

# ZR16M3-TWD



HCFC, R-22, Mid Point, 50 Hz, 3 - Phase, 380/420 V

Air Conditioning

Production Status: Service Replacement Model

## Performance

Evap(°F)/Cond(°F)	45/130	45/100
RG(°F)/Liq(°F)	65/115	65/85
Capacity (Btu/hr):	128000	150000
Power (Watts):	11200	8100
Current (Amps):	19.1	15.3
EER (Btu/Wh):	11.4	18.5
Mass Flow (lbs/hr):	1870.0	1930.0
Sound Power(dBA):	80 Ave	85 Max
Vibration (mils(peak-peak)):	2.5 Ave	3.5 Max
Record Date:	2007-12-04	

## Mechanical

Number of Cylinders:	0	Displ (in <sup>3</sup> /Rev):	12.469
Bore Size (in):	0.0	Displ (ft <sup>3</sup> /hr):	1255.553
Stroke (in):	0.0		
Overall Length (in):	12.57	Mounting Length (in):	8.65
Overall Width (in):	14.06	Mounting Width(in):	8.65
Overall Height (in):	21.47	Mounting Height (in):	21.7*
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Initial Oil Charge (oz):	140		
Oil Recharge (oz):	137		
Net Weight (lbs):	227.0		
Internal Free Volume (in <sup>3</sup> ):	1059.0		
HorsePower	13.0		
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	167	MCC (Amps):	34	UL File No.:	SA9747
LRA-Half Winding:		RPM:	2900	UL File Date:	12-Jul-1994
LRA-Low*:	151	Max Operating Current:	25.6	CSA File No.:	LR101508
RLA(=MCC/1.4; use for contactor selection):	24.3				
RLA (=MCC/1.56; use for breaker & wire size selection):	21.8				
*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