

**CR53KQE-TFD**

HCFC, R-22, 60 Hz, 3 - Phase, 380/460 V [. Also Available with Variable Frequency Drives](#)

**Air Conditioning**

**Production Status:** Available for sale to all U.S. customers. Please check with your local Copeland Representative for international availability.

Performance			Mechanical		
Evaporator Temp. (°F)	45.00	45	Displacement (in <sup>3</sup> /Rev):	5.47	
Condensing Temp. (°F)	130.00	100	Displacement (ft <sup>3</sup> /Hr):		
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	10.63	
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.22	
Capacity (BTU/hr)	53000	67500	Overall Height (in):	14.81	
Power (W):	5200	4310	Mounting Length (in):	7.50	
Current (Amps):	8	7	Mounting Width (in):	7.50	
EER(BTU/Wh):	10.2	15.6	Mounting Height (in):	15.19	
Mass Flow (lbs/hr):	780	865	Suction Size (in),Type:	7 / 8 Stub	
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub	
Sound Power (dBA):	76 Avg	81 Max	Initial Oil Charge (oz):	45	
Vibration mils(peak-peak):	4.0 Avg	5.0 Max	Oil Recharge (oz):	43	
Record Date:	2014-03-06		Oil Type:	POE	
			Net Weight (lbs):	77.0	
			Internal Free Volume (in <sup>3</sup> ):		
			Horse Power:		
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical		Capacitors				
		Type	Part No	Low MFD	High MFD	Volts User Description
LRA High* (Amps):	55.0	No data available in table				
LRA Low*(Amps):						
LRA Half Winding (Amps):						
MCC (Amps):	12.7					
Max Operating Current (Amps):	12.70					
RLA, MCC/1.4(use for contactor selection)(Amps):	9.1					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	8.1					
RPM:	3500					
Box IP :						
UL File No:						
UL File Date:						

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

**Alternate Applications**

Refrigerant	Voltage	Phase	Frequency	Application
R-22 HCFC	380/420	3	50	Air Conditioning
R-22 HCFC	380/420	3	50	High Temp
R-22 HCFC	380/460	3	60	High Temp
R-407C HFC	380/420	3	50	Air Conditioning
R-407C HFC	380/460	3	60	Air Conditioning