

CR53KQE-PFV

HCFC, R-22, 60Hz, 1- Phase, 208/230 V

UL High Temp

Production Status:



Performance

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)		
Capacity (Btu/hr)	52250	68000
Power (Watts):	4920	4230
Current (Amps):		
EER (Btu/Wh):	10.62	16.08
Mass Flow (lbs/hr):		
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak- Record Date:	4.0 Avg	5.0 Max

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	5.47
Bore Size(in):	1.96	Displ(ft ³ /hr):	665.12
Stroke(in):	0.91		
Overall Length (in):	10.62	Mounting Length (in):	7.50
Overall Width (in):	9.22	Mounting Width (in):	7.50
Overall Height (in):	14.81	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*:	140.0	MCC (Amps):	40.5	UL File No:	
LRA-Half Winding:		RPM:		UL File Date:	
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		28.9			
RLA(=MCC/1.56;use for breaker & wire size		26			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0006-13	189.0	227.0	330	HIGH TORQUE
Start Capacitor	014-0061-13	64.0	77.0	330	LOW TORQUE
Run Capacitor	014-0064-18	60.0	0.0	440	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-407C HFC	50	1	200	Air Conditioning
R-22 HCFC	50	1	200	UL High Temp
R-407C HFC	60	1	208/230	Air Conditioning

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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	914-0006-03	1	CAP START KIT	
99	914-0037-22	1	RUN CAP KIT	
99	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 240/265V FLEXIBLE
99	940-0001-59	1	RELAY-POTENTIAL KIT	

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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.