

## NRD1-031A-TFC

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

Evaporator Temp. (°F)	20	0
Condensing Temp. (°F)	120	110
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	120	110
Capacity (Btu/hr)	23600	15500
Power (W):	3320	2550
Current (Amps):	9.90	8.00
EER (Btu/Wh):	7.10	6.10
Mass Flow (lbs/hr):	470	291
<u>Sound Data @</u>		
Sound Power (dBA):	0 Avg	0 Max
Vibration mils(peak-peak):	0.0 Avg	0.0 Max
Record Date:	2006-10-16	

### Electrical

LRA-High*(Amp):	82.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	18.0
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	12.9
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	11.5
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.	

### Mechanical

Displacment(in <sup>3</sup> /Rev):	13.43
Displacment(ft <sup>3</sup> /hr):	815.79
Overall Length (in):	21.06
Overall Width (in):	13.00
Overall Height (in):	15.19
Mounting Length (in):	11.63
Mounting Width (in):	11.00
Mounting Height (in):	16.22 *
Suction Size (in),Type:	1 1/8 Sweat
Discharge Size (in),Type:	5/8 Flare
Initial Oil Charge (oz):	70
Oil Recharge (oz):	65
Net Weight (lbs):	257.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	
*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

### Capacitors

### Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-12 CFC	200/220	3	50	UL Medium Temp
R-12 CFC	200/220	3	50	Low Temperature
R-12 CFC	208/230	3	60	Low Temperature
R-502 CFC	208/230	3	60	UL Low Temp