

ZR19M3E-TWD

HFC, R-134a, 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

Evaporator Temp. (°F)	45	45
Condensing Temp. (°F)	130	100
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	115	85
Capacity (Btu/hr)	126000	151000
Power (W):	12200	8900
Current (Amps):	17.85	14.80
EER (Btu/Wh):	10.30	16.90
Mass Flow (lbs/hr):	2000	2040
<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	

Electrical

LRA-High*(Amp):	187.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	45.0
Max Operating Current(Amp):	32.0
RLA, MCC/1.4;use for contactor selection (Amp):	32.1
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	28.8
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.	

Mechanical

Displacment(in ³ /Rev):	15.00
Displacment(ft ³ /hr):	1822.43
Overall Length (in):	12.63
Overall Width (in):	13.75
Overall Height (in):	23.30
Mounting Length (in):	8.65
Mounting Width (in):	8.65
Mounting Height (in):	23.47 *
Suction Size (in),Type:	2 1/4 Rotalo
Discharge Size (in),Type:	1 3/4 Rotalo
Initial Oil Charge (oz):	140
Oil Recharge (oz):	137
Net Weight (lbs):	236.0
Internal Free Volume (in ³):	1120.0
Horse Power:	15.00
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Capacitors

Alternate Applications

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