

Emerson Climate Technologies  
**Integrated Products Division**



**60Hz Air - Cooled Unit Performance**

Release Date:05/11/2017

**Unit Model:** M7JH-0018-IAA-177  
**Compressor:** ARE25C4E-IAA-103  
**Condenser:** 066-0332-03 x 1  
**Fan Motor:** 050-0298-00 x 1  
**Fan Blade:** 083-0122-00 x 1  
**Unit Dimensions:** 14.10``L x 11.45``W x 11.37``H

**Refrigerant:** R-134a  
**Return Gas Temp. (°F):** 65  
**Subcooling (°F):** 5  
**Air Flow Rate (CFM):** 223  
**Fan Motor Power (Watt):** 33  
**Unit Dwg. No:** 496-7140-28

**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)
0	1,020	244	4.2	106.7	16.7	0.2
5	1,160	258	4.5	108.4	18.4	0.2
10	1,310	272	4.8	110.3	20.3	0.2
15	1,470	286	5.1	112.2	22.2	0.2
20	1,640	301	5.4	114.3	24.3	0.2
25	1,820	317	5.7	116.6	26.6	0.2
30	2,020	333	6.1	118.9	28.9	0.2
35	2,230	350	6.4	121.5	31.5	0.3
40	2,450	368	6.7	124.1	34.1	0.3
45	2,690	388	6.9	126.9	36.9	0.3

**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)
0	942	249	3.8	116.3	16.3	0.2
5	1,070	264	4.1	117.9	17.9	0.2
10	1,200	279	4.3	119.7	19.7	0.2
15	1,350	295	4.6	121.6	21.6	0.2
20	1,510	311	4.9	123.7	23.7	0.2
25	1,680	328	5.1	125.8	25.8	0.2
30	1,860	346	5.4	128.1	28.1	0.2
35	2,050	365	5.6	130.6	30.6	0.2
40	2,260	385	5.9	133.2	33.2	0.3
45	2,470	405	6.1	135.9	35.9	0.3

**Performance 11492**

**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)
15	1,220	304	4.0	131.0	21.0	0.2
20	1,360	322	4.2	133.0	23.0	0.2
25	1,510	341	4.4	135.1	25.1	0.2
30	1,680	360	4.7	137.2	27.2	0.2
35	1,850	380	4.9	139.6	29.6	0.2

**Performance 11492**