

RST45C1E-IAV

HFO, R-449A, 60 Hz, 1 -phase, 208/230 V

Medium Temperature



Production Status: Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

<u>Evap(°F)/Cond(°F)</u>	<u>20 / 120</u>	<u>0 / 110</u>
<u>RG(°F)/Liq(°F)</u>	<u>40.0 / 120.0</u>	<u>40.0 / 110.0</u>
Capacity (Btu/hr)	4080	2610
Power (Watts):	786	590
Current (Amps):	4.75	3.70
EER (Btu/Wh):	5.20	4.45
Mass Flow (lbs/hr):	68	40
<u>Sound Data</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2016-02-08	

Mechanical

Number of Cylinders:	1	Displ(in^3/Rev):	0.89
Bore Size(in):	1.34	Displ(ft^3/hr):	107.75
Stroke(in):	0.62		
Overall Length (in):	10.30	Mounting Length (in):	8.00
Overall Width (in):	7.10	Mounting Width (in):	4.80
Overall Height (in):	8.70	Mounting Height (in):	9.30 *
Suction Size (in):	3/8 Stub		
Discharge Size (in):	1/4 Stub		
Oil Recharge (oz):	13		
Initial Oil Charge (oz):	15		
Net Weight (lbs):	37.2		
Internal Free Volume (in^3):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	26.5	MCC (Amps):	7.4	UL File No:	
LRA-Half Winding:		RPM:	3500	UL File Date:	
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		5.3			
RLA(=MCC/1.56;use for breaker & wire size		4.7			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low	High	Volts	User Description
Start Capacitor	014-0053-27	72.0	88.0	330	

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-404A HFC	60	1	208/230	Extended Medium Temp
R-407C HFC	60	1	208/230	High Temp
R-448A HFO	60	1	208/230	Medium Temperature