



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 96897

Date: June 15, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Alcoa

Motor#:

Name Plate Information

Manufacturer:	Marathon	Enclosure :	Totally Enclosed Fan Cooled	Horsepower/kW:	350
Serial#:	Waa002323	Model#:	Bvd449ttfs16542aa	Service Factor:	1.15
Frame:	447/449t	Rated RPM:	1785	Rated Voltage:	460
Phase:	3	Rated Amps:	395	Cycles:	60
Special design:	No				

WEST TENNESSEE
7030 Ryburn Drive
Millington, TN 38053
Phone 901-873-5300
Fax 901-873-5301

CENTRAL ARKANSAS
6812 Lindsey Rd.
Little Rock, AR 72206
Phone 501-375-9178
Fax 501-375-4254



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AC Electrical Inspection

Megs at reassembly: Good

Surge at reassembly: Good

Hi-pot reassembly: Good

Winding Resistance Incoming

Phases A to B

Phases B to C

Phases C to A

Resistive imbalance

Outgoing

Test Run Inspection

Date

Yes I have merged this motor and verified that all electrical tests are complete!

Power Supply

	Phase A	Phase B	Phase C
No Load Voltage	460	460	460
No Load Current	120	117	117

Temperatures: (Degrees Fahrenheit)

Test run ball-bearing motors for 15 minutes.

Test run sleeve bearing motors for 60 minutes.

Temperature rise at the end of test run should be less than 2° every five minutes.

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Test Run Inspection (Continued)

Ambient Temp:

TIME	DE	Degree Change	ODE	Degree Change
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START:

5 MIN:

10 MIN:

15 MIN:

20 MIN:

25 MIN:

30 MIN:

35 MIN:

40 MIN:

45 MIN:

50 MIN:

55 MIN:

60 MIN:

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Test Run Inspection (Continued)

Vibration Data: In./Sec-Peak (Readings should be less than .08 In/Sec Peak)

	Horizontal	VDE	Axial
DE	0.35	0.23	0.1
ODE	0.32	0.3	0.1

Magnetic Center Measurements (Only Applies to Sleeve Bearing Motors)

Magnetic Center line distance from shaft shoulder

Magnetic Center line distance from all the way out mark

Magnetic Center line distance from all the way in mark

Total Motor End Float

Additional photos



☐ Yes, the shaft has been isolated for delivery.

Service Tech name: Trevor Hall

Service Tech signature:

