

ZR84KCE-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):	6.93
Condensing Temp. (°F)	130.00	120	Displacement (ft^3/Hr):	
Return Gas Temp. (°F)	65.00	55	Overall Length (in):	11.10
Liquid Temp. (°F)	115.00	105	Overall Width (in):	11.20
Capacity (BTU/hr)	81500	70500	Overall Height (in):	18.80
Power (W):	7300	6450	Mounting Length (in):	7.50
Current (Amps):	11.6	10.6	Mounting Width (in):	7.50
EER(BTU/Wh):	11.2	10.9	Mounting Height (in):	19.50
Mass Flow (lbs/hr):	1180	985	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):	20					
Max Operating Current (Amps):	14.10					
RLA, MCC/1.4(use for contactor selection)(Amps):	14.3					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	12.8					
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	460	3	60	Air Conditioning
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	380/420	3	50	Air Conditioning