

# ZRD125KCE-TFD

HFC, R-407C, 60Hz, 3- Phase, 460 V

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

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	122000	148000
Power (Watts):	10900	7300
Current (Amps):	15.80	12.20
EER (Btu/Wh):	11.10	20.20
Mass Flow (lbs/hr):	1770	1840
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-peak)):	3.0 Avg	4.5 Max
Record Date:	2014-09-09	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	10.11
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1228.16
Stroke(in):	0.00		
Overall Length (in):	11.55	Mounting Length (in):	7.50
Overall Width (in):	11.23	Mounting Width (in):	7.50
Overall Height (in):	21.00	Mounting Height (in):	21.25 *
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	106		
Initial Oil Charge (oz):	110		
Net Weight (lbs):	136		
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	125.0	MCC (Amps):	26.9	UL File No:
LRA-Half Winding:		RPM:	3500	UL File Date:
LRA Low*:		Max Operating Current:	19.6	
RLA(=MCC/1.4;use for contactor selection):			19.2	
RLA(=MCC/1.56;use for breaker & wire size selection):			17.2	
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.				

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	A/C, 50% Load Of Compressor
R-22 HCFC	50	3	380/420	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning
R-407C HFC	50	3	380/420	A/C, 50% Load Of Compressor
R-22 HCFC	50	3	380/420	Air Conditioning
R-22 HCFC	60	3	460	A/C, 50% Load Of Compressor
R-22 HCFC	50	3	380/420	A/C, 50% Load Of Compressor