

ZR19M3E-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

Evap(°F)/Cond(°F)	<u>45 / 130</u>	<u>45 / 100</u>
RG(°F)/SubCool(°F)	<u>65 / 15</u>	<u>65 / 15</u>
Capacity (Btu/hr)	159500	199500
Power (Watts):	14750	10550
Current (Amps):	24.55	18.75
EER (Btu/Wh):	10.80	18.90
Mass Flow (lbs/hr):	2320	2470
Sound Power (dBA):	80 Avg	85 Max
Vibration (mils(peak-))	2.5 Avg	3.5 Max
Record Date:	2010-12-23	

Mechanical

Number of Cylinders:	0	Displ(in ³ /Rev):	15.00
Bore Size(in):	0.00	Displ(ft ³ /hr):	1510.01
Stroke(in):	0.00		
Overall Length (in):	12.63	Mounting Length (in):	8.65
Overall Width (in):	13.75	Mounting Width (in):	8.65
Overall Height (in):	23.30	Mounting Height (in):	23.47 *
Suction Size (in):	2 1/4 Rotalock		
Discharge Size (in):	1 3/4 Rotalock		
Oil Recharge (oz):	137		
Initial Oil Charge (oz):	140		
Net Weight (lbs):	236		
Internal Free Volume (in ³):	1120.0		
Horse Power:	15		
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	198	MCC (Amps):	45.0	UL File No:	SA-9747
LRA-Half Winding:		RPM:		UL File Date:	12-Jul-1994
LRA Low*:	179	Max Operating Current:	32.0		
RLA(=MCC/1.4;use for contactor selection):			32.1		
RLA(=MCC/1.56;use for breaker & wire size)			28.8		
*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-407C HFC	60	3	460	Air Conditioning
R-134a HFC	50	3	380/420	Air Conditioning