

ZR108KCE-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	35	Displacement (in^3/Rev):			8.72		
Condensing Temp. (°F)	130.00	120	Displacement (ft^3/Hr):					
Return Gas Temp. (°F)	65.00	55	Overall Length (in):			11.23		
Liquid Temp. (°F)	115.00	105	Overall Width (in):			11.07		
Capacity (BTU/hr)	106000	91200	Overall Height (in):			20.99		
Power (W):	9220	8110	Mounting Length (in):			7.50		
Current (Amps):	14	12.7	Mounting Width (in):			7.50		
EER(BTU/Wh):	11.5	11.25	Mounting Height (in):			21.74		
Mass Flow (lbs/hr):	1545	1275	Suction Size (in),Type:			1 3 / 8 Stub		
Sound Data @			Discharge Size (in),Type:			7 / 8 Stub		
Sound Power (dBA):	80 Avg	85 Max	Initial Oil Charge (oz):			114		
Vibration mils(peak-peak):	3.0 Avg	4.0 Max	Oil Recharge (oz):			106		
Record Date:	2023-05-19		Oil Type:			3MA		
			Net Weight (lbs):			132.0		
			Internal Free Volume (in^3):			809.0		
			Horse Power:			9.0		
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.					
Electrical			Capacitors					
LRA High* (Amps):		114.0	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):			No data available in table					
LRA Half Winding (Amps):								
MCC (Amps):		24.2						
Max Operating Current (Amps):		17.70						
RLA, MCC/1.4(use for contactor selection)(Amps):		17.3						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):		15.5						
RPM:		3500						
Box IP :		21						
UL File No:		SA-2337						
UL File Date:		1996-09-27						

European Pressure Equipment Directive (PED):

Fluid Group**:	FG 2
PS Low / High Side (BAR):	20.0 / 32.0
TS Min (°C):	-35 / -35
TS Max (°C):	50 / 150
Volume (L) :	12.6 / 1.5

*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	460	3	60	Air Conditioning
R-134a HFC	380/420	3	50	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