

# ZR12M3E-TWD

HCFC, R-22, 60 Hz, 3- Phase, 460 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

Evap(°F)/Cond(°F)	45 / 130	45 / 100
RG(°F)/Liq(°F)	65.0 / 115.0	65.0 / 85.0
Capacity (Btu/hr)	125000	148000
Power (W):	11000	7750
Current (Amps):	16.45	13.35
EER (Btu/Wh):	11.40	19.10
Mass Flow (lbs/hr):	1840	1910
Sound Power (dBA):	81 Avg	86 Max
Vibration mils(peak-)	2.5 Avg	3.5 Max
Record Date:	2007-12-04	

## Mechanical

Number of Cylinders:	0	Displacment(in <sup>3</sup> /Rev):	10.10
Bore Size(in):	0.00	Displacment(ft <sup>3</sup> /hr):	1226.83
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),Type:	1 3/8 Stub		
Discharge Size (in),Type:	7/8 Stub		
Oil Recharge (oz):	137		
Initial Oil Charge (oz):	140		
Net Weight (lbs):	221		
Internal Free Volume (in <sup>3</sup> ):	1037.0		
Horse Power:	10		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*(Amp):	127	MCC (Amps):	25.7	UL File No:	SA-9747
LRA-Half Winding		RPM:	3500	UL File Date:	12-Jul-1994
LRA Low* (Amp):		Max Operating Current	22.0		
RLA, MCC/1.4;use for contactor selection (Amp):	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	Freq (Hz)	Phase	Voltage	Application
R-134a HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning
R-22 HCFC	50	3	380/420	Air Conditioning
R-407C HFC	60	3	460	Air Conditioning
R-407C HFC	50	3	380/420	Air Conditioning