

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 Emerson Climate Technologies 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):				10.38	
Liquid Temp. (°F)	115.00	105	Overall Width (in):				11.23	
Capacity (BTU/hr)	125000	108000	Overall Height (in):				21.00	
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):				21.75	
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:	2017-03-22		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):		26.9						
Max Operating Current (Amps):		19.6						
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 :		66						
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
TS Max (°C):	50
Volume (L) :	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		3	60	Air Conditioning
R-22 HCFC		3	50	Air Conditioning
R-407C HFC	380/420	3	50	Air Conditioning