

FJAF-0106-CAV-020

HFC, R-404A, 50Hz, 1- Phase, 200 V



Availability : Standard US Wholesaler

Mechanical

Unit Height (in):	16.1
Unit Length (in):	24.0
Unit Width (in):	18.3
Ship Weight (lbs):	140.0
Condensor Type:	Air
CopeVap Water Storage:	NA
Reciever Capacity (lbs):	5.4
Liquid Connection Size (in)/Type:	3/8 S
Suction Connection Size (in)/Type:	7/8 S
Discharge Line Size(in):	0.375
Water Inlet (in):	
Water Outlet (in):	
Oil Type:	POE
Oil Recharge Amount (oz):	15

Electrical

Max Fuse Size:	20
Min Circuit Ampacity:	12.7
Compressor:	RST64C1E-CAV-108
Compressor LRA - Low:	
Compressor LRA - High:	43.0
Compressor LRA - Half winding:	
Compressor RLA:	9.0
UL:	None
UL File #:	None
UL Guide Card:	None
Amps Per Motor:	2.6
Fan Motor Quantity:	1

Air - Cooled Unit Performance

Release Date:	19-May-2010	Return Gas Temp. (°F):	40
Compressor:	RST64C1E-CAV-108 x 1	Subcooling (°F):	5
Performance No:	8047	Air Flow Rate (CFM)	892
90°F Ambient Air Temperature			
<u>Evap Temp</u> (°F)	<u>Unit Capacity</u> (Btu/hr)	<u>Cond. Temp.</u> (°F)	<u>Temp. Diff.</u> (°F)
-25	2,250	99.3	9.3
-20	2,650	100.0	10.0
-15	3,090	100.9	10.9
-10	3,560	101.9	11.9
-5	4,050	102.9	12.9
0	4,560	104.2	14.2
5	5,120	105.0	15.0
10	5,680	106.2	16.2
15	6,280	107.5	17.5
20	6,880	108.7	18.7
25	7,510	110.0	20.0

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>
1	RST64C1E-CAV-901	1	WELD COMP NT6226GKV-404A
4	940-0001-71	1	RELAY-POTENTIAL KIT
5	971-0604-13	1	PROTECTOR KIT
6	545-0029-00	1	SHROUD ASSM
9	083-0033-01	1	BLADE-FAN
10	566-1181-00	1	CONDENSER GROUP
11	577-0315-01	1	RECEIVER
13	024-0217-00	1	GUARD-FAN
22	050-0265-00	1	MOTOR-FAN
30	914-0008-74	1	CAP START KIT
31	914-0037-14	1	RUN CAP KIT
29	066-0320-00	1	CONDENSER-AIR
35	985-CP2M-7A	1	CONTROL-DUAL PRESSURE
36	998-0510-89	1	SERV VALVE KIT 7/8 SWT

Emerson Climate Technologies
 Integrated Products Division
 50Hz Air - Cooled Unit Performance
 Release Date:19/05/2010



Unit Model:	FJAF-0106-CAV-020	Refrigerant	R-404A
Compressor:	RST64C1E-CAV-108	Return Gas Temp. (°F):	40
Condenser:	066-0320-04 x 1	Subcooling (°F):	5
Fan Motor:	050-0265-00 x 1	Air Flow Rate (CFM)	892
Fan Blade:	083-0033-01 x 1	Fan Motor Power (Watt):	175
Unit Dimensions:	24.0`L x 18.3`W x 16.1`H	Unit Dwg. No:	496-7008-01

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>Refr. Pd.</u> (Psi)
-25	2,250	850	2.6	99.3	9.3	1.8
-20	2,650	890	3.0	100.0	10.0	1.7
-15	3,090	930	3.3	100.9	10.9	1.5
-10	3,560	980	3.6	101.9	11.9	1.5
-5	4,050	1,020	4.0	102.9	12.9	1.5
0	4,560	1,070	4.3	104.2	14.2	1.3
5	5,120	1,110	4.6	105.0	15.0	1.8
10	5,680	1,170	4.9	106.2	16.2	2.0
15	6,280	1,220	5.1	107.5	17.5	2.3
20	6,880	1,270	5.4	108.7	18.7	2.7
25	7,510	1,330	5.6	110.0	20.0	3.1

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>Refr. Pd.</u> (Psi)
-25	1,970	850	2.3	108.7	8.7	1.8
-20	2,340	890	2.6	109.4	9.4	1.7
-15	2,750	940	2.9	110.3	10.3	1.5
-10	3,180	980	3.2	111.1	11.1	1.4
-5	3,640	1,030	3.5	112.1	12.1	1.4
0	4,110	1,080	3.8	113.3	13.3	1.2
5	4,630	1,130	4.1	114.1	14.1	1.7
10	5,150	1,190	4.3	115.2	15.2	1.8
15	5,690	1,240	4.6	116.4	16.4	2.2
20	6,240	1,300	4.8	117.5	17.5	2.5
25	6,820	1,360	5.0	118.8	18.8	2.8

Performance #: 8047

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>Refr. Pd.</u> (Psi)
-25	1,720	830	2.1	118.0	8.0	1.1
-20	2,060	880	2.3	118.8	8.8	1.1
-15	2,430	930	2.6	119.6	9.6	1.1
-10	2,830	990	2.9	120.4	10.4	1.2
-5	3,240	1,040	3.1	121.3	11.3	1.3
0	3,670	1,100	3.3	122.5	12.5	1.1
5	4,130	1,160	3.6	123.2	13.2	1.6
10	4,600	1,220	3.8	124.2	14.2	1.8
15	5,080	1,280	4.0	125.3	15.3	2.2
20	5,580	1,330	4.2	126.4	16.4	2.5
25	6,100	1,390	4.4	127.5	17.5	2.8

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>Refr. Pd.</u> (Psi)
-15	2,140	930	2.3	128.9	8.9	1.2
-10	2,490	990	2.5	129.7	9.7	1.2
-5	2,870	1,050	2.7	130.5	10.5	1.3
0	3,240	1,110	2.9	131.6	11.6	1.0
5	3,650	1,180	3.1	132.2	12.2	1.5
10	4,070	1,240	3.3	133.2	13.2	1.8
15	4,490	1,300	3.5	134.2	14.2	2.1
20	4,930	1,370	3.6	135.2	15.2	2.4
25	5,390	1,430	3.8	136.2	16.2	2.8

Performance #: 8047