

# MRB1-050A-TFC

CFC, R-502, 60Hz, 3- Phase, 208/230 V

Low Temperature



**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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	21400	12900
Power (Watts):	4490	3320
Current (Amps):	15.00	12.30
EER (Btu/Wh):	4.80	3.90
Mass Flow (lbs/hr):	421	253
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2007-01-22	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	19.62
Bore Size(in):	2.62	Displ(ft <sup>3</sup> /hr):	1192.37
Stroke(in):	1.81		
Overall Length (in):	22.44	Mounting Length (in):	11.63
Overall Width (in):	13.00	Mounting Width (in):	11.00
Overall Height (in):	16.94	Mounting Height (in):	18.00 *
Suction Size (in):	1 3/8 Sweat		
Discharge Size (in):	7/8 Sweat		
Oil Recharge (oz):	70		
Initial Oil Charge (oz):	80		
Net Weight (lbs):	261		
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	115.0	MCC (Amps):	29.7	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	26-Apr-1972
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			21.2		
RLA(=MCC/1.56;use for breaker & wire size selection):			19		
*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-12 CFC	50	3	200/220	Medium Temperature
R-502 CFC	50	3	200/220	Low Temperature
R-12 CFC	60	3	208/230	Medium Temperature