

Emerson Climate Technologies  
**Integrated Products Division**



**60Hz Air - Cooled Unit Performance**

Release Date:01/11/2017

**Unit Model:** M6KP-0102-CAV-072  
**Compressor:** RST64C1E-CAV-102  
**Condenser:** 566-1181-12 x 1  
**Fan Motor:** 050-0265-08 x 1  
**Fan Blade:** 083-0033-03 x 1  
**Unit Dimensions:** 24.00``L x 18.30``W x 16.16``H

**Refrigerant:** R-404A  
**Return Gas Temp. (°F):** 40  
**Subcooling (°F):** 5  
**Air Flow Rate (CFM):** 1070  
**Fan Motor Power (Watt):** 175  
**Unit Dwg. No:** 496-7145-01

**Performance: 90°F Ambient Air Temperature**

<u>Evap Temp</u> (°F)	<u>Capacity</u> (Btu/hr):	<u>Power</u> (Watts):	<u>EER</u> (Btu/Wh):	<u>Cond. Temp.</u> (°F)	<u>Temp. Diff.</u> (°F)	<u>Refr. Pd.</u> (Psi)
-25	2,850	902	3.2	96.0	6.0	0.0
-20	3,350	957	3.5	96.7	6.7	0.0
-15	3,870	1,014	3.8	97.5	7.5	0.0
-10	4,420	1,073	4.1	98.3	8.3	0.0
-5	4,990	1,134	4.4	99.2	9.2	0.4
0	5,600	1,195	4.7	100.1	10.1	1.1
5	6,240	1,265	4.9	101.1	11.1	1.8
10	6,910	1,325	5.2	102.1	12.1	2.6
15	7,620	1,395	5.5	103.2	13.2	3.5
20	8,370	1,465	5.7	104.4	14.4	4.5
25	9,150	1,535	6.0	105.6	15.6	5.6
30	9,970	1,615	6.2	107.0	17.0	6.8

**Performance: 100°F Ambient Air Temperature**

<u>Evap Temp</u> (°F)	<u>Capacity</u> (Btu/hr):	<u>Power</u> (Watts):	<u>EER</u> (Btu/Wh):	<u>Cond. Temp.</u> (°F)	<u>Temp. Diff.</u> (°F)	<u>Refr. Pd.</u> (Psi)
-25	2,500	906	2.8	106.6	6.6	0.8
-20	2,960	967	3.1	107.2	7.2	1.0
-15	3,450	1,030	3.3	107.8	7.8	1.2
-10	3,960	1,094	3.6	108.5	8.5	1.4
-5	4,490	1,159	3.9	109.1	9.1	1.7
0	5,050	1,225	4.1	109.9	9.9	2.1
5	5,630	1,295	4.3	110.7	10.7	2.5
10	6,250	1,365	4.6	111.6	11.6	2.9
15	6,910	1,435	4.8	112.5	12.5	3.5
20	7,590	1,505	5.0	113.5	13.5	4.1
25	8,310	1,585	5.2	114.6	14.6	4.9
30	9,070	1,655	5.5	115.7	15.7	5.8

**Performance 10290**

**Performance: 110°F Ambient Air Temperature**

<u>Evap. Temp</u> (°F)	<u>Capacity</u> (Btu/hr):	<u>Power</u> (Watts):	<u>EER</u> (Btu/Wh):	<u>Cond. Temp.</u> (°F)	<u>Temp. Diff.</u> (°F)	<u>Refr. Pd.</u> (Psi)
-25	2,330	905	2.6	111.4	1.4	0.0
-20	2,760	970	2.8	112.5	2.5	0.0
-15	3,200	1,036	3.1	113.6	3.6	0.0
-10	3,650	1,104	3.3	114.8	4.8	0.0
-5	4,120	1,175	3.5	116.0	6.0	0.0
0	4,600	1,245	3.7	117.3	7.3	0.0
5	5,110	1,325	3.9	118.7	8.7	0.0
10	5,630	1,395	4.0	120.1	10.1	0.0
15	6,170	1,475	4.2	121.6	11.6	0.0
20	6,740	1,555	4.3	123.1	13.1	7.2
25	7,320	1,635	4.5	124.7	14.7	15.7
30	7,930	1,725	4.6	126.3	16.3	23.7

**Performance: 120°F Ambient Air Temperature**

<u>Evap. Temp</u> (°F)	<u>Capacity</u> (Btu/hr):	<u>Power</u> (Watts):	<u>EER</u> (Btu/Wh):	<u>Cond. Temp.</u> (°F)	<u>Temp. Diff.</u> (°F)	<u>Refr. Pd.</u> (Psi)
-20	2,230	967	2.3	125.4	5.4	0.0
-15	2,620	1,042	2.5	126.5	6.5	0.0
-10	3,010	1,119	2.7	127.5	7.5	0.0
-5	3,410	1,195	2.9	128.6	8.6	6.5
0	3,820	1,275	3.0	129.8	9.8	15.6
5	4,250	1,355	3.1	131.0	11.0	24.2
10	4,700	1,445	3.3	132.1	12.1	32.1
15	5,160	1,525	3.4	133.4	13.4	39.6
20	5,650	1,615	3.5	134.6	14.6	46.1
25	6,160	1,695	3.6	136.0	16.0	52.1
30	6,690	1,785	3.7	137.3	17.3	57.3

**Performance 10290**