



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 139406

Date: April 26, 2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Memphis Light Gas &amp; Water

Motor#: 139406

## Name Plate Information

Manufacturer:	US	Enclosure :	Weather Protected I (WPI)	Horsepower/kW:	150
Serial#:	W04W0360270R-2	Model#:	869092	Service Factor:	1.15
Frame:	445TP	Rated RPM:	1185	Rated Voltage:	460
Phase:	3	Rated Amps:	174.5	Cycles:	60
Special design:	Yes				

**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	0.373460	0.373100	0.372600	0.2

## Test Run Inspection

Date April 26, 2019

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	34	39	41

### 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:** 70

TIME	DE	Degree Change	ODE	Degree Change
START:	70	0	70	0
5 MIN:	71	1	72	2
10 MIN:	72	1	73	1
15 MIN:	73	1	73	0
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	0.063	0.025	0.021
ODE	0.022	0.031	0.024

## 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

Service Tech signature:

