

KARB-010E-CAV

HCFC, R-22, 60Hz, 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

Evap(°F)/Cond(°F)	45 / 130	20 / 120
RG(°F)/Liq(°F)	65.0 / 130.0	65.0 / 120.0
Capacity (Btu/hr)	12500	7710
Power (Watts):	1520	1160
Current (Amps):	7.10	5.60
EER (Btu/Wh):	8.20	6.70
Mass Flow (lbs/hr):	197	113
Sound Power (dBA):		
Vibration (mils(peak-peak)):		4.76 Max
Record Date:	2007-01-04	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	2.59
Bore Size(in):	1.62	Displ(ft ³ /hr):	157.52
Stroke(in):	0.62		
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):		1/2 Flare	
Oil Recharge (oz):		20	
Initial Oil Charge (oz):		22	
Net Weight (lbs):		95	
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	40.0	MCC (Amps):	10.3	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):		7.4			
RLA(=MCC/1.56;use for breaker & wire size selection):		6.6			
*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	014-0064-10	20.0	0.0	440	

Alternate Applications

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