1.71	1.99	2.28	2.57	2.88	3.21	3.56	3.95	4.37	4.85	5.39	6.01	6.73		
	Efficiency					34.9	40.1	45.4	50.4	55.3	59.8	64.0	67.7	70.8	73.3	75.1	76.1	76.3	75.5		
50°C	Capacity						1373	1866	2405	2991	3624	4306	5038	5820	6654	7541	8481	9476	10527		
	Power						1066	1191	1309	1421	1525	1620	1706	1780	1842	1891	1926	1946	1949		
	Current						4.7	4.9	5.1	5.3	5.6	5.8	6.0	6.2	6.4	6.6	6.7	6.8	6.9		
	MassFlow						31.3	42.2	53.9	66.5	80.0	94.4	109.8	126.0	143.3	161.5	180.6	200.8	222.0		
	COP						1.29	1.57	1.84	2.10	2.38	2.66	2.95	3.27	3.61	3.99	4.40	4.87	5.40		
	Efficiency						33.3	38.6	43.9	49.1	54.0	58.7	62.9	66.7	70.0	72.6	74.5	75.6	75.9		
55°C	Capacity							1732	2274	2858	3487	4162	4882	5650	6466	7331	8247	9213			
	Power							1275	1405	1528	1642	1748	1843	1926	1997	2055	2097	2125			
	Current							5.1	5.4	5.6	5.9	6.2	6.5	6.7	7.0	7.2	7.4	7.6			
	MassFlow							40.8	53.3	66.6	80.7	95.8	111.7	128.5	146.3	165.0	184.7	205.3			
	COP							1.36	1.62	1.87	2.12	2.38	2.65	2.93	3.24	3.57	3.93	4.34			
	Efficiency							36.5	41.7	46.9	51.7	56.3	60.5	64.3	67.5	70.0	71.9	73.0			
60°C	Capacity								1987	2562	3179	3837	4538	5283	6072	6908	7790				
	Power								1505	1639	1764	1879	1984	2077	2157	2222	2273				
	Current								5.6	6.0	6.3	6.7	7.0	7.3	7.6	7.9	8.2				
	MassFlow								48.9	62.8	77.5	93.1	109.6	126.9	145.2	164.3	184.3				
	COP								1.32	1.56	1.80	2.04	2.29	2.54	2.82	3.11	3.43				
	Efficiency								38.2	43.1	47.8	52.2	56.2	59.8	62.8	65.1	66.8				
65°C	Capacity									2056	2652	3285	3958	4672	5426	6224					
	Power									1753	1889	2014	2129	2231	2319	2393					
	Current									6.3	6.8	7.2	7.6	8.0	8.4	8.7					
	MassFlow									53.9	69.2	85.3	102.2	120.0	138.6	158.0					
	COP									1.17	1.40	1.63	1.86	2.09	2.34	2.60					
	Efficiency									37.2	41.6	45.6	49.3	52.5	55.2	57.3					

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

**V80J183MB2** Revision: 1