

# ZR57KC-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):	47500	56000
Power (Watts):	4170	2950
Current (Amps):	7.8	6
EER (Btu/Wh):	11.4	19.0
Mass Flow (lbs/hr):	695.0	720.0
Sound Power(dBA):	71 Ave	76 Max
Vibration (mils(peak-peak)):	2.0 Ave	3.0 Max
Record Date:	2002-03-07	

## Mechanical

Number of Cylinders:	0	Displ (in <sup>3</sup> /Rev):	4.71
Bore Size (in):	0.0	Displ (ft <sup>3</sup> /hr):	474.2687
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):	17.75	Mounting Height (in):	18.0*
Suction Size (in):	7/8 Stub		
Discharge Size (in):	1/2 Stub		
Initial Oil Charge (oz):	66		
Oil Recharge (oz):	62		
Net Weight (lbs):	80.0		
Internal Free Volume (in <sup>3</sup> ):	275.0		
HorsePower	4.75		
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	61.8	MCC (Amps):	11.6	UL File No.:	SA-2337
LRA-Half Winding:		RPM:	2900	UL File Date:	26-Jul-1993
LRA-Low*:	55.5	Max Operating Current:	11.0	CSA File No.:	LR3104C
RLA(=MCC/1.4; use for contactor selection):	8.3				
RLA (=MCC/1.56; use for breaker & wire size selection):	7.4				
*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	380/460	Air Conditioning