

RST80C1E-PFV

HFC, R-404A, 60Hz, 1- Phase, 208/230 V
Extended Medium 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)	20 / 120	-10 / 120
RG(°F)/Liq(°F)	40.0 / 120.0	40.0 / 120.0
Capacity (Btu/hr)	8250	3820
Power (Watts):	1390	1030
Current (Amps):	6.85	5.35
EER (Btu/Wh):	5.95	3.70
Mass Flow (lbs/hr):	197	87
Sound Power (dBA):	73 Avg	76 Max
Vibration (mils(peak-peak)):		
Record Date:	2013-01-24	

Mechanical

Number of Cylinders:	1	Displ(in ³ /Rev):	1.45
Bore Size(in):	1.50	Displ(ft ³ /hr):	176.10
Stroke(in):	0.82		
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 ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	46.0	MCC (Amps):	13.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	23-Jun-1972
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		9.3			
RLA(=MCC/1.56;use for breaker & wire size selection):		8.3			
*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-407C HFC	60	1	208/230	High 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	580-0080-01	1	BLOCK-TERMINAL ASSM	
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>Category</u>	<u>PartNumber</u>	<u>Description</u>
Crankcase Heaters	018-0097-00	Crankcase Heater, 120V
	018-0097-01	Crankcase Heater, 240V
Mounting	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		1/2"		3/8"		-	-	-	-	-	-
201		1/2"		3/8"		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		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.