

CRNQ-050E-TF5

HFC, R-407C, 60Hz, 3- Phase, 200/230 V
Air Conditioning



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

Performance

Evap(°F)/Cond(°F)	<u>45 / 130</u>	<u>45 / 100</u>
RG(°F)/SubCool(°F)	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	57000	76500
Power (Watts):	5800	4730
Current (Amps):	16.50	14.30
EER (Btu/Wh):	9.80	16.10
Mass Flow (lbs/hr):	830	950
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak- Record Date: 2010-12-23	5.0 Avg	6.0 Max

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	6.22
Bore Size(in):	1.96	Displ(ft ³ /hr):	756.06
Stroke(in):	1.03		
Overall Length (in):	11.38	Mounting Length (in):	7.50
Overall Width (in):	9.38	Mounting Width (in):	7.50
Overall Height (in):	16.13	Mounting Height (in):	16.50 *
Suction Size (in):		7/8 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		66	
Initial Oil Charge (oz):		70	
Net Weight (lbs):		90	
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	130.0	MCC (Amps):	30.0	UL File No:	
LRA-Half Winding:		RPM:		UL File Date:	28-Dec-1984
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		21.4			
RLA(=MCC/1.56;use for breaker & wire size)		19.2			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	60	3	200/230	
R-407C HFC	50	3	200/240	Air Conditioning
R-22 HCFC	50	3	200/240	UL High Temp

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	527-0144-00	1	SPACER-MOUNTING ASSM	
99	918-0088-04	1	HEATER-CRANKCASE KIT	45/55W 240/265V FLEXIBLE

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
230		7/8"		1/2"	SCREW	-	-	-	-	-	-
270		7/8"		1/2"	SCREW	-	-	Yes	-	-	-
272		7/8"		1/2"	SCREW	-	-	Yes	-	-	-

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
970		7/8"		1/2"	SCREW	-	-	-	-	-	-

* 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.