

**ZR125KCE-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 <sup>3</sup> /Rev):	10.20				
Condensing Temp. (°F)	130.00	120	Displacement (ft <sup>3</sup> /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)	125000	108000	Overall Height (in):	20.99				
Power (W):	10850	9590	Mounting Length (in):	7.50				
Current (Amps):	16.3	14.75	Mounting Width (in):	7.50				
EER(BTU/Wh):	11.5	11.3	Mounting Height (in):	21.74				
Mass Flow (lbs/hr):	1820	1510	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 <sup>3</sup> ):	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):	26.9							
Max Operating Current (Amps):	19.60							
RLA, MCC/1.4(use for contactor selection)(Amps):	19.2							
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	17.2							
RPM:	3500							
Box IP :	21							
UL File No:	SA-2337							
UL File Date:	1996-09-27							

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**European Pressure Equipment Directive (PED):**

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