

# ZR16M3E-TWC

HCFC, R-22, 60 Hz, 3 -Phase, 208/230 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

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	154000	181000
Power (W):	13500	9950
Current (Amps):	38.40	30.40
EER (Btu/Wh):	11.40	18.20
Mass Flow (lbs/hr):	2260	2340
<u>Sound Data @</u>		
Sound Power (dBA):	83 Avg	88 Max
Vibration mils(peak-peak):	2.5 Avg	3.5 Max
Record Date:	2007-12-04	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	12.47
Displacement(ft <sup>3</sup> /hr):	1515.33
Overall Length (in):	12.57
Overall Width (in):	14.06
Overall Height (in):	21.47
Mounting Length (in):	8.65
Mounting Width (in):	8.65
Mounting Height (in):	21.70 *
Suction Size (in),Type:	1 3/8 Stub
Discharge Size (in),Type:	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
Horse Power:	13.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

## Electrical

LRA-High*(Amp):	350.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	68.5
Max Operating Current(Amp):	57.0
RLA, MCC/1.4;use for contactor selection (Amp):	48.9
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	43.9
RPM:	3500
UL File No:	SA-9747
UL File Date:	1994-07-12
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.	

## Capacitors

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-134a HFC	208/230	3	60	Air Conditioning
R-134a HFC	200	3	50	Air Conditioning
R-22 HCFC	200	3	50	Air Conditioning
R-407C HFC	208/230	3	60	Air Conditioning
R-407C HFC	200	3	50	Air Conditioning