



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 142256

Date: April 9, 2020

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Mauser

Motor#: 142256

## Name Plate Information

Manufacturer: STERLING GEAR  
MOTOR

Enclosure : Open Drop Proof  
(ODP)

Horsepower/kW: 3HP

Serial#: 8A5558-1

Model#:

Service Factor:

Frame: CZ225-23

Rated RPM: 1800 in -out 125

Rated Voltage: 220/440

Phase: 3

Rated Amps: 8.2/4.1

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	8.021	8.018	8.027	1.0

## Test Run Inspection

Date April 9, 2020

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	439.2	442.6	441.0
No Load Current	1.8	2.1	2.1

### 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:** 65

TIME	DE	Degree Change	ODE	Degree Change
START:	65	0	65	0
5 MIN:	66	1	66	1
10 MIN:	67	1	67	1
15 MIN:	67	0	68	1
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	0.039	0.040	0.037
ODE	0.038	0.042	0.039

## 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: Michael Jordan

Service Tech signature: