

ZR38K5E-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	50	Displacement (in^3/Rev):	3.11
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):	
Return Gas Temp. (°F)	65.00	70	Overall Length (in):	9.70
Liquid Temp. (°F)	115.00	85	Overall Width (in):	9.70
Capacity (BTU/hr)	36900	49300	Overall Height (in):	16.40
Power (W):	3450	2270	Mounting Length (in):	7.50
Current (Amps):	5.3	4	Mounting Width (in):	7.50
EER(BTU/Wh):	10.7	21.75	Mounting Height (in):	17.20
Mass Flow (lbs/hr):	537	607	Suction Size (in),Type:	7 / 8 Stub
Sound Data @ 45 / 130			Discharge Size (in),Type:	1 / 2 Stub
Sound Power (dBA):	73 Avg	78 Max	Initial Oil Charge (oz):	42
Vibration mils(peak-peak):	2.0 Avg	3.0 Max	Oil Recharge (oz):	34
Record Date:	2015-10-13		Oil Type:	3MA
			Net Weight (lbs):	60.7
			Internal Free Volume (in^3):	226.0
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors				
LRA High* (Amps):	48	Type	Part No	Low MFD	High MFD	Volts User Description
LRA Low*(Amps):		No data available in table				
LRA Half Winding (Amps):						
MCC (Amps):	9					
Max Operating Current (Amps):	7.00					
RLA, MCC/1.4(use for contactor selection)(Amps):	6.4					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	5.8					
RPM:	3500					
Box IP :	21					
UL File No:	SA2337-20031217					
UL File Date:	2003-12-17					

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