

Emerson Climate Technologies
Integrated Products Division
60Hz Air - Cooled Unit Performance
Release Date:05/17/2012



Unit Model: MCFH-A027-IAA-103
Compressor: ASE19C4-IAA-199
Condenser: 066-0333-03 x 1
Fan Motor: 050-0303-00 x 1
Fan Blade: 083-0122-00 x 1
Unit Dimensions: 13.91``L x 11.47``W x 9.67``H

Refrigerant R-22
Return Gas Temp. (°F): 65
Subcooling (°F): 5
Air Flow Rate (CFM) 220
Fan Motor Power (Watt): 33
Unit Dwg. No: 496-7100-00

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	1,370	320	4.3	105.1	15.1	0.1
5	1,550	340	4.6	107.1	17.1	0.1
10	1,740	360	4.8	109.3	19.3	0.1
15	1,940	380	5.1	111.5	21.5	0.2
20	2,160	400	5.4	113.8	23.8	0.2
25	2,390	420	5.7	116.2	26.2	0.2
30	2,630	450	5.8	118.7	28.7	0.3
35	2,880	470	6.1	121.2	31.2	0.3
40	3,140	500	6.3	123.9	33.9	0.4
45	3,410	530	6.4	126.6	36.6	0.4

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)
5	1,420	350	4.1	116.3	16.3	0.1
10	1,600	370	4.3	118.3	18.3	0.1
15	1,790	390	4.6	120.3	20.3	0.2
20	1,990	410	4.9	122.4	22.4	0.2
25	2,210	440	5.0	124.7	24.7	0.2
30	2,430	460	5.3	127.0	27.0	0.2
35	2,660	490	5.4	129.4	29.4	0.3
40	2,900	520	5.6	132.0	32.0	0.3
45	3,140	550	5.7	134.6	34.6	0.4

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)
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10	1,450	380	3.8	127.4	17.4	0.1
15	1,630	400	4.1	129.3	19.3	0.1
20	1,820	430	4.2	131.3	21.3	0.2
25	2,010	450	4.5	133.4	23.4	0.2
30	2,220	480	4.6	135.7	25.7	0.2
35	2,430	510	4.8	138.0	28.0	0.2
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	1,470	410	3.6	138.4	18.4	0.1

Performance 8315