

# ZR81KC-TFD



HCFC, R-22, Mid 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):	68000	79500
Power (Watts):	5810	4140
Current (Amps):	10.5	8.8
EER (Btu/Wh):	11.7	19.2
Mass Flow (lbs/hr):	995.0	1020.0
Sound Power(dBA):	72 Ave	77 Max
Vibration (mils(peak-peak)):	2.0 Ave	3.0 Max
Record Date:	2002-11-15	

## Mechanical

Number of Cylinders:	0	Displ (in <sup>3</sup> /Rev):	6.577
Bore Size (in):	0.0	Displ (ft <sup>3</sup> /hr):	662.2644
Stroke (in):	0.0		
Overall Length (in):	9.48	Mounting Length (in):	7.5
Overall Width (in):	9.71	Mounting Width(in):	7.5
Overall Height (in):	17.955	Mounting Height (in):	18.205*
Suction Size (in):	7/8 Stub		
Discharge Size (in):	3/4 Stub		
Initial Oil Charge (oz):	60		
Oil Recharge (oz):	56		
Net Weight (lbs):	86.0		
Internal Free Volume (in <sup>3</sup> ):	258.0		
HorsePower			
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	101.0	MCC (Amps):	17.0	UL File No.:	SA-2337
LRA-Half Winding:		RPM:	2900	UL File Date:	26-Jul-1993
LRA-Low*:	90.5	Max Operating Current:	15.0	CSA File No.:	LR3104C
RLA(=MCC/1.4; use for contactor selection):	12.1				
RLA (=MCC/1.56; use for breaker & wire size selection):	10.9				
*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-22 HCFC	60	3	460	Air Conditioning