



Hi-Speed Industrial Service
7030 Ryburn Dr
Millington, Tn 38053
901-873-5300

AC Recondition Repair Report

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Molex, Inc. (10511)
801 Murphy Dr.
Maumelle, AR 72113

Priorities Found: ● 2 - High ● 11 - Good

General

1. Job Number	98135
2. Report Date	04/22/2021
3. Customer	MOLEX

Name Plate Information

4. Manufacturer	BALDOR	P5
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






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5. Model	CAT# EM2547T
6. Serial Number	Z0510100310
7. Horsepower	60
8. KW	
9. Volts	460
10. Amps	68
11. RPM	1775
12. Frame	364T
13. Enclosure	TEFC
14. Cycles	60
15. Phase	3

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16.	Service Factor	1.15	
17.	Motor Mount Position		
Initial Inspection			
18.	Number of Leads	9	P13
			
19.	Lead Length	12 Inches	
20.	Lead Size		
	21. Lead Condition	(P) Pass	P42
			
22.	Lead Markings	1-9	
23.	Lug Size, Condition, and Type		
24.	Winding RTD's		
25.	Winding Rtd's Condition		
26.	Shaft Run Out	0.001	
27.	Does Shaft Turn Freely	yes	
28.	Does Shaft Have Visible Damage	no	
29.	Bearing Rtd's	(NA) Not Applicable	
	30. Bearing Rtd's Condition	(NA) Not Applicable	
31.	Contamination		P104
	<i>Dirty</i>		

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32. Frame Condition

(P) Pass

P106



33. Fan Condition

(NA) Not Applicable

34. Broken or missing components

Initial Electric Test

- 35. Resistance to Ground
- 36. Winding Resistance 1-2
- 37. Winding Resistance 2-3
- 38. Winding Resistance 1-3
- 39. Resistive Imbalance
- 40. Hi-Pot

41. Surge Test

(F) Fail

42. Stator Condition

pass

43. Failure Location

Initial Rotor Inspection



44. Rotor Type

laminate press squirrel cage

P4



45. Air Gap <10% Variation

46. Number of Rotor Bars

47. Number of Broken Rotor Bars

0

● 48. Growler Test

(P) Pass

● 49. Rotor Condition

(P) Pass

P50



Mechanical Inspection



50. Bearing Manufacture

SKF

51. Bearing DE Size

6313 Z C3

P15



52. Bearing DE Type

deep groove ball bearing

53. DE Bearing Qty.

1

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55. Bearing ODE Type

deep groove ball bearing

56. ODE Bearing Qty.

1

57. Insulated Bearing

58. Lubrication Type

grease

59. Grease Condition

(F) Fail

P74



60. Bearing Retainers

(NA) Not Applicable

61. Shaft Grounding Device

(NA) Not Applicable

62. DE Seal

(NA) Not Applicable

63. DE Seal Type/Size

64. ODE Seal

(NA) Not Applicable

65. ODE Seal Type/Size

Root Cause of Failure

66. Component Failure

67. Cause of Failure


68. Comments

69. Service Technician

Terrence. Holland

Machine Fit Inspection Report

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70.	Shaft Run Out	
71.	Initial Shaft Run Out	
72.	Final Shaft Run Out	
73.	DE Bearing Shaft Fit	(P) Pass
74.	DE Initial Shaft Bearing Fit Size 1	2.559 "
75.	DE Initial Shaft Bearing Fit Size 2	2.559 "
76.	DE Initial Shaft Bearing Fit Size 3	2.559 "
77.	DE Finial Shaft Bearing Fit Size 1	
78.	DE Finial Shaft Bearing Fit Size 2	
79.	DE Finial Shaft Bearing Fit Size 3	
80.	ODE Bearing Shaft Fit	(P) Pass
81.	ODE Initial Shaft Bearing Fit Size 1	2.1653 "
82.	ODE Initial Shaft Bearing Fit Size 2	2.1652 "
83.	ODE Initial Shaft Bearing Fit Size 3	2.1652 "
84.	ODE Finial Shaft Bearing Fit Size 1	
85.	ODE Finial Shaft Bearing Fit Size 2	
86.	ODE Finial Shaft Bearing Fit Size 3	
87.	DE Air Seal Shaft Fit	
88.	DE Initial Air Seal Shaft Size	
89.	DE Final Air Seal Shaft Size	
90.	ODE Air Seal Shaft Fit	
91.	ODE Initial Air Seal Shaft Size	
92.	ODE Final Air Seal Shaft Size	
93.	DE Endbell Fit	P129
		
94.	DE Initial Endbell Fit Size 1	5.5129 "
95.	DE Initial Endbell Fit Size 2	5.5124 "
96.	DE Initial Endbell Fit Size 3	5.5122 "
97.	DE Final Endbell Fit Size 1	
98.	DE Finial Endbell Fit Size 2	
99.	DE Final Endbell Fit Size 3	
100.	DE Endbell Fit Insulated	
101.	DE Endbell Air Seal Fit	
102.	Initial Endbell Air Seal Fit Size	
103.	Finial Endbell Air Seal Fit Size	
104.	ODE Endbell Fit	
105.	ODE Initial Endbell Fit Size 1	4.7244 "

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106. ODE Initial Endbell Fit Size 2	4.7246 "
107. ODE Initial Endbell Fit Size 3	4.7247 "
108. ODE Final Endbell Fit Size 1	
109. ODE Final Endbell Fit Size 2	
110. ODE Final Endbell Fit Size 3	
111. ODE Endbell Fit Insulated	(NA) Not Applicable
112. ODE Endbell Air Seal Fit	
113. ODE Initial Endbell Seal Fit Size	
114. ODE Finial Endbell Seal Fit Size	
● 115. Foot Flatness	(P) Pass
● 116. Foot Condition	(P) Pass
● 117. Flange Condition	(NA) Not Applicable
118. Service Technician	Terrence. Holland



🗨️ *Rewind stator.*

Balancing Report

119. Balance Type
120. Balance Operating Speed
121. Start Left End
122. Start Right End
123. Balancing Specification
124. Finish Left End
125. Finish Right End
126. Service Technician

Assembly and Final Test

127. Meggar Testing Reading
128. Surge Test
129. Hi-Pot
130. Winding Resistance 1-2
131. Winding Resistance 2-3
132. Winding Resistance 1-3
133. Test Run Voltage Phase A
134. Test Run Amps A
135. Test Run Voltage Phase B
136. Test Run Amps B
137. Test Run Voltage Phase C
138. Test Run Amps C
139. DE Horizontal Vibration Reading
140. DE Vertical Vibration Reading
141. DE Axial Vibration Reading
142. ODE Horizontal Vibration Reading
143. ODE Vertical Vibration Reading
144. ODE Axial Vibration Reading
145. Ambient Temp at start of Test Run

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146. Temp at 5 minutes
147. Temp at 10 minutes
148. Temp at 15 minutes
149. Temp at 20 minutes
150. Temp at 25 minutes
151. Temp at 30 minutes
152. Temp at 35 minutes
153. Temp at 40 minutes
154. Temp at 45 minutes
155. Temp at 50 minutes
156. Temp at 55 minutes
157. Temp at 60 minutes
158. Motor Paint
159. Service Technician