

Emerson Climate Technologies
Integrated Products Division
60Hz Air - Cooled Unit Performance
Release Date:09/29/2009



Unit Model: XFAL-020Z-TFC-081
Compressor: ZXI06KCE-TF5-687
Condenser: 066-0389-00 x 1
Fan Motor: 050-0316-01 x 1
Fan Blade: 083-6931-00 x 1
Unit Dimensions: 40.58``L x 15.28``W x 32.98``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: 496-5734-01

Performance: 90°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	5,700	2,120	2.7	98.5	8.5	60.5	38.0
-35	6,960	2,140	3.3	99.3	9.3	61.4	37.9
-30	8,210	2,170	3.8	100.0	10.0	61.3	38.7
-25	9,450	2,190	4.3	100.8	10.8	60.4	40.3
-20	10,690	2,220	4.8	101.5	11.5	58.8	42.7
-15	11,920	2,250	5.3	102.3	12.3	56.6	45.7
-10	13,140	2,280	5.8	103.1	13.1	53.7	49.4
-5	14,360	2,320	6.2	103.8	13.8	50.3	53.5
0	15,570	2,350	6.6	104.6	14.6	46.5	58.1

Performance: 100°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	5,640	2,400	2.4	108.2	8.2	63.4	44.9
-35	6,840	2,420	2.8	109.0	9.0	64.2	44.8
-30	8,020	2,440	3.3	109.8	9.8	64.2	45.6
-25	9,200	2,470	3.7	110.5	10.5	63.3	47.2
-20	10,370	2,490	4.2	111.3	11.3	61.7	49.6
-15	11,530	2,530	4.6	112.1	12.1	59.4	52.6
-10	12,680	2,560	5.0	112.8	12.8	56.6	56.3
-5	13,830	2,590	5.3	113.6	13.6	53.2	60.4
0	14,970	2,630	5.7	114.4	14.4	49.3	65.0

Performance: 110°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	5,500	2,740	2.0	117.6	7.6	64.5	53.1

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-35	6,610	2,760	2.4	118.3	8.3	65.3	53.0
-30	7,710	2,780	2.8	119.1	9.1	65.3	53.9
-25	8,810	2,800	3.2	119.9	9.9	64.4	55.5
-20	9,890	2,830	3.5	120.6	10.6	62.8	57.8
-15	10,970	2,860	3.8	121.4	11.4	60.5	60.9
-10	12,040	2,900	4.2	122.2	12.2	57.6	64.5
-5	13,100	2,930	4.5	122.9	12.9	54.3	68.7
0	14,160	2,970	4.8	123.7	13.7	50.4	73.3

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	5,170	3,115	1.7	127.6	7.6	66.5	61.1
-35	6,180	3,122	2.0	128.2	8.2	65.5	62.7
-30	7,190	3,130	2.3	128.8	8.8	64.3	64.5
-25	8,200	3,140	2.6	129.4	9.4	62.8	66.6
-20	9,210	3,152	2.9	130.0	10.0	61.2	68.8
-15	10,220	3,166	3.2	130.6	10.6	59.2	71.4
-5	12,240	3,206	3.7	131.9	11.9	54.4	77.5
0	13,250	3,233	3.9	132.5	12.5	51.5	81.0

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