

ZR144KCE-TFD

HCFC, R-22, 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):	11.64
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):	12.50
Capacity (BTU/hr)	146000	172000	Overall Height (in):	21.00
Power (W):	12300	9050	Mounting Length (in):	7.50
Current (Amps):	18.2	14.3	Mounting Width (in):	7.50
EER(BTU/Wh):	11.8	19	Mounting Height (in):	21.70
Mass Flow (lbs/hr):	2130	2220	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):	110
Vibration mils(peak-peak):	3.0 Avg	4.5 Max	Oil Recharge (oz):	106
Record Date:	2023-05-19		Oil Type:	3MA
			Net Weight (lbs):	135.0
			Internal Free Volume (in^3):	809.0
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors				
LRA High* (Amps):	125	Type	Part No	Low MFD	High MFD	Volts User Description
LRA Low*(Amps):	No data available in table					
LRA Half Winding (Amps):						
MCC (Amps):	29					
Max Operating Current (Amps):	22.30					
RLA, MCC/1.4(use for contactor selection)(Amps):	20.7					
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	18.6					
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-407C HFC	460	3	60	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning