

ZR125KCE-TFDHFC, 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	35	Displacement (in ³ /Rev):	10.20				
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)	85000	73500	Overall Height (in):	20.99				
Power (W):	7570	6670	Mounting Length (in):	7.50				
Current (Amps):	12.35	11.45	Mounting Width (in):	7.50				
EER(BTU/Wh):	11.25	11	Mounting Height (in):	21.74				
Mass Flow (lbs/hr):	1350	1125	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	4.0 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				
			Horse Power:	10.0				
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.					
Electrical			Capacitors					
LRA High* (Amps):	125.0		Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):			No data available in table					
LRA Half Winding (Amps):								
MCC (Amps):	28							
Max Operating Current (Amps):	19.60							
RLA, MCC/1.4(use for contactor selection)(Amps):	20.0							
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	17.9							
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) :	1.5 / 12.6

*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	460	3	60	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