

# ZR144KC-TFD

HCFC, R-22, 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)	146000	172000
Power (Watts):	12300	9050
Current (Amps):	18.20	14.30
EER (Btu/Wh):	11.80	19.00
Mass Flow (lbs/hr):	2130	2220
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-peak)):	3.0 Avg	4.5 Max
Record Date:	2005-09-09	

## Mechanical

Number of Cylinders:	0	Displ(in <sup>3</sup> /Rev):	11.65
Bore Size(in):	0.00	Displ(ft <sup>3</sup> /hr):	1415.19
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*:	125.0	MCC (Amps):	29.0	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	27-Sep-1996
LRA Low*:		Max Operating Current:	22.3		
RLA(=MCC/1.4;use for contactor selection):	20.7				
RLA(=MCC/1.56;use for breaker & wire size selection):	18.6				
*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	50	3	380/420	Air Conditioning