

# KARB-010E-CAV

HCFC, R-22, 60 Hz, 1 -Phase, 208/230 V  
High Temp



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

## Performance

Evaporator Temp. (°F)	45	20
Condensing Temp. (°F)	130	120
Return Gas Temp. (°F)	65	65
Liquid Temp. (°F)	130	120
Capacity (Btu/hr)	12500	7710
Power (W):	1520	1160
Current (Amps):	7.10	5.60
EER (Btu/Wh):	8.20	6.70
Mass Flow (lbs/hr):	197	113
Sound Data @		
Sound Power (dBA):		
Vibration mils(peak-peak):		4.8 Max
Record Date:	2007-01-04	

## Mechanical

Displacement(in <sup>3</sup> /Rev):	2.59
Displacement(ft <sup>3</sup> /hr):	157.52
Overall Length (in):	14.38
Overall Width (in):	9.50
Overall Height (in):	10.44
Mounting Length (in):	8.19
Mounting Width (in):	6.38
Mounting Height (in):	11.19 *
Suction Size (in),Type:	5/8 Flare
Discharge Size (in),Type:	1/2 Flare
Initial Oil Charge (oz):	22
Oil Recharge (oz):	20
Net Weight (lbs):	93.0
Internal Free Volume (in <sup>3</sup> ):	
Horse Power:	

\*Overall compressor height on Copeland Brand Product's specified mounting grommets.

## Electrical

LRA-High*(Amp):	40.0
LRA Low* (Amp):	
LRA-Half Winding (Amp):	
MCC (Amps):	10.3
Max Operating Current(Amp):	
RLA, MCC/1.4;use for contactor selection (Amp):	7.4
RLA, MCC/1.56;use for breaker & wire size selection (Amp):	6.6
RPM:	
UL File No:	SA-2337
UL File Date:	1984-07-23

\*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.

## Capacitors

Type	Part No	Low MFD	High MFD	Volts	User Description
Start Capacitor	014-0061-04	145.0	175.0	220	
Run Capacitor	014-0064-10	20.0	0.0	440	

## Alternate Applications

Refrigerant	Voltage	Phase	Freq (Hz)	Application
R-404A HFC	200/220	1	50	Medium Temperature
R-404A HFC	208/230	1	60	Medium Temperature
R-22 HCFC	200/220	1	50	High Temp
R-502 CFC	200/220	1	50	UL Medium Temp
R-502 CFC	208/230	1	60	UL Medium Temp
R-448A HFO	200/220	1	50	Medium Temperature
R-448A HFO	208/230	1	60	Medium Temperature
R-449A HFO	208/230	1	60	Medium Temperature