

EAVB-021E-CAV

HCFC, R-22, 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)	6820	3960
Power (Watts):	1720	1410
Current (Amps):	8.30	7.10
EER (Btu/Wh):	4.00	2.80
Mass Flow (lbs/hr):	91	53
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	2007-01-03	

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	7.26
Bore Size(in):	2.00	Displ(ft ³ /hr):	441.34
Stroke(in):	1.16		
Overall Length (in):	16.69	Mounting Length (in):	10.06
Overall Width (in):	12.00	Mounting Width (in):	10.50
Overall Height (in):	12.78	Mounting Height (in):	13.81 *
Suction Size (in):	7/8 Sweat		
Discharge Size (in):	1/2 Flare		
Oil Recharge (oz):	55		
Initial Oil Charge (oz):	60		
Net Weight (lbs):	153		
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	102.0	MCC (Amps):	20.6	UL File No:	SA-2337
LRA-Half Winding:		RPM:	3500	UL File Date:	10-Sep-1984
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):			14.7		
RLA(=MCC/1.56;use for breaker & wire size selection):			13.2		
*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	014-0006-13	189.0	227.0	330	
Run Capacitor	014-0064-14	40.0	0.0	440	

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-12 CFC	50	1	200/220	
R-12 CFC	50	1	200/220	
R-22 HCFC	50	1	200/220	
R-134a HFC	50	1	200/220	
R-134a HFC	50	1	200/220	
R-12 CFC	60	1	208/230	
R-12 CFC	60	1	208/230	
R-134a HFC	60	1	208/230	
R-134a HFC	60	1	208/230	

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-502 CFC	50	1	200/220	UL Low Temp
R-404A HFC	50	1	200/220	Low Temperature
R-507 HFC	50	1	200/220	Low Temperature
R-502 CFC	60	1	208/230	UL Low Temp
R-404A HFC	60	1	208/230	Low Temperature
R-507 HFC	60	1	208/230	Low Temperature