

**CRNQ-050E-TFD**

HFC, R-407C, 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):	6.22	
Condensing Temp. (°F)	130.00	100	Displacement (ft <sup>3</sup> /Hr):		
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	11.38	
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.38	
Capacity (BTU/hr)	57000	76500	Overall Height (in):	16.13	
Power (W):	5800	4730	Mounting Length (in):	7.50	
Current (Amps):	8.2	7.2	Mounting Width (in):	7.50	
EER(BTU/Wh):	9.8	16.1	Mounting Height (in):	16.50	
Mass Flow (lbs/hr):	830	950	Suction Size (in),Type:	7 / 8 Stub	
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub	
Sound Power (dBA):	80 Avg	85 Max	Initial Oil Charge (oz):	70	
Vibration mils(peak-peak):	5.0 Avg	6.0 Max	Oil Recharge (oz):	66	
Record Date:	2010-12-23		Oil Type:	POE	
			Net Weight (lbs):	82.0	
			Internal Free Volume (in <sup>3</sup> ):		
			Horse Power:		
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical		Capacitors				
LRA High* (Amps):	65.0	Type	Part No	Low MFD	High MFD	Volts User Description
LRA Low*(Amps):		No data available in table				
LRA Half Winding (Amps):						
MCC (Amps):	13.5					
Max Operating Current (Amps):						
RLA, MCC/1.4(use for contactor selection)(Amps):	9.6					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	8.7					
RPM:						
Box IP :						
UL File No:						
UL File Date:	1984-12-28					

\*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	380/460	3	60	Air Conditioning
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-404A HFC	380/420	3	50	High Temp
R-407C HFC	380/420	3	50	Air Conditioning