



MILLINGTON, TN

LITTLE ROCK, AR

## Job Information

Job #: 140451

Date: September 6,  
2019

Priority: —

Authorized OT: No

Authorized by:

## Customer Information

Name: INSITUFORM

Motor#:

## Name Plate Information

Manufacturer: Leroy Somer

Enclosure : Open Drop Proof  
(ODP)

Serial#:

Model#:

Service Factor:

Frame:

Horsepower/kW: 42.7 kw

Rated RPM: 2820

Armature

Volts 400

Amps 119

Fields

Volts 190

Amps 1.98

## Test Run Inspection

Date

— I have merged this motor and verified that all electrical tests are complete!

### Power Supply

Phase A

Phase B

Phase C

No Load Voltage

No Load Current

**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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## Test Run Inspection (Continued)

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.

### Ambient Temp:

TIME	DE	Degree Change	ODE	Degree Change
START:	78	0	78	0
5 MIN:	80	2	80	2
10 MIN:	81	1	81	1
15 MIN:	82	1	82	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	0.085	0.072	0.042
ODE	0.087	0.074	0.049

## 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: Shawn

Service Tech signature:

A large, stylized handwritten signature in black ink, likely belonging to Shawn, the Service Tech.