

# MRH4-076A-TFD

CFC, R-502, 60Hz, 3- Phase, 460 V

Medium 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)	20 / 120	0 / 110
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 110.0
Capacity (Btu/hr)	53000	35800
Power (Watts):	7600	5800
Current (Amps):	12.30	9.90
EER (Btu/Wh):	7.00	6.20
Mass Flow (lbs/hr):	1190	740
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):	18.71
Bore Size(in):	2.56	Displ(ft <sup>3</sup> /hr):	1136.71
Stroke(in):	1.81		
Overall Length (in):	23.38	Mounting Length (in):	11.63
Overall Width (in):	13.00	Mounting Width (in):	11.00
Overall Height (in):	17.25	Mounting Height (in):	18.28 *
Suction Size (in):	1 3/8 Sweat		
Discharge Size (in):	1 1/8 Sweat		
Oil Recharge (oz):	70		
Initial Oil Charge (oz):	80		
Net Weight (lbs):	281		
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	82.0	MCC (Amps):	18.9	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):			13.5		
RLA(=MCC/1.56;use for breaker & wire size selection):			12.1		
*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	60	3	460	High Temp
R-22 HCFC	60	3	460	
R-22 HCFC	50	3	380/400	High Temp
R-22 HCFC	50	3	380/400	
R-502 CFC	50	3	380/400	Medium Temperature