

# LACA-032E-TAC

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

UL Low Temp

Production Status:



## Performance

Evap(°F)/Cond(°F)	<u>-25 / 105</u>	<u>-40 / 105</u>
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 <sup>3</sup> /Rev):	13.43
Bore Size(in):	2.44	Displ(ft <sup>3</sup> /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 <sup>3</sup> ):			
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.