Emerson Climate Technologies

Integrated Products Division

60Hz Air - Cooled Unit Performance

Release Date:05/06/2012

Unit Model:	FFAP-050Z-CFV-071	**Refrigerant**	R-134a
Compressor:	ZS38K4E-PFV-250	**Return Gas Temp. (°F):**	40
Condenser:	066-0285-03 x 1	**Subcooling (°F):**	5
Fan Motor:	050-0266-04 x 2	**Air Flow Rate (CFM)**	4240
Fan Blade:	083-0112-01 x 2	**Fan Motor Power (Watt):**	600
Unit Dimensions:	28.2``L x 44.1``W x 26.8``H	**Unit Dwg. No:**	496-5725-00

Performance: 90°F Ambient Air Temperature

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
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

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
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

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
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

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Performance: 120°F Ambient Air Temperature

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Refr. Pd. (Psi)
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

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