

# CR24K6E-PFJ

HCFC, R-22, 60Hz, 1- Phase, 265 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)	24500	32800
Power (Watts):	2250	1850
Current (Amps):	8.70	7.20
EER (Btu/Wh):	10.90	17.80
Mass Flow (lbs/hr):	359	423
Sound Power (dBA):	72 Avg	77 Max
Vibration (mils(peak- Record Date:	2.3 Avg	3.3 Max

## Mechanical

Number of Cylinders:2	Displ(in <sup>3</sup> /Rev):	2.70	
Bore Size(in):	1.66	Displ(ft <sup>3</sup> /hr):	328.22
Stroke(in):	0.63		
Overall Length (in):	10.23	Mounting Length (in):	7.50
Overall Width (in):	9.65	Mounting Width (in):	7.50
Overall Height (in):	13.44	Mounting Height (in):	13.81 *
Suction Size (in):		3/4 Stub	
Discharge Size (in):		1/2 Stub	
Oil Recharge (oz):		43	
Initial Oil Charge (oz):		45	
Net Weight (lbs):		63	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	58.0	MCC (Amps):	15.3	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):		10.9			
RLA(=MCC/1.56;use for breaker & wire size		9.8			
*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	014-0061-18	64.0	77.0	250	LOW TORQUE
Start Capacitor	014-0061-21	108.0	130.0	250	HIGH TORQUE
Run Capacitor	014-0064-13	35.0	0.0	440	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-407C HFC	50	1	220/240	Air Conditioning
R-407C HFC	60	1	265	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	529-0060-24	1	POWER CABLE-MOLDED PLUG	
99	536-0177-00	1	FITTING-SERVICE GROUP	
99	914-0008-78	1	CAP START KIT	
99	914-0037-17	1	RUN CAP KIT W/CLAMP	
99	918-0088-00	1	HEATER-CRANKCASE KIT	40/49W 240/265V FLEXIBLE
99	940-0001-60	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
815						-	-	-	-	-	-
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.