

RFT22C1E-IAA

HFC, R-404A, 60Hz, 1- Phase, 115 V

Low Temperature



Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

Evap(°F)/Cond(°F)	-10 / 120	-25 / 105
RG(°F)/Liq(°F)	40 / 120	40 / 105
Capacity (Btu/hr)	1985	1500
Power (Watts):	635	487
Current (Amps):	8.05	7.20
EER (Btu/Wh):	3.20	3.00
Mass Flow (lbs/hr):	45	30
Sound Power (dBA):	62 Avg	64 Max
Vibration (mils(peak-		
Record Date:	2007-10-11	

Mechanical

Number of Cylinders:	1	Displ(in ³ /Rev):	0.89
Bore Size(in):	1.34	Displ(ft ³ /hr):	107.75
Stroke(in):	0.62		
Overall Length (in):	10.30	Mounting Length (in):	8.00
Overall Width (in):	7.10	Mounting Width (in):	4.80
Overall Height (in):	8.70	Mounting Height (in):	9.30 *
Suction Size (in):	3/8 Stub		
Discharge Size (in):	1/4 Stub		
Oil Recharge (oz):	13		
Initial Oil Charge (oz):	15		
Net Weight (lbs):	37.5		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	54.5	MCC (Amps):	11.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	04-Oct-1979
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		7.9			
RLA(=MCC/1.56;use for breaker & wire size		7.1			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-32	243.0	292.0	165	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-404A HFC	50	1	100	

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	005-1186-01	1	COVER-TERMINAL	
99	020-1262-00	1	GASKET-TERM BOX	
99	071-0645-00	1	PROTECTOR	
99	527-C001-00	1	PARTS BAG MOUNTING	
99	914-0036-09	1	CAP START KIT	
99	918-0097-00	1	HEATER-CRANKCASE KIT	120V 20W WRAP AROUND
99	918-0097-01	1	HEATER-CRANKCASE KIT	240V 20W WRAP AROUND
99	940-C016-03	1	RELAY-CURRENT KIT	
99	998-0510-45	1	SERV VALVE KIT 5/8 SWT	SUCTION ROTALOCK

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Accessories

<u>PartNumber</u>	<u>Description</u>
018-0097-00	Crankcase Heater, 120V
018-0097-01	Crankcase Heater, 240V
527-C001-00	Spacer Mounting Assembly

Common U.S. OEM Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
202		3/8"		1/4"		-	-	-	-	-	-
201		3/8"		1/4"		Yes	-	-	-	-	-

Common U.S. Service Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
901		3/8"		1/4"		Yes	-	-	-	-	-
902						-	-	-	-	-	-
959	Rotalock	1"		1/4"		-	-	-	-	-	-

*** Note:** For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.