

# RST97C1E-PFV

HFC, R-407C, 60Hz, 1- Phase, 208/230 V

High Temp



**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)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65.0 / 130.0	65.0 / 120.0
Capacity (Btu/hr)	14800	9180
Power (Watts):	1670	1340
Current (Amps):	7.90	6.70
EER (Btu/Wh):	8.90	6.80
Mass Flow (lbs/hr):	237	133
Sound Power (dBA):	73 Avg	76 Max
Vibration (mils(peak-peak)):		
Record Date:	2012-02-16	

## Mechanical

Number of Cylinders:	1	Displ(in <sup>3</sup> /Rev):	1.60
Bore Size(in):	1.46	Displ(ft <sup>3</sup> /hr):	194.45
Stroke(in):	0.96		
Overall Length (in):	10.30	Mounting Length (in):	8.00
Overall Width (in):	7.10	Mounting Width (in):	4.80
Overall Height (in):	9.80	Mounting Height (in):	10.40 *
Suction Size (in):		1/2 Stub	
Discharge Size (in):		3/8 Stub	
Oil Recharge (oz):		20	
Initial Oil Charge (oz):		22	
Net Weight (lbs):		39.2	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	51.0	MCC (Amps):	14.0	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		10			
RLA(=MCC/1.56;use for breaker & wire size selection):		9			
*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	014-0061-29	108.0	130.0	330	
Run Capacitor	014-0064-12	30.0	0.0	440	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-404A HFC	60	1	208/230	Extended Medium Temp

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## Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
11	005-1186-01	1	COVER-TERMINAL	
12	020-1262-00	1	GASKET-TERM BOX	
7	527-C001-00	1	PARTS BAG MOUNTING	
99	910-0071-00	1	KIT-VALVE ASSEMBLY	5/8 SWT SUCTION
1	914-0036-05	1	CAP START KIT	
9	914-0037-16	1	RUN CAP KIT W/CLAMP	
8	918-0097-00	1	HEATER-CRANKCASE KIT	120V 20W WRAP AROUND
8	918-0097-01	1	HEATER-CRANKCASE KIT	240V 20W WRAP AROUND
3	940-0001-68	1	RELAY-POTENTIAL KIT	

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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
201		1/2"		3/8"		Yes	-	-	-	-	-
202		1/2"		3/8"		-	-	-	-	-	-

**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		1/2"		3/8"		Yes	-	-	-	-	-
959		1/2"		3/8"		-	-	-	-	-	-

\* 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.