

MRF2-050A-TFC

CFC, R-12, 60 Hz, 3 -Phase, 208/230 V
High Temp



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	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	48900	30100
Power (W):	5650	4390
Current (Amps):	17.20	12.90
EER (Btu/Wh):	8.70	6.90
Mass Flow (lbs/hr):	1050	600
Sound Data @		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2006-10-16	

Mechanical

Displacement(in ³ /Rev):	17.80
Displacement(ft ³ /hr):	1081.51
Overall Length (in):	22.44
Overall Width (in):	13.00
Overall Height (in):	16.94
Mounting Length (in):	11.63
Mounting Width (in):	11.00
Mounting Height (in):	18.00 *
Suction Size (in),Type:	1 3/8 Sweat
Discharge Size (in),Type:	7/8 Sweat
Initial Oil Charge (oz):	80
Oil Recharge (oz):	70
Net Weight (lbs):	236.0
Internal Free Volume (in ³):	
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical

LRA-High*(Amp):	115.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	28.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	20.0
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	17.9
RPM:	
UL File No:	
UL File Date:	1972-04-26
*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-12 CFC	200/220	3	50	UL High Temp
R-12 CFC	200/220	3	50	UL Medium Temp
R-502 CFC	208/230	3	60	UL Medium Temp