

# ZR160KCE-TFD

HFC, R-407C, 50Hz, 3- Phase, 380/420 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)	<u>45 / 130</u>	<u>35 / 120</u>
RG(°F)/SubCool(°F)	<u>65 / 15</u>	<u>55 / 15</u>
Capacity (Btu/hr)	128000	109000
Power (Watts):	11450	10050
Current (Amps):	20.45	18.70
EER (Btu/Wh):	11.20	10.80
Mass Flow (lbs/hr):	1860	1525
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak-)	3.0 Avg	4.5 Max
Record Date:	2007-12-06	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	12.76
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1284.86
Stroke(in):	0.00		
Overall Length (in):	10.38	Mounting Length (in):	7.50
Overall Width (in):	11.23	Mounting Width (in):	7.50
Overall Height (in):	21.72	Mounting Height (in):	23.03 *
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):	143		
Internal Free Volume (in <sup>3</sup> ):	856.0		
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	140.0	MCC (Amps):	35.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:	133.0	Max Operating Current:	28.0		
RLA(=MCC/1.4;use for contactor selection):			25		
RLA(=MCC/1.56;use for breaker & wire size)			22.4		
*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-134a HFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning