

Emerson Climate Technologies
Integrated Products Division



60Hz Air - Cooled Unit Performance

Release Date:01/11/2017

Unit Model:	M6KP-0106-CFV-072	Refrigerant	R-404A
Compressor:	RST80C1E-PFV-150	Return Gas Temp. (°F):	40
Condenser:	066-0304-03 x 1	Subcooling (°F):	5
Fan Motor:	050-0344-00 x 1	Air Flow Rate (CFM)	680
Fan Blade:	083-0160-00 x 1	Fan Motor Power (Watt):	115
Unit Dimensions:	24.00``L x 16.39``W x 13.08``H	Unit Dwg. No:	496-7145-00

APPLICATION APPROVAL REQUIRED

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	3,130	923	3.4	103.3	13.3	2.5
-20	3,620	981	3.7	104.8	14.8	3.1
-15	4,140	1,039	4.0	106.6	16.6	3.8
-10	4,690	1,097	4.3	108.4	18.4	4.7
-5	5,270	1,155	4.6	110.4	20.4	5.7
0	5,870	1,215	4.8	112.4	22.4	7.0
5	6,490	1,275	5.1	114.6	24.6	8.5
10	7,120	1,335	5.3	116.8	26.8	10.2
15	7,770	1,405	5.5	119.0	29.0	12.1
20	8,430	1,465	5.8	121.3	31.3	14.3
25	9,100	1,535	5.9	123.7	33.7	16.7
30	9,770	1,595	6.1	126.2	36.2	19.5

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	2,730	920	3.0	112.5	12.5	2.3
-20	3,170	982	3.2	113.9	13.9	3.1
-15	3,650	1,045	3.5	115.3	15.3	4.1
-10	4,150	1,108	3.7	116.9	16.9	5.3
-5	4,680	1,175	4.0	118.6	18.6	6.5
0	5,230	1,235	4.2	120.4	20.4	7.9
5	5,800	1,305	4.4	122.4	22.4	9.5
10	6,380	1,365	4.7	124.4	24.4	11.3
15	6,970	1,435	4.9	126.5	26.5	13.3
20	7,560	1,505	5.0	128.8	28.8	15.4
25	8,160	1,575	5.2	131.1	31.1	17.8

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30	8,750	1,645	5.3	133.6	33.6	20.5
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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)
-20	2,760	976	2.8	122.9	12.9	3.6
-15	3,170	1,044	3.0	124.2	14.2	4.6
-10	3,620	1,112	3.3	125.6	15.6	5.7
-5	4,090	1,185	3.5	127.1	17.1	7.0
0	4,570	1,245	3.7	128.8	18.8	8.4
5	5,070	1,325	3.8	130.6	20.6	10.1
10	5,580	1,395	4.0	132.5	22.5	12.0
15	6,090	1,465	4.2	134.7	24.7	14.3
20	6,590	1,545	4.3	137.0	27.0	16.9
25	7,080	1,615	4.4	139.5	29.5	19.8

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)
-15	2,740	1,035	2.6	133.2	13.2	6.7
-10	3,110	1,108	2.8	134.5	14.5	8.6
-5	3,490	1,185	2.9	136.1	16.1	10.8
0	3,880	1,255	3.1	137.8	17.8	13.1
5	4,280	1,335	3.2	139.8	19.8	15.6

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