

**Emerson Climate Technologies**  
**Integrated Products Division**  
**60Hz Air - Cooled Unit Performance**  
**Release Date:05/06/2012**

**Unit Model:** FFAP-050Z-TFC-071  
**Compressor:** ZS38K4E-TF5-250  
**Condenser:** 066-0285-03 x 1  
**Fan Motor:** 050-0266-04 x 2  
**Fan Blade:** 083-0112-01 x 2  
**Unit Dimensions:** 28.2``L x 44.1``W x 26.8``H

**Refrigerant** R-134a  
**Return Gas Temp. (°F):** 65  
**Subcooling (°F):** 5  
**Air Flow Rate (CFM)** 4240  
**Fan Motor Power (Watt):** 600  
**Unit Dwg. No:** 496-5725-00

**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>Refr. Pd.</u> <u>(Psi)</u>
25	29,400	3,220	9.1	106.9	16.9	5.7
30	32,500	3,360	9.7	108.4	18.4	6.6
35	35,800	3,510	10.2	110.0	20.0	7.6
40	39,300	3,670	10.7	111.6	21.6	8.7
45	43,000	3,830	11.2	113.4	23.4	9.9

**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>Refr. Pd.</u> <u>(Psi)</u>
25	27,800	3,410	8.2	116.3	16.3	5.3
30	30,800	3,550	8.7	117.6	17.6	6.1
35	33,900	3,690	9.2	119.1	19.1	6.9
40	37,200	3,840	9.7	120.7	20.7	7.9
45	40,700	4,000	10.2	122.3	22.3	8.9

**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>Refr. Pd.</u> <u>(Psi)</u>
25	26,200	3,610	7.3	125.6	15.6	4.9
30	29,000	3,750	7.7	126.9	16.9	5.6
35	31,900	3,900	8.2	128.3	18.3	6.4
40	35,100	4,050	8.7	129.7	19.7	7.2
45	38,400	4,210	9.1	131.3	21.3	8.2

**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>Refr. Pd.</u> <u>(Psi)</u>
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**Performance #: 8427**

25	24,600	3,850	6.4	135.1	15.1	4.5
30	27,100	3,990	6.8	136.4	16.4	5.1
35	29,900	4,140	7.2	137.7	17.7	5.7
40	32,800	4,300	7.6	139.1	19.1	6.4

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