

# CR42K6E-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)	<del>9950</del>	<del>9960</del>
Power (Watts):	3560	2900
Current (Amps):	16.70	14.50
EER (Btu/Wh):	11.10	18.50
Mass Flow (lbs/hr):	574	664
Sound Power (dBA):	76 Avg	81 Max
Vibration (mils(peak- Vibration (mils(peak- Record Date:	4.0 Avg	5.0 Max
	2010-09-01	
<u>Jasper_RGSubCool</u>		

## Mechanical

Number of Cylinders:2	Displ(in^3/Rev):	4.40
Bore Size(in):	1.96	Displ(ft^3/hr):
Stroke(in):	0.73	534.59
Overall Length (in):	10.23	Mounting Length (in):
Overall Width (in):	9.65	7.50
Overall Height (in):	14.56	Mounting Width (in):
		7.50
		Mounting Height (in):
		14.94 *
Suction Size (in):	3/4 Stub	
Discharge Size (in):	1/2 Stub	
Oil Recharge (oz):	43	
Initial Oil Charge (oz):	45	
Net Weight (lbs):	74	
Internal Free Volume (in^3):		
Horse Power:		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

## Electrical

LRA-High*:	102.0	MCC (Amps):	28.5	UL File No:	
LRA-Half Winding:		RPM:		UL File Date:	28-Dec-1984
LRA Low*:		Max Operating Current:	22.8		
RLA(=MCC/1.4;use for contactor selection):			20.4		
RLA(=MCC/1.56;use for breaker & wire size			18.3		
*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	014-0064-08	40.0	0.0	370	
Run Capacitor	014-0064-14	40.0	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	527-0044-08	1	SPACER-MOUNTING ASSM	
99	529-0060-24	1	POWER CABLE-MOLDED PLUG	
99	536-0177-00	1	FITTING-SERVICE GROUP	
99	568-2010-00	1	C SERVICE KIT ASSM	
99	914-0006-03	1	CAP START KIT	
99	914-0037-18	1	RUN CAP KIT W/CLAMP	
99	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 240/265V FLEXIBLE
99	940-0001-68	1	RELAY-POTENTIAL KIT	

**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
875	Stub	3/4"		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.