

LACA-032E-TAC

HFC, R-404A, 60Hz, 3- Phase, 208/230 V

UL Low Temp

Production Status:



Performance

Evap(°F)/Cond(°F)	-25 / 105	-40 / 105
Capacity (Btu/hr)	14600	8130
Power (Watts):	3070	2200
Current (Amps):		
EER (Btu/Wh):	4.80	3.70
Mass Flow (lbs/hr):		
Sound Power (dBA):	0 Avg	0 Max
Vibration (mils(peak-peak)):	0.0 Avg	0.0 Max
Record Date:		

Mechanical

Number of Cylinders:	2	Displ(in ³ /Rev):	13.43
Bore Size(in):	2.44	Displ(ft ³ /hr):	815.79
Stroke(in):	1.44		
Overall Length (in):	18.63	Mounting Length (in):	11.63
Overall Width (in):	14.00	Mounting Width (in):	11.00
Overall Height (in):	14.72	Mounting Height (in):	15.75 *
Suction Size (in):		1 1/8 Sweat	
Discharge Size (in):		5/8 Flare	
Oil Recharge (oz):		75	
Initial Oil Charge (oz):		80	
Net Weight (lbs):		201	
Internal Free Volume (in ³):			
Horse Power:			
*Overall compressor height on Copeland Brand Product's specified mounting grommets.			

Electrical

LRA-High*:	112.0	MCC (Amps):	17.9	UL File No:	SA-2337
LRA-Half Winding:		RPM:		UL File Date:	17-May-1961
LRA Low*:		Max Operating Current:			
RLA(=MCC/1.4;use for contactor selection):		12.8			
RLA(=MCC/1.56;use for breaker & wire size selection):		11.5			
*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-404A HFC	50	3	200/220	UL Low Temp
R-404A HFC	50	3	200/220	UL Low Temp
R-507 HFC	50	3	200/220	
R-448A HFO	50	3	200/220	
R-448A HFO	50	3	200/220	
R-449A HFO	50	3	200/220	
R-449A HFO	50	3	200/220	
R-134a HFC	60	3	208/230	
R-404A HFC	60	3	208/230	Extra-Low Temperature

Alternate Applications

<u>Refrigerant</u>	<u>Freq (Hz)</u>	<u>Phase</u>	<u>Voltage</u>	<u>Application</u>
R-507 HFC	60	3	208/230	
R-448A HFO	60	3	208/230	
R-448A HFO	60	3	208/230	
R-449A HFO	60	3	208/230	
R-449A HFO	60	3	208/230	

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Service Parts

<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
20	003-0099-00	1	PLATE-BOTTOM	
35	003-0129-00	1	PLATE-TERMINAL MTG	
17	005-0163-00	1	COVER-TERMINAL BOX	
10	013-0038-00	1	SCREEN-SUCTION	
9	020-0012-10	1	GASKET-SERVICE VALVE	DISCHARGE
8	020-0012-11	1	GASKET-SERVICE VALVE	SUCTION
6	020-0054-00	1	GASKET-STATOR COVER	
34	020-0146-00	1	GASKET-TERM MTG PLATE	
5	020-0159-00	1	GASKET-BOTTOM PLATE	
24	020-0330-00	1	GASKET-ADAPTER MTG	
4	020-0749-00	1	GASKET-HOUSING COVER	
37	020-0844-02	2	SEAL	
3	020-0918-02	1	GASKET-VALVE PLATE	
1	020-0954-00	1	GASKET-CYL HD	
23	034-0031-00	1	ADAPTER	SUCTION BLOCK
18	062-0058-00	1	BOX-TERMINAL	
28	510-0003-00	1	VALVE-CHECK ASSM	
14	521-0017-00	1	TERMINAL-FUSED CLUSTER	
14	521-0018-00	1	TERMINAL-FUSED CLUSTER	
21	521-0128-00	1	TERMINAL-PLATE GROUP	
29	527-0007-00	1	SPACER-MOUNTING ASSM	
11	918-0009-00	1	HEATER-CRANKCASE 120V	120V 65W BOLT ON
11	918-0009-01	1	HEATER CRANKCASE 240V	65W BOLT ON
38	921-0227-00	1	CONNECTOR BLOCK KIT	
15	971-0090-47	1	PROTECTOR KIT	
22	998-0002-04	1	SIGHT GLASS KIT	
13	998-0510-13	1	SERV VALVE KIT 1 1/8 SWT	1 1/8 SWT 2 BOLT SUCTION

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<u>Reference</u>	<u>Component</u>	<u>Quantity</u>	<u>Description</u>	<u>Comment</u>
12	998-0510-23	1	SERV VALVE KIT 5/8 FL	5/8 FLARE 2 BOLT DISCHARGE
2	998-0661-37	1	VALVE PLATE KIT	
30	998-0669-19	1	GASKET SET	
7	998-5100-34	1	SUCT & DISCH VALVE KIT	WITH VALVES BOLTS & GASKETS

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Accessories

<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
Crankcase Heaters	918-0009-00	Crankcase Heater Kit, 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 Kit, 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 Kit, 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 Kit, 600V, 65W, bolt on. For usage on specific Copeland Copelametic, & Discus Compressor except deep sump models. Includes crankcase heater, and reference drawings.
Electrical Components	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.
Miscellaneous	024-0200-00	Fan Guard, Top, for Head Cooling Fan
	083-0118-00	Fan Blade, for Head Cooling Fan
	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
	998-0574-00	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

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<u>Category</u>	<u>PartNumber</u>	<u>Description</u>
		for oil identifier in the model number.

Common U.S. OEM Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
220						-	-	-	-	-	-
213						-	-	-	-	-	-

Common U.S. Service Bill Of Materials

	Suction Connection	Suction Size	Discharge Connection	Discharge Size	Electrical Connection	Mounting Assembly	Sight Glass	Crankcase Heater	Schraeder Valve	Tandem Ready	Module Voltage
800						-	-	-	-	-	-
8R0					SCREW	-	-	-	-	-	-
8S0						-	-	-	-	-	-

* Note: For all other Bill Of Material descriptions (Including International and Customer Specific Bills of Materials) contact your sales representative or the Application Engineering Department.