

# RST80C1E-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)	13100	8090
Power (W):	1520	1220
Current (Amps):	7.10	6.00
EER (Btu/Wh):	8.60	6.60
Mass Flow (lbs/hr):	209	117
<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 <sup>3</sup> /Rev):	1.45
Displacment(ft <sup>3</sup> /hr):	176.10
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 <sup>3</sup> ):	
Horse Power:	

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

## Electrical

LRA-High*(Amp):	46.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	13.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	9.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	8.3
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