

**ZR68KCE-TFD**

HFC, R-407C, 60 Hz, 3 - Phase, 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):	5.68	
Condensing Temp. (°F)	130.00	100	Displacement (ft <sup>3</sup> /Hr):		
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	9.70	
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.70	
Capacity (BTU/hr)	68600	81900	Overall Height (in):	17.20	
Power (W):	6040	4260	Mounting Length (in):	7.50	
Current (Amps):	8.8	7.1	Mounting Width (in):	7.50	
EER(BTU/Wh):	11.35	19.2	Mounting Height (in):	18.00	
Mass Flow (lbs/hr):	991	1010	Suction Size (in),Type:	7 / 8 Stub	
Sound Data @			Discharge Size (in),Type:	1 / 2 Stub	
Sound Power (dBA):	75 Avg	80 Max	Initial Oil Charge (oz):	60	
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	56	
Record Date:	2014-08-05		Oil Type:	3MA	
			Net Weight (lbs):	86.0	
			Internal Free Volume (in <sup>3</sup> ):	362.0	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.		

Electrical		Capacitors					
LRA High* (Amps):	75	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):		No data available in table					
LRA Half Winding (Amps):							
MCC (Amps):	14						
Max Operating Current (Amps):	12.10						
RLA, MCC/1.4(use for contactor selection)(Amps):	10.0						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	9.0						
RPM:	3500						
Box IP :	21						
UL File No:	SA2337-19930726						
UL File Date:	1993-07-26						

\*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-134a HFC	380/420	3	50	Air Conditioning
R-134a HFC	460	3	60	Air Conditioning
R-22 HCFC	460	3	60	Air Conditioning
R-22 HCFC	380/420	3	50	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning