

Emerson Climate Technologies
Integrated Products Division



60Hz Air - Cooled Unit Performance

Release Date:06/10/2009

Unit Model: XFAL-030Z-TFC-081
Compressor: ZXI09KCE-TF5-687
Condenser: 066-0800-00 x 1
Fan Motor: 050-0316-01 x 1
Fan Blade: 083-6931-00 x 1
Unit Dimensions: 40.59``L x 17.34``W x 32.97``H

Refrigerant R-404A
Return Gas Temp. (°F): 65
Subcooling (°F): Actual
Air Flow Rate (CFM) 2050
Fan Motor Power (Watt): 165
Unit Dwg. No: 496-5734-02

Performance: 90°F Ambient Air Temperature

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Subcooling (°F):	Liquid Temp (°F):
-40	7,840	2,280	3.4	98.0	8.0	65.2	32.8
-35	9,390	2,370	4.0	99.3	9.3	62.4	36.9
-30	10,950	2,460	4.4	100.6	10.6	59.7	40.9
-25	12,500	2,550	4.9	101.9	11.9	57.0	44.9
-20	14,060	2,640	5.3	103.2	13.2	54.2	49.0
-15	15,620	2,740	5.7	104.5	14.5	51.5	53.0
-10	17,170	2,830	6.1	105.8	15.8	48.7	57.1
-5	18,730	2,920	5.4	107.1	17.1	46.0	61.1
0	20,280	3,010	6.7	108.4	18.4	43.3	65.1

Performance: 100°F Ambient Air Temperature

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Subcooling (°F):	Liquid Temp (°F):
-40	6,940	2,560	2.7	107.3	7.3	67.9	39.4
-35	8,520	2,660	3.2	108.6	8.6	65.1	43.5
-30	10,100	2,750	3.7	109.9	9.9	62.4	47.5
-25	11,680	2,840	4.1	111.2	11.2	59.7	51.5
-20	13,260	2,930	4.5	112.5	12.5	56.9	55.6
-15	14,840	3,020	4.9	113.8	13.8	54.2	59.6
-10	16,420	3,120	5.3	115.1	15.1	51.4	63.7
-5	18,000	3,210	5.6	116.4	16.4	48.7	67.7
0	19,580	3,300	5.9	117.7	17.7	46.0	71.7

Performance: 110°F Ambient Air Temperature

Evap Temp (°F)	Capacity (Btu/hr):	Power (Watts):	EER (Btu/Wh):	Cond. Temp. (°F)	Temp. Diff. (°F)	Subcooling (°F):	Liquid Temp (°F):
-40	5,830	2,910	2.0	116.6	6.6	70.1	46.5

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-35	7,420	3,010	2.5	117.9	7.9	67.4	50.5
-30	9,010	3,100	2.9	119.2	9.2	64.6	54.6
-25	10,590	3,190	3.3	120.5	10.5	61.9	58.6
-20	12,180	3,280	3.7	121.8	11.8	59.1	62.7
-15	13,770	3,370	4.1	123.1	13.1	56.4	66.7
-10	15,350	3,470	4.4	124.4	14.4	53.7	70.7
-5	16,940	3,560	4.8	125.7	15.7	50.9	74.8
0	18,530	3,650	5.1	127.0	17.0	48.2	78.8

Performance: 120°F Ambient Air Temperature

<u>Evap. Temp</u> (°F)	<u>Capacity</u> (Btu/hr):	<u>Power</u> (Watts):	<u>EER</u> (Btu/Wh):	<u>Cond. Temp.</u> (°F)	<u>Temp. Diff.</u> (°F)	<u>Subcooling</u> (°F):	<u>Liquid Temp</u> (°F):
-40	4,590	3,330	1.4	125.9	5.9	71.9	54.0
-35	6,180	3,430	1.8	127.2	7.2	69.2	58.0
-30	7,760	3,520	2.2	128.5	8.5	66.5	62.0
-25	9,350	3,610	2.6	129.7	9.7	63.7	66.0
-5	15,700	3,980	3.9	134.9	14.9	52.8	82.1
0	17,280	4,070	4.2	136.2	16.2	50.0	86.2

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