

ZR12M3-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):	104000	123000
Power (Watts):	9100	6400
Current (Amps):	16.4	13.4
EER (Btu/Wh):	11.4	19.1
Mass Flow (lbs/hr):	1520.0	1580.0
Sound Power(dBA):	78 Ave	83 Max
Vibration (mils(peak-peak)):	2.5 Ave	3.5 Max
Record Date:	2007-12-04	

Mechanical

Number of Cylinders:	0	Displ (in ³ /Rev):	10.095
Bore Size (in):	0.0	Displ (ft ³ /hr):	1016.505
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):	21.17	Mounting Height (in):	21.4*
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):	221.0		
Internal Free Volume (in ³):	1037.0		
HorsePower	10.0		
* Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	127	MCC (Amps):	25.7	UL File No.:	SA9747
LRA-Half Winding:		RPM:	2900	UL File Date:	12-Jul-1994
LRA-Low*:		Max Operating Current:	21.0	CSA File No.:	LR101508
RLA(=MCC/1.4; use for contactor selection):	18.4				
RLA (=MCC/1.56; use for breaker & wire size selection):	16.5				
*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