

CR42K6E-TFD

HCFC, R-22, 60Hz, 3- Phase, 460 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)	41700	54500
Power (Watts):	3810	3010
Current (Amps):	5.80	5.00
EER (Btu/Wh):	11.00	18.10
Mass Flow (lbs/hr):	610	700
Sound Power (dBA):	76 Avg	81 Max
Vibration (mils(peak- Vibration (mils(peak-))	4.0 Avg	5.0 Max
Record Date:	2014-03-06	

Mechanical

Number of Cylinders:2	Displ(in ³ /Rev):	4.40	
Bore Size(in):	1.96	Displ(ft ³ /hr):	534.59
Stroke(in):	0.73		
Overall Length (in):	10.23	Mounting Length (in):	7.50
Overall Width (in):	9.65	Mounting Width (in):	7.50
Overall Height (in):	14.56	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):	69		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	42.0	MCC (Amps):	8.9	UL File No:	
LRA-Half Winding:		RPM:		UL File Date:	28-Dec-1984
LRA Low*:		Max Operating Current:	7.1		
RLA(=MCC/1.4;use for contactor selection):		6.4			
RLA(=MCC/1.56;use for breaker & wire size)		5.7			
*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	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning
R-407C HFC	60	3	460	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	918-0088-01	1	HEATER-CRANKCASE KIT	40W 480V FLEXIBLE

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.