

# ZR19M3-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):	157000	183000
Power (Watts):	13600	9550
Current (Amps):	23.6	18.6
EER (Btu/Wh):	11.5	19.1
Mass Flow (lbs/hr):	2300.0	2350.0
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):	14.996
Bore Size (in):	0.0	Displ (ft <sup>3</sup> /hr):	1510.007
Stroke (in):	0.0		
Overall Length (in):	12.63	Mounting Length (in):	8.65
Overall Width (in):	13.75	Mounting Width(in):	8.65
Overall Height (in):	23.3	Mounting Height (in):	23.47*
Suction Size (in):	2 1/4 Rotalock		
Discharge Size (in):	1 3/4 Rotalock		
Initial Oil Charge (oz):	140		
Oil Recharge (oz):	137		
Net Weight (lbs):	262.0		
Internal Free Volume (in <sup>3</sup> ):	1120.0		
HorsePower	15.0		
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	198	MCC (Amps):	37.0	UL File No.:	SA9747
LRA-Half Winding:		RPM:	2900	UL File Date:	12-Jul-1994
LRA-Low*:	179	Max Operating Current:	30.0	CSA File No.:	LR101508
RLA(=MCC/1.4; use for contactor selection):	26.4				
RLA (=MCC/1.56; use for breaker & wire size selection):	23.7				
*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