

Emerson Climate Technologies  
Integrated Products Division



60Hz Air - Cooled Unit Performance

Release Date:01/11/2017

Unit Model: M6KP-0112-CFV-072  
Compressor: RST70C1E-PFV-150  
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: 496-7145-11

Performance: 90°F Ambient Air Temperature

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
-25	2,940	817	3.6	95.9	5.9	0.0
-20	3,460	872	4.0	96.7	6.7	0.0
-15	4,010	925	4.3	97.4	7.4	0.0
-10	4,580	976	4.7	98.3	8.3	0.0
-5	5,200	1,025	5.1	99.1	9.1	0.4
0	5,840	1,072	5.4	100.0	10.0	1.0
5	6,530	1,117	5.8	101.0	11.0	1.7
10	7,250	1,161	6.2	102.0	12.0	2.5
15	8,010	1,205	6.6	103.1	13.1	3.4
20	8,810	1,245	7.1	104.2	14.2	4.3
25	9,650	1,285	7.5	105.4	15.4	5.4
30	10,500	1,315	8.0	106.6	16.6	6.5

Performance: 100°F Ambient Air Temperature

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
-25	2,490	813	3.1	106.5	6.5	0.8
-20	2,990	875	3.4	107.0	7.0	0.9
-15	3,500	935	3.7	107.7	7.7	1.1
-10	4,050	994	4.1	108.3	8.3	1.4
-5	4,620	1,049	4.4	109.0	9.0	1.7
0	5,220	1,103	4.7	109.8	9.8	2.0
5	5,860	1,155	5.1	110.6	10.6	2.4
10	6,530	1,205	5.4	111.4	11.4	2.8
15	7,230	1,255	5.8	112.3	12.3	3.4
20	7,970	1,295	6.2	113.3	13.3	4.0
25	8,740	1,345	6.5	114.3	14.3	4.7
30	9,560	1,385	6.9	115.4	15.4	5.6

Performance 10305

**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	2,290	807	2.8	111.0	1.0	0.0
-20	2,740	872	3.1	112.1	2.1	0.0
-15	3,220	937	3.4	113.3	3.3	0.0
-10	3,700	999	3.7	114.5	4.5	0.0
-5	4,210	1,061	4.0	115.7	5.7	0.0
0	4,740	1,121	4.2	117.0	7.0	0.0
5	5,290	1,175	4.5	118.4	8.4	0.0
10	5,860	1,235	4.7	119.8	9.8	0.0
15	6,450	1,295	5.0	121.2	11.2	0.0
20	7,070	1,345	5.3	122.7	12.7	5.0
25	7,710	1,405	5.5	124.2	14.2	13.4
30	8,370	1,455	5.8	125.8	15.8	21.2

**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	2,100	851	2.5	124.7	4.7	0.0
-15	2,530	925	2.7	125.9	5.9	0.0
-10	2,970	997	3.0	127.0	7.0	0.0
-5	3,420	1,067	3.2	128.2	8.2	2.5
0	3,890	1,137	3.4	129.3	9.3	12.1
5	4,370	1,205	3.6	130.5	10.5	21.1
10	4,870	1,275	3.8	131.7	11.7	29.5
15	5,400	1,335	4.0	133.0	13.0	37.1
20	5,940	1,395	4.3	134.2	14.2	44.0
25	6,500	1,455	4.5	135.5	15.5	50.0
30	7,090	1,515	4.7	136.8	16.8	55.3

**Performance 10305**