

ZR12M3E-TWD

HFC, R-407C, 50Hz, 3- Phase, 380/420 V

Air Conditioning



Production Status: This compressor and/or application of this compressor is not available to U.S. OEM customers. A field replacement is currently available through a U.S. Emerson Climate Technologies Wholesaler. Please check with your local Emerson Climate Technologies Representative for international availability.

Performance

<u>Evap(°F)/Cond(°F)</u>	<u>45 / 130</u>	<u>45 / 100</u>
<u>RG(°F)/SubCool(°F)</u>	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	101000	121000
Power (Watts):	9050	6050
Current (Amps):	16.35	12.90
EER (Btu/Wh):	11.10	20.00
Mass Flow (lbs/hr):	1470	1500
Sound Power (dBA):	78 Avg	83 Max
Vibration (mils(peak- Vibration (mils(peak-	2.5 Avg	3.5 Max
Record Date:	2007-12-04	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	10.10
Bore Size(in):	0.00	Displ(ft ³ /hr):	1016.51
Stroke(in):	0.00		
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):	21.40 *
Suction Size (in):	1 3/8 Stub		
Discharge Size (in):	7/8 Stub		
Oil Recharge (oz):	137		
Initial Oil Charge (oz):	140		
Net Weight (lbs):	221		
Internal Free Volume (in ³):	1037.0		
Horse Power:	10		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	127	MCC (Amps):	31.0	UL File No:	SA-9747
LRA-Half Winding:		RPM:		UL File Date:	12-Jul-1994
LRA Low*:		Max Operating Current:	22.0		
RLA(=MCC/1.4;use for contactor selection):			22.1		
RLA(=MCC/1.56;use for breaker & wire size)			19.9		
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-134a HFC	60	3	460	Air Conditioning
R-22 HCFC	60	3	460	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning