

# NRA2-050A-TFD

HCFC, R-22, 60Hz, 3- Phase, 460 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

Evap(°F)/Cond(°F)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65.0 / 130.0	65.0 / 120.0
Capacity (Btu/hr)	57500	35100
Power (Watts):	6900	5300
Current (Amps):	9.70	7.90
EER (Btu/Wh):	8.30	6.60
Mass Flow (lbs/hr):	910	515
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2007-01-04	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	13.43
Bore Size(in):	2.44	Displ(ft <sup>3</sup> /hr):	815.79
Stroke(in):	1.44		
Overall Length (in):	20.19	Mounting Length (in):	11.63
Overall Width (in):	13.00	Mounting Width (in):	11.00
Overall Height (in):	15.34	Mounting Height (in):	16.38 *
Suction Size (in):	1 1/8 Sweat		
Discharge Size (in):	5/8 Flare		
Oil Recharge (oz):	65		
Initial Oil Charge (oz):	70		
Net Weight (lbs):	242		
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	62.5	MCC (Amps):	13.5	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):			9.6		
RLA(=MCC/1.56;use for breaker & wire size selection):			8.7		
*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	
R-502 CFC	60	3	460	UL Medium Temp
R-22 HCFC	50	3	380/400	High Temp
R-22 HCFC	50	3	380/400	UL Medium Temp
R-502 CFC	50	3	380/400	UL Medium Temp