

CR53KQE-TF5

HCFC, R-22, 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)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65 / 115	65 / 85
Capacity (Btu/hr)	53000	67500
Power (Watts):	5200	4290
Current (Amps):	16.00	14.00
EER (Btu/Wh):	10.20	15.70
Mass Flow (lbs/hr):	780	870
Sound Power (dBA):	76 Avg	81 Max
Vibration (mils(peak- Vibration (mils(peak- Record Date:	4.0 Avg	5.0 Max
	2014-03-06	

Mechanical

Number of Cylinders:2	Displ(in ³ /Rev):	5.47
Bore Size(in):	1.96	Displ(ft ³ /hr):
Stroke(in):	0.91	665.12
Overall Length (in):	10.62	Mounting Length (in):
Overall Width (in):	9.22	7.50
Overall Height (in):	14.81	Mounting Width (in):
		7.50
		Mounting Height (in):
		15.19 *
Suction Size (in):	7/8 Stub	
Discharge Size (in):	1/2 Stub	
Oil Recharge (oz):	43	
Initial Oil Charge (oz):	45	
Net Weight (lbs):	77	
Internal Free Volume (in ³):		
Horse Power:		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical

LRA-High*:	107	MCC (Amps):	25.5	UL File No:
LRA-Half Winding:		RPM:		UL File Date:
LRA Low*:		Max Operating Current:		
RLA(=MCC/1.4;use for contactor selection):		18.2		
RLA(=MCC/1.56;use for breaker & wire size		16.3		
*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-407C HFC	50	3	200/240	Air Conditioning
R-22 HCFC	50	3	200/240	High Temp
R-22 HCFC	50	3	200/240	UL High Temp
R-22 HCFC	50	3	200/240	Air Conditioning
R-407C HFC	60	3	200/230	Air Conditioning
R-22 HCFC	60	3	200/230	High Temp

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
99	527-0044-00	1	SPACER-MOUNTING ASSM	
99	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 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
270		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.