

# ZR144KCE-TFD



HFC, R-407C, Dew Point, 50 Hz, 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)	45/130	45/100
RG(°F)/Liq(°F)	65/115	65/85
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

Refrigerant	Frequency(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