

**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:** 083-01112-01 x 2  
**Unit Dimensions:** 28.2``L x 44.1``W x 26.8``H

**Refrigerant** R-134a  
**Return Gas Temp. (°F):** 40  
**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>
0	16,600	2,650	6.3	100.7	10.7	2.1
5	18,700	2,750	6.8	101.7	11.7	2.9
10	20,900	2,850	7.3	102.8	12.8	3.4
15	23,400	2,970	7.9	104.0	14.0	4.1
20	26,000	3,090	8.4	105.3	15.3	4.8
25	28,900	3,220	9.0	106.7	16.7	5.6

**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>
0	15,600	2,820	5.5	110.4	10.4	2.2
5	17,600	2,920	6.0	111.4	11.4	2.9
10	19,700	3,030	6.5	112.4	12.4	3.4
15	22,000	3,150	7.0	113.5	13.5	3.9
20	24,500	3,270	7.5	114.7	14.7	4.5
25	27,200	3,400	8.0	116.0	16.0	5.1

**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>
0	14,700	3,000	4.9	120.1	10.1	2.1
5	16,500	3,110	5.3	121.0	11.0	2.7
10	18,500	3,220	5.7	122.0	12.0	3.2
15	20,700	3,350	6.2	123.0	13.0	3.6
20	23,000	3,470	6.6	124.1	14.1	4.2
25	25,500	3,610	7.1	125.3	15.3	4.8

**Performance #: 8423**

**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>
0	13,700	3,180	4.3	129.8	9.8	2.3
5	15,400	3,300	4.7	130.7	10.7	2.8
10	17,300	3,430	5.0	131.6	11.6	3.1
15	19,300	3,560	5.4	132.6	12.6	3.4
20	21,400	3,700	5.8	133.7	13.7	3.9
25	23,800	3,840	6.2	134.8	14.8	4.3

**Performance #: 8423**