

CR47KQE-PFV

HFC, R-407C, 60Hz, 1- Phase, 208/230 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
	65 / Jasper_SubC	65 / Jasper_SubC
Capacity (Btu/hr)	4080	5500
Power (Watts):	3990	3430
Current (Amps):	19.00	16.70
EER (Btu/Wh):	10.50	16.10
Mass Flow (lbs/hr):	610	685
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak-avg)):	4.0 Avg	5.0 Max
Record Date:	2010-12-23	
<u>Jasper_RGSubCool</u>		

Mechanical

Number of Cylinders:2	Displ(in ³ /Rev):	4.95
Bore Size(in):	1.96	Displ(ft ³ /hr): 602.06
Stroke(in):	0.82	
Overall Length (in):	10.38	Mounting Length (in): 7.50
Overall Width (in):	9.09	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*:	132.0	MCC (Amps):	34.5	UL File No:	
LRA-Half Winding:		RPM:		UL File Date:	
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		24.6			
RLA(=MCC/1.56;use for breaker & wire size)		22.1			
*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	014-0064-15	45.0	0.0	440	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	50	1	200	
R-22 HCFC	60	1	208/230	
R-407C HFC	50	1	200	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	914-0037-19	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	

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"		-	-	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"		-	-	-	-	-	-

* 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.