

# 3RK1-031A-TAC

CFC, R-12, 60Hz, 3- Phase, 208/230 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)	29500	18800
Power (Watts):	3410	2630
Current (Amps):	11.10	8.60
EER (Btu/Wh):	8.60	7.10
Mass Flow (lbs/hr):	635	375
Sound Power (dBA):		
Vibration (mils(peak-peak)):		
Record Date:	2006-09-18	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	11.56
Bore Size(in):	2.31	Displ(ft <sup>3</sup> /hr):	702.11
Stroke(in):	1.38		
Overall Length (in):	18.00	Mounting Length (in):	11.63
Overall Width (in):	13.00	Mounting Width (in):	11.00
Overall Height (in):	12.78	Mounting Height (in):	13.81 *
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):		178	
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):	16.5	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	10-Sep-1984
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		11.8			
RLA(=MCC/1.56;use for breaker & wire size selection):		10.6			
*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	High Temp
R-12 CFC	50	3	200/220	UL Medium Temp
R-12 CFC	60	3	208/230	