

# ZR144KCE-TFD

HFC, R-407C, Dew Point, 50 Hz, 3 - Phase, 380/420 V  
Air Conditioning

## Performance

<u>Evap(°F)/Cond(°F)</u>	<u>45/130</u>	<u>45/100</u>
<u>RG(°F)/Liq(°F)</u>	<u>65/115</u>	<u>65/85</u>
Capacity (Btu/hr):	118000	142500
Power (Watts):	10150	6950
Current (Amps):	17.6	13.4
EER (Btu/Wh):	11.6	20.4
Mass Flow (lbs/hr):	1715.0	1770.0
Sound Power(dBA):	75 Ave	80 Max
Vibration (mils(peak-peak)):	3.0 Ave	425.0 Max
Record Date:	2007-12-06	

## Mechanical

Number of Cylinders:	0	Displ (in <sup>3</sup> /Rev):	11.645
Bore Size (in):	0.0	Displ (ft <sup>3</sup> /hr):	1172.581
Stroke (in):	0.0		
Overall Length (in):	10.38	Mounting Length (in):	7.5
Overall Width (in):	11.23	Mounting Width(in):	7.5
Overall Height (in):	21.0	Mounting Height (in):	21.75*
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Initial Oil Charge (oz):	110		
Oil Recharge (oz):	106		
Net Weight (lbs):	135.0		
Internal Free Volume (in <sup>3</sup> ):	809.0		
HorsePower			
* 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:	2900	UL File Date:	27-Sep-1996
LRA-Low*:	110.0	Max Operating Current:	22.3	CSA File No.:	LR3104C
RLA(=MCC/1.4; use for contactor selection):	22.1				
RLA (=MCC/1.56; use for breaker & wire size selection):	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>Frequency(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