



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 142425

Date: May 7, 2020

Priority: —

Authorized OT: No

Authorized by: Terry f

## Customer Information

Name: U of Memphis

Motor#:

## Name Plate Information

Manufacturer:	Marathon	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	150
Serial#:	Na	Model#:	7b444t	Service Factor:	1.15
Frame:	444ts	Rated RPM:	1785	Rated Voltage:	480
Phase:	3	Rated Amps:	175	Cycles:	
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	0.5	0.5	0.4	0.5

## Test Run Inspection

Date May 7, 2020

— 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	59.9	60	57.6

### 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:** 75

TIME	DE	Degree Change	ODE	Degree Change
START:	75	0	75	0
5 MIN:	76	1	76	1
10 MIN:	77	1	77	1
15 MIN:	79	2	78	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	0.055	0.049	0.039
ODE	0.056	0.054	0.038

## Magnetic Center Measurements (Only Applies to Sleeve Bearing Motors)

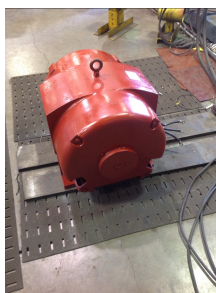
Magnetic Center line distance from shaft shoulder

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: Terry f

Service Tech signature:

