

Emerson Climate Technologies
Integrated Products Division



60Hz Air - Cooled Unit Performance

Release Date:01/11/2017

Unit Model: M6GP-H064-CAA-177
Compressor: RST45C1E-CAA-102
Condenser: 566-1183-03 x 1
Fan Motor: 050-0367-06 x 1
Fan Blade: 083-0161-00 x 1
Unit Dimensions: 18.86``L x 14.34``W x 11.79``H

Refrigerant R-404A
Return Gas Temp. (°F): 40
Subcooling (°F): 5
Air Flow Rate (CFM) 450
Fan Motor Power (Watt): 100
Unit Dwg. No: 496-7143-64

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	1,460	548	2.7	97.7	7.7	0.7
-20	1,830	585	3.1	98.9	8.9	1.0
-15	2,210	622	3.6	100.1	10.1	1.3
-10	2,580	660	3.9	101.4	11.4	1.8
-5	2,970	698	4.3	102.7	12.7	2.2
0	3,360	736	4.6	104.1	14.1	2.8
5	3,760	775	4.9	105.5	15.5	3.4
10	4,170	815	5.1	106.9	16.9	4.1
15	4,600	856	5.4	108.5	18.5	5.0
20	5,040	898	5.6	110.1	20.1	5.9
25	5,490	941	5.8	111.8	21.8	7.0
30	5,970	987	6.0	113.5	23.5	8.2

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	1,220	552	2.2	107.9	7.9	1.4
-20	1,580	592	2.7	108.9	8.9	1.6
-15	1,940	633	3.1	110.0	10.0	1.9
-10	2,290	673	3.4	111.1	11.1	2.2
-5	2,650	714	3.7	112.2	12.2	2.6
0	3,010	756	4.0	113.4	13.4	3.1
5	3,380	798	4.2	114.6	14.6	3.7
10	3,750	841	4.5	115.9	15.9	4.3
15	4,140	885	4.7	117.2	17.2	5.1
20	4,540	930	4.9	118.6	18.6	6.0
25	4,950	976	5.1	120.2	20.2	7.0
30	5,380	1,025	5.2	121.8	21.8	8.2

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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)
-25	991	554	1.8	118.0	8.0	0.6
-20	1,330	597	2.2	118.8	8.8	1.1
-15	1,670	641	2.6	119.7	9.7	1.7
-10	2,000	685	2.9	120.6	10.6	2.2
-5	2,330	730	3.2	121.6	11.6	2.9
0	2,650	775	3.4	122.6	12.6	3.6
5	2,990	820	3.6	123.6	13.6	4.3
10	3,320	867	3.8	124.8	14.8	5.2
15	3,670	914	4.0	126.0	16.0	6.2
20	4,020	963	4.2	127.3	17.3	7.3
25	4,380	1,013	4.3	128.7	18.7	8.5
30	4,750	1,066	4.5	130.3	20.3	10.0

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	1,420	647	2.2	128.7	8.7	8.3
-10	1,720	695	2.5	129.7	9.7	7.2
-5	2,000	744	2.7	130.8	10.8	6.3
0	2,290	793	2.9	132.0	12.0	5.7
5	2,560	843	3.0	133.2	13.2	5.5
10	2,840	895	3.2	134.5	14.5	5.7
15	3,120	948	3.3	135.9	15.9	6.5
20	3,390	1,002	3.4	137.4	17.4	8.0
25	3,670	1,059	3.5	139.1	19.1	10.3

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