

EAVA-021E-TAC

HCFC, R-22, 60Hz, 3- 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 / 105	65 / 105
Capacity (Btu/hr)	6470	3820
Power (Watts):	1410	1070
Current (Amps):	5.20	4.60
EER (Btu/Wh):	4.60	3.60
Mass Flow (lbs/hr):	86	51
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak- Record Date:	0.0 Avg	0.0 Max
	2006-12-22	

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):		168	
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	50.0	MCC (Amps):	10.3	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	10-Sep-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)		6.6			
*Low and High refer to the low and high nominal voltage ranges for which the motor is approved.					

Alternate Applications

Refrigerant	Freq (Hz)	Phase	Voltage	Application
R-134a HFC	50	3	200/220	
R-12 CFC	60	3	208/230	
R-22 HCFC	50	3	200/220	Low Temperature
R-404A HFC	50	3	200/220	Low Temperature
R-507 HFC	50	3	200/220	Low Temperature
R-502 CFC	50	3	200/220	Low Temperature
R-404A HFC	60	3	208/230	Low Temperature
R-507 HFC	60	3	208/230	Low Temperature
R-502 CFC	60	3	208/230	Low Temperature
R-12 CFC	50	3	200/220	UL High Temp
R-12 CFC	50	3	200/220	Medium Temperature

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-12 CFC	60	3	208/230	Medium Temperature
R-134a HFC	50	3	200/220	High Temperature
R-134a HFC	60	3	208/230	High Temperature
R-134a HFC	60	3	208/230	UL Medium Temp

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
36	003-0020-04	1	PLATE-DISCHARGE MUFFLER	
19	005-0001-00	1	COVER-TERMINAL BOX	
32	005-0042-00	1	COVER-STATOR	
10	013-0010-00	1	SCREEN-STRAINER	
8	020-0012-10	1	GASKET-SERVICE VALVE	SUCTION
9	020-0012-11	1	GASKET-SERVICE VALVE	DISCHARGE
35	020-0012-11	2	GASKET-SERVICE VALVE	GASKET REQUIRED ON BOTH SIDES OF
6	020-0054-00	1	GASKET-STATOR COVER	
1	020-0122-00	1	GASKET-CYLINDER HEAD	
3	020-0123-00	1	GASKET-VALVE PLATE	
5	020-0124-00	1	GASKET-BOTTOM PLATE	
4	020-0749-00	1	GASKET-HOUSING COVER	
16	020-0844-02	1	SEAL	
20	062-0001-00	1	BOX-TERMINAL	
18	064-0012-06	1	INSULATOR	PROTECTOR SLEEVE - RUBBER BAND
17	071-0090-35	1	PROTECTOR	
23	510-0061-00	1	VALVE-CHECK ASSM	
15	521-0017-00	1	TERMINAL-FUSED CLUSTER	
22	521-0067-01	1	TERMINAL-INSULATOR ASSM	
24	527-0006-00	1	SPACER-MOUNTING ASSM	
21	580-0052-02	1	BOARD-TERMINAL ASSM	
14	918-0009-00	1	HEATER-CRANKCASE 120V	120V 65W BOLT ON
14	918-0009-01	1	HEATER CRANKCASE 240V	65W BOLT ON
11	998-0002-04	1	SIGHT GLASS KIT	
13	998-0510-12	1	SERV VALVE KIT 7/8 SWT	SUCTION
12	998-0510-22	1	SERV VALVE KIT 1/2 FL	DISCHARGE
2	998-0661-06	1	VALVE PLATE KIT	

Scott Kohler
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<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
25	998-0669-28	1	GASKET SET	
7	998-5100-19	1	SUCT & DISCH VALVE KIT	WITH VALVES BOLTS & GASKETS

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Accessories

<u>PartNumber</u>	<u>Description</u>
024-0200-00	Fan Guard - Top, for Head Cooling Fan
083-0118-00	Fan Blade - for Head Cooling Fan
085-0160-00	3 Phase Voltage Monitor. For use with all Copeland 3 Phase Compressors. Consult model family nomenclature for electrical definition in the model number.
918-0009-00	Crankcase Heater, 120v, 65w, bolt on. For usage on specific Copeland Copelametic & Discus Compressor except deep sump models. Includes crankcase heater, and reference drawings.
918-0009-01	Crankcase Heater, 240v, 65w, bolt on. For usage on specific Copeland Copelametic, & Discus Compressor except deep sump models. Includes crankcase heater, and reference drawings.
918-0009-02	Crankcase Heater, 480v, 65w, bolt on. For usage on specific Copeland Copelametic, & Discus Compressor except deep sump models. Includes crankcase heater, and reference drawings.
918-0009-03	Crankcase Heater, 600v, 65w, bolt on. For usage on specific Copeland Copelametic, & Discus Compressor except deep sump models. Includes crankcase heater, and reference drawings.
998-0050-00	Fan Assembly, 208/230-1-50/60, 1-1 1/2 HP. Horizontal fan assembly to blow on compressor side, replacement motor 050-0259-13.
998-0050-02	Fan Assembly, 208/230-1-50/60 2HP. Horizontal fan assembly to blow on compressor side, replacement motor 050-0259-13.
998-0050-03	Fan Assembly, 440-1-50/60, 2 HP. Horizontal fan assembly to blow on compressor side, replacement motor 050-0259-14.
998-0429-08	Protector & Gasket Kit
998-0429-09	Protector & Gasket Kit
998-0429-10	Protector & Gasket Kit
998-0550-00	Fan Motor Blade & Guard Assembly 230v, Does not include mounting bracket. Must be ordered separately
998-0550-01	Fan Motor Blade & Guard Assembly 460v, Does not include mounting bracket. Must be ordered separately
998-0550-02	Fan Motor Blade & Guard Assembly 115v, Does not include mounting bracket. Must be ordered separately
998-0550-03	Fan Motor 230v. Includes fan motor mounted to bottom guard
998-0550-04	Fan Motor 460v. Includes fan motor mounted to bottom guard
998-0550-05	Fan Motor 115v. Includes fan motor mounted to bottom guard
998-0574-15	Fan Mounting Kit. Vertical fan mount on top of compressor head
998-0683-00	Shipping Plate, Gasket, and Bolt (Discharge all 2D) (Discharge) (Suction & Discharge) 2 kits required
998-AB52-01	Akylbenzene Oil. Approved for use with specific Copeland Semi Hermetic After Market Compressors. Consult model family nomenclatures for oil identifier in the model number.
998-E022-01	Polyol Ester Oil. Approved for use with specific Copeland Hermetic & Semi Hermetic models. Consult specific model family nomenclatures for oil identifier in the model number.