ZR12M3-TWC

HCFC, R-22, 60Hz, 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

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 (Watts):	11000	7750
Current (Amps):	32.90	26.70
EER (Btu/Wh):	11.40	19.10
Mass Flow (lbs/hr):	1840	1910
Sound Power (dBA):	81 Avg	86 Max
Vibration (mils(peak-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):	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):	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*:	278	MCC (Amps):	52.4	UL File No:	SA-9747
LRA-Half Winding:		RPM:	3500	UL File Date:	12-Jul-1994
LRA Low*:		Max Operating Current:	39.4		

RLA(=MCC/1.4;use for contactor selection): 37.4
RLA(=MCC/1.56;use for breaker & wire size selection): 33.6

*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-22 HCFC	50	3	200	Air Conditioning

Copyright © 2010 Emerson Climate Technologies, Inc. All rights reserved.