

# KAMB-007E-CAV

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

Low 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)	-25 / 105	-40 / 105
RG(°F)/Liq(°F)	65.0 / 105.0	65.0 / 105.0
Capacity (Btu/hr)	2800	1750
Power (Watts):	730	578
Current (Amps):	4.00	3.40
EER (Btu/Wh):	3.80	3.00
Mass Flow (lbs/hr):	50	31
Sound Power (dBA):		
Vibration (mils(peak-peak)):		4.76 Max
Record Date:	1994-08-31	

## Mechanical

Number of Cylinders:	2	Displ(in <sup>3</sup> /Rev):	2.79
Bore Size(in):	1.38	Displ(ft <sup>3</sup> /hr):	169.26
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):		5/8 Flare	
Discharge Size (in):		3/8 Flare	
Oil Recharge (oz):		20	
Initial Oil Charge (oz):		22	
Net Weight (lbs):		87	
Internal Free Volume (in <sup>3</sup> ):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

## Electrical

LRA-High*:	36.0	MCC (Amps):	7.9	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):		5.6			
RLA(=MCC/1.56;use for breaker & wire size selection):		5.1			
*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	014-0061-04	145.0	175.0	220	
Run Capacitor	014-0064-00	10.0	0.0	370	

## Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-12 CFC	50	1	200/220	High Temp
R-12 CFC	50	1	200/220	Medium Temperature
R-22 HCFC	50	1	200/220	Low Temperature
R-502 CFC	50	1	200/220	Low Temperature
R-134a HFC	50	1	200/220	UL High Temp
R-134a HFC	50	1	200/220	UL Medium Temp
R-404A HFC	50	1	200/220	Low Temperature
R-12 CFC	60	1	208/230	UL High Temp
R-12 CFC	60	1	208/230	Medium Temperature

## Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-22 HCFC	60	1	208/230	Low Temperature
R-502 CFC	60	1	208/230	Low Temperature
R-134a HFC	60	1	208/230	
R-134a HFC	60	1	208/230	