

# 3AB1-031A-TAD

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

Low 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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	8630	5240
Power (Watts):	1960	1510
Current (Amps):	3.60	3.20
EER (Btu/Wh):	4.40	3.50
Mass Flow (lbs/hr):	170	103
Sound Power (dBA):		
Vibration (mils(peak-peak)):		
Record Date:	2007-01-09	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	8.64
Bore Size(in):	2.00	Displ(ft <sup>3</sup> /hr):	524.95
Stroke(in):	1.38		
Overall Length (in):	18.63	Mounting Length (in):	11.63
Overall Width (in):	13.00	Mounting Width (in):	11.00
Overall Height (in):	12.69	Mounting Height (in):	13.72 *
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*:	41.0	MCC (Amps):	7.1	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):		5.1			
RLA(=MCC/1.56;use for breaker & wire size selection):		4.6			
*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-502 CFC	50	3	380/400	Low Temperature