



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 95747

Date: July 23, 2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: Future fuel

Motor#:

## Name Plate Information

Manufacturer:	U.S. Electric	Enclosure :	Totally Enclosed Fan Cooled	Horsepower/kW:	20
Serial#:	Y0316706936-0001 M0001	Model#:	16706936-100	Service Factor:	1.25
Frame:	256JM	Rated RPM:	3525	Rated Voltage:	230/460
Phase:	3	Rated Amps:	46/23	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 July 22, 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	4.2	4.1	4.1

### 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:

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:

