

# KAKB-021E-CAV

HFC, R-404A, 60Hz, 1- Phase, 208/230 V

Medium Temperature



**Production Status:** Available for sale to all U.S. customers. Please check with your local Emerson Climate Technologies Representative for international availability.

## Performance

Evap(°F)/Cond(°F)	20 / 120	0 / 110
RG(°F)/Liq(°F)	65.0 / 120.0	65.0 / 110.0
Capacity (Btu/hr)	12400	8860
Power (Watts):	2190	1870
Current (Amps):	9.80	8.40
EER (Btu/Wh):	5.70	4.70
Mass Flow (lbs/hr):	262	168
Sound Power (dBA):		
Vibration (mils(peak-peak)):		4.76 Max
Record Date:	2001-08-07	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	4.20
Bore Size(in):	1.69	Displ(ft <sup>3</sup> /hr):	255.09
Stroke(in):	0.94		
Overall Length (in):	14.38	Mounting Length (in):	8.19
Overall Width (in):	9.50	Mounting Width (in):	6.38
Overall Height (in):	10.44	Mounting Height (in):	11.19 *
Suction Size (in):		7/8 Sweat	
Discharge Size (in):		1/2 Flare	
Oil Recharge (oz):		20	
Initial Oil Charge (oz):		22	
Net Weight (lbs):		106	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	55.0	MCC (Amps):	14.2	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	23-Jul-1984
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		10.1			
RLA(=MCC/1.56;use for breaker & wire size selection):		9.1			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					
Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-30	130.0	156.0	330	
Run Capacitor	014-0064-14	40.0	0.0	440	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-22 HCFC	50	1	200/220	High Temp
R-404A HFC	50	1	200/220	Medium Temperature
R-507 HFC	50	1	200/220	
R-22 HCFC	60	1	208/230	High Temp
R-507 HFC	60	1	208/230	