

RST80C1E-TA5

HFO, R-449A, 60 Hz, 3 -phase, 200/230 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)	8390	5520
Power (Watts):	1245	1005
Current (Amps):	4.00	3.55
EER (Btu/Wh):	6.75	5.50
Mass Flow (lbs/hr):	140	84
<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):	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*:	36.0	MCC (Amps):	8.0	UL File No:
LRA-Half Winding:		RPM:	3500	UL File Date:
LRA Low*:		Max Operating Current:		
RLA(=MCC/1.4;use for contactor selection):		5.7		
RLA(=MCC/1.56;use for breaker & wire size)		5.1		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.				

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-404A HFC	60	3	200/230	Extended Medium Temp
R-448A HFO	60	3	200/230	Medium Temperature

RST80C1E-TA5

HFO, R-449A, 60Hz, 3- Phase, 200/230 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.

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	910-0071-00	1	KIT-VALVE ASSEMBLY	5/8 SWT SUCTION
8	918-0097-00	1	HEATER-CRANKCASE KIT	120V 20W WRAP AROUND
8	918-0097-01	1	HEATER-CRANKCASE KIT	240V 20W WRAP AROUND
5	971-0604-19	1	PROTECTOR KIT	

RST80C1E-TA5

HFO, R-449A, 60Hz, 3- Phase, 200/230 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.

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
201		1/2"		3/8"		Yes	-	-	-	-	-
202		1/2"		3/8"		-	-	-	-	-	-

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.**