



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 94838

Date: November 6,  
2018

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: A.I.M.

Motor#:

## Name Plate Information

Manufacturer: Barter Varnost

Enclosure : Totally Enclosed  
Fan Cooled

Horsepower/kW: 26

Serial#:

Model#: 3KTC-180N-2

Service Factor:

Frame: 180M

Rated RPM:

Rated Voltage: 278/460

Phase: 3

Rated Amps: 71/41

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	0.26	0.26	0.26	0.7

## Test Run Inspection

Date November 6, 2018

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	461	459	459
No Load Current	8.8	8.8	8.2

### 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

ODE

## 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: Terrence Holland

Service Tech signature:

