

3RA2-031A-CAB

CFC, R-502, 60 Hz, 1 - Phase, 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			Mechanical					
Evaporator Temp. (°F)	20.00	0	Displacement (in ³ /Rev):	10.34				
Condensing Temp. (°F)	120.00	110	Displacement (ft ³ /Hr):					
Return Gas Temp. (°F)	65.00	65	Overall Length (in):	18.00				
Liquid Temp. (°F)	120.00	110	Overall Width (in):	13.00				
Capacity (BTU/hr)	33300	22500	Overall Height (in):	12.78				
Power (W):	4780	3640	Mounting Length (in):	11.63				
Current (Amps):	8.7	7	Mounting Width (in):	11.00				
EER(BTU/Wh):	7	6.2	Mounting Height (in):	13.81				
Mass Flow (lbs/hr):	750	463	Suction Size (in),Type:	1 1 / 8 Sweat				
Sound Data @			Discharge Size (in),Type:	5 / 8 Flare				
Sound Power (dBA):	Avg	Max	Initial Oil Charge (oz):	70				
Vibration mils(peak-peak):			Oil Recharge (oz):	65				
Record Date:	2007-01-09		Oil Type:	ABO				
			Net Weight (lbs):	178.0				
			Internal Free Volume (in ³):					
			Horse Power:					
			*Overall compressor height on Copeland Brand Product's specified mounting grommets.					
Electrical			Capacitors					
LRA High* (Amps):		86.0	Type	Part No	Low MFD	High MFD	Volt s	User Description
LRA Low*(Amps):			Run Capacitor	014-0064-14	40.0	0.0	440	COPE COMP
LRA Half Winding (Amps):			Start Capacitor	014-0061-30	130.0	156.0	330	COPE COMP
MCC (Amps):		24.9						
Max Operating Current (Amps):								
RLA, MCC/1.4(use for contactor selection)(Amps):		17.8						
RLA, MCC/1.56(use for breaker & wire size selection)(Amps):		16.0						
RPM:								
Box IP :								
UL File No:		SA-2337						
UL File Date:		1984-09-10						
*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
R-22 HCFC	230	1	60	Medium Temperature