

ZR84KCE-TFD

HFC, R-134a, 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^3/Rev):			6.93		
Condensing Temp. (°F)	130.00	100	Displacement (ft^3/Hr):					
Return Gas Temp. (°F)	65.00	65	Overall Length (in):			11.10		
Liquid Temp. (°F)	115.00	85	Overall Width (in):			11.20		
Capacity (BTU/hr)	55400	67400	Overall Height (in):			18.80		
Power (W):	5150	3700	Mounting Length (in):			7.50		
Current (Amps):	9.8	8.2	Mounting Width (in):			7.50		
EER(BTU/Wh):	10.75	18.2	Mounting Height (in):			19.50		
Mass Flow (lbs/hr):	879	914	Suction Size (in),Type:			1 1 / 8 Stub		
Sound Data @			Discharge Size (in),Type:			7 / 8 Stub		
Sound Power (dBA):	82 Avg	87 Max	Initial Oil Charge (oz):			85		
Vibration mils(peak-peak):	2.5 Avg	4.0 Max	Oil Recharge (oz):			81		
Record Date:	2023-05-19		Oil Type:			3MA		
			Net Weight (lbs):			126.0		
			Internal Free Volume (in^3):			639.0		
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.					
Electrical			Capacitors					
LRA High* (Amps):		100	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):			No data available in table					
LRA Half Winding (Amps):								
MCC (Amps):		18						
Max Operating Current (Amps):		14.10						
RLA, MCC/1.4(use for contactor selection)(Amps):		12.9						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):		11.5						
RPM:		3500						
Box IP :		21						
UL File No:		SA2337-19960927						
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) :

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