

EAVB-021E-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)	7510	4270
Power (Watts):	1900	1490
Current (Amps):	9.20	7.60
EER (Btu/Wh):	4.00	2.90
Mass Flow (lbs/hr):	135	75
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:	1993-12-27	

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-502 CFC	50	1	200/220	UL Low Temp
R-134a HFC	50	1	200/220	
R-134a HFC	50	1	200/220	
R-404A HFC	50	1	200/220	Low Temperature
R-507 HFC	50	1	200/220	Low Temperature
R-448A HFO	50	1	200/220	

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-449A HFO	50	1	200/220	
R-12 CFC	60	1	208/230	
R-12 CFC	60	1	208/230	
R-22 HCFC	60	1	208/230	Low Temperature
R-502 CFC	60	1	208/230	UL Low Temp
R-134a HFC	60	1	208/230	
R-134a HFC	60	1	208/230	
R-507 HFC	60	1	208/230	Low Temperature
R-448A HFO	60	1	208/230	
R-449A HFO	60	1	208/230	