

Emerson Climate Technologies
Integrated Products Division
60Hz Air - Cooled Unit Performance
Release Date:09/07/2012

Unit Model: FFAP-015Z-TFC-072
Compressor: ZS09KAE-TF5-118
Condenser: 066-0320-04 x 1
Fan Motor: 050-0265-08 x 1
Fan Blade: 083-0033-01 x 1
Unit Dimensions: 24.1``L x 18.3``W x 16.6``H

Refrigerant R-134a
Return Gas Temp. (°F): 40
Subcooling (°F): 5
Air Flow Rate (CFM) 1070
Fan Motor Power (Watt): 210
Unit Dwg. No: 496-5716-00

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	4,220	850	5.0	100.5	10.5	1.8
5	4,770	880	5.4	101.6	11.6	2.3
10	5,360	900	6.0	102.8	12.8	2.5
15	6,000	920	6.5	104.0	14.0	2.9
20	6,680	950	7.0	105.3	15.3	3.2
25	7,420	970	7.6	106.6	16.6	3.7

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	4,000	920	4.3	110.2	10.2	1.9
5	4,510	940	4.8	111.3	11.3	2.3
10	5,060	970	5.2	112.4	12.4	2.5
15	5,660	1,000	5.7	113.5	13.5	2.8
20	6,300	1,020	6.2	114.8	14.8	3.1
25	6,990	1,050	6.7	116.1	16.1	3.4

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	3,750	990	3.8	120.0	10.0	1.9
5	4,230	1,020	4.1	121.0	11.0	2.2
10	4,740	1,050	4.5	122.1	12.1	2.4
15	5,290	1,080	4.9	123.2	13.2	2.6
20	5,880	1,110	5.3	124.3	14.3	2.9
25	6,520	1,140	5.7	125.6	15.6	3.2

Performance #: 8491

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	3,460	1,070	3.2	129.6	9.6	1.9
5	3,900	1,100	3.5	130.7	10.7	2.2
10	4,370	1,130	3.9	131.7	11.7	2.3
15	4,870	1,160	4.2	132.8	12.8	2.5
20	5,420	1,190	4.6	134.0	14.0	2.7
25	6,010	1,220	4.9	135.2	15.2	3.0

Performance #: 8491