

RST97C1E-PFV

HFC, R-407C, 60 Hz, 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

Evaporator Temp. (°F)	45	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	14800	9180
Power (W):	1670	1340
Current (Amps):	7.90	6.70
EER (Btu/Wh):	8.90	6.80
Mass Flow (lbs/hr):	237	133
<u>Sound Data @</u>		
Sound Power (dBA):	73 Avg	76 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2012-02-16	

Mechanical

Displacment(in ³ /Rev):	1.60
Displacment(ft ³ /hr):	194.45
Overall Length (in):	10.30
Overall Width (in):	6.93
Overall Height (in):	9.84
Mounting Length (in):	8.00
Mounting Width (in):	4.80
Mounting Height (in):	10.43 *
Suction Size (in),Type:	1/2 Stub
Discharge Size (in),Type:	3/8 Stub
Initial Oil Charge (oz):	22
Oil Recharge (oz):	20
Net Weight (lbs):	39.0
Internal Free Volume (in ³):	
Horse Power:	

*Overall compressor height on Copeland Brand Product's specified mounting grommets.

Electrical

LRA-High*(Amp):	51.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	14.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	10.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	9.0
RPM:	
UL File No:	
UL File Date:	

*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

Capacitors

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	Voltage	Phase	Freq (Hz)	Application
R-404A HFC	208/230	1	60	Extended Medium Temp
R-448A HFO	208/230	1	60	Medium Temperature
R-449A HFO	208/230	1	60	Medium Temperature