

Emerson Climate Technologies
Integrated Products Division
60Hz Air - Cooled Unit Performance
Release Date:30/01/2015

Unit Model: FFAP-022Z-CFV-071
Compressor: ZS15KAE-PFV-118
Condenser: 066-0318-07 x 1
Fan Motor: 050-0265-08 x 2
Fan Blade: 083-0034-01 x 2
Unit Dimensions: 25.2``L x 34.1``W x 19.0``H

Refrigerant R-134a
Return Gas Temp. (°F): 65
Subcooling (°F): 5
Air Flow Rate (CFM) 2170
Fan Motor Power 420
Unit Dwg. No: 496-5719-00

Performance: 90°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Subcooling</u> <u>(°F):</u>	<u>Liquid Temp</u> <u>(°F):</u>
25	12,200	1,650	7.4	110.1	20.1	0.0	0.0
30	13,400	1,690	7.9	111.8	21.8	0.0	0.0
35	14,800	1,740	8.5	113.5	23.5	0.0	0.0
40	16,300	1,780	9.2	115.4	25.4	0.0	0.0
45	17,800	1,830	9.7	117.4	27.4	0.0	0.0

Performance: 100°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Subcooling</u> <u>(°F):</u>	<u>Liquid Temp</u> <u>(°F):</u>
25	11,500	1,770	6.5	119.3	19.3	0.0	0.0
30	12,700	1,820	7.0	120.9	20.9	0.0	0.0
35	14,000	1,870	7.5	122.5	22.5	0.0	0.0
40	15,400	1,920	8.0	124.3	24.3	0.0	0.0
45	16,800	1,970	8.5	126.2	26.2	0.0	0.0

Performance: 110°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Subcooling</u> <u>(°F):</u>	<u>Liquid Temp</u> <u>(°F):</u>
25	10,800	1,900	5.7	128.5	18.5	0.0	0.0
30	11,900	1,950	6.1	130.0	20.0	0.0	0.0
35	13,100	2,000	6.6	131.5	21.5	0.0	0.0
40	14,400	2,060	7.0	133.2	23.2	0.0	0.0
45	15,800	2,110	7.5	135.0	25.0	0.0	0.0

Performance: 120°F Ambient Air Temperature

<u>Evap Temp</u> <u>(°F)</u>	<u>Capacity</u> <u>(Btu/hr):</u>	<u>Power</u> <u>(Watts):</u>	<u>EER</u> <u>(Btu/Wh):</u>	<u>Cond. Temp.</u> <u>(°F)</u>	<u>Temp. Diff.</u> <u>(°F)</u>	<u>Subcooling</u> <u>(°F):</u>	<u>Liquid Temp</u> <u>(°F):</u>
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Performance #: 9229

25	9,960	2,030	4.9	137.8	17.8	0.0	0.0
30	11,000	2,080	5.3	139.2	19.2	0.0	0.0
35	12,100	2,140	5.7	140.7	20.7	0.0	0.0
40	13,300	2,200	6.0	142.3	22.3	0.0	0.0
45	14,600	2,260	6.5	143.9	23.9	0.0	0.0

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