

**NRD1-031A-TFC**

CFC, R-12, 60 Hz, 3 - Phase, 208/230 V [. Also Available with Variable Frequency Drives](#)

**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 Copeland Representative for international availability.

Performance			Mechanical	
Evaporator Temp. (°F)	20.00	0	Displacement (in <sup>3</sup> /Rev):	13.43
Condensing Temp. (°F)	120.00	110	Displacement (ft <sup>3</sup> /Hr):	
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	21.06
Liquid Temp. (°F)	120.00	110	Overall Width (in):	13.00
Capacity (BTU/hr)	23600	15500	Overall Height (in):	15.19
Power (W):	3320	2550	Mounting Length (in):	11.63
Current (Amps):	9.9	8	Mounting Width (in):	11.00
EER(BTU/Wh):	7.1	6.1	Mounting Height (in):	16.22
Mass Flow (lbs/hr):	470	291	Suction Size (in),Type:	1 1 / 8 Sweat
Sound Data @			Discharge Size (in),Type:	5 / 8
Sound Power (dBA):	0 Avg	0 Max	Initial Oil Charge (oz):	70
Vibration mils(peak-peak):	0.0 Avg	0.0 Max	Oil Recharge (oz):	65
Record Date:	2006-10-16		Oil Type:	ABO
			Net Weight (lbs):	213.0
			Internal Free Volume (in <sup>3</sup> ):	
			Horse Power:	
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.	

Electrical		Capacitors					
LRA High* (Amps):	82.0	Type	Part No	Low MFD	High MFD	Volts	User Description
LRA Low*(Amps):		No data available in table					
LRA Half Winding (Amps):							
MCC (Amps):	18						
Max Operating Current (Amps):							
RLA, MCC/1.4(use for contactor selection)(Amps):	12.9						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):	11.5						
RPM:							
Box IP :							
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.

## Alternate Applications

Refrigerant

Voltage

Phase

Frequency

Application