

# ZR144KCE-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

<u>Evap(°F)/Cond(°F)</u>	<u>45 / 130</u>	<u>45 / 100</u>
<u>RG(°F)/SubCool(°F)</u>	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	118000	142500
Power (Watts):	10150	6950
Current (Amps):	17.65	13.45
EER (Btu/Wh):	11.60	20.40
Mass Flow (lbs/hr):	1715	1770
Sound Power (dBA):	75 Avg	80 Max
Vibration (mils(peak- Record Date: 2007-12-06	3.0 Avg	4.5 Max

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	11.65
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1172.58
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):	21.00	Mounting Height (in):	21.75 *
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):		135	
Internal Free Volume (in <sup>3</sup> ):		809.0	
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	118.0	MCC (Amps):	31.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	27-Sep-1996
LRA Low*:	110.0	Max Operating Current:	22.3		
RLA(=MCC/1.4;use for contactor selection):			22.1		
RLA(=MCC/1.56;use for breaker & wire size			19.9		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
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