

Emerson Climate Technologies
Integrated Products Division



60Hz Air - Cooled Unit Performance

Release Date:05/11/2017

Unit Model: M7ZH-H046-IAA-177
Compressor: RRT62C1E-IAA-104
Condenser: 066-0337-05 x 1
Fan Motor: 050-0300-00 x 1
Fan Blade: 083-0130-00 x 1
Unit Dimensions: 17.45``L x 13.46``W x 11.71``H

Refrigerant R-134a
Return Gas Temp. (°F): 65
Subcooling (°F): 5
Air Flow Rate (CFM) 300
Fan Motor Power (Watt): 48
Unit Dwg. No: 496-7150-00

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)
-5	2,100	455	4.6	102.3	12.3	0.8
0	2,380	489	4.9	103.9	13.9	1.0
5	2,690	523	5.1	105.7	15.7	1.3
10	3,030	559	5.4	107.6	17.6	1.6
15	3,400	597	5.7	109.7	19.7	1.9
20	3,790	637	5.9	111.9	21.9	2.3
25	4,210	680	6.2	114.3	24.3	2.8
30	4,640	725	6.4	116.8	26.8	3.4
35	5,090	772	6.6	119.4	29.4	4.0
40	5,550	823	6.7	122.1	32.1	4.8
45	6,020	877	6.9	124.9	34.9	5.6

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)
0	2,190	503	4.4	113.5	13.5	0.8
5	2,470	540	4.6	115.2	15.2	1.0
10	2,790	580	4.8	117.0	17.0	1.3
15	3,130	621	5.0	119.0	19.0	1.6
20	3,490	664	5.3	121.2	21.2	2.0
25	3,880	709	5.5	123.5	23.5	2.4
30	4,290	757	5.7	125.9	25.9	2.9
35	4,700	807	5.8	128.4	28.4	3.5
40	5,130	861	6.0	131.0	31.0	4.2
45	5,570	917	6.1	133.8	33.8	4.9

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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)
10	2,560	602	4.3	126.5	16.5	1.1
15	2,870	646	4.4	128.4	18.4	1.4
20	3,210	692	4.6	130.5	20.5	1.7
25	3,570	740	4.8	132.7	22.7	2.2
30	3,940	791	5.0	135.1	25.1	2.6
35	4,330	845	5.1	137.6	27.6	3.2

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)
15	2,630	674	3.9	137.9	17.9	1.2
20	2,940	723	4.1	140.0	20.0	1.6

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