

# RST45C1E-IAV

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)	6910	4130
Power (W):	956	731
Current (Amps):	5.70	4.40
EER (Btu/Wh):	7.20	5.70
Mass Flow (lbs/hr):	110	60
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2012-05-01	

## Mechanical

Displacment(in <sup>3</sup> /Rev):	0.89
Displacment(ft <sup>3</sup> /hr):	107.75
Overall Length (in):	10.30
Overall Width (in):	7.10
Overall Height (in):	8.70
Mounting Length (in):	8.00
Mounting Width (in):	4.80
Mounting Height (in):	9.30 *
Suction Size (in),Type:	3/8 Stub
Discharge Size (in),Type:	1/4 Stub
Initial Oil Charge (oz):	15
Oil Recharge (oz):	13
Net Weight (lbs):	37.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

## Electrical

LRA-High*(Amp):	26.5
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	7.4
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	5.3
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	4.7
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	014-0053-27	72.0	88.0	330	

## 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