



MILLINGTON, TN

LITTLE ROCK, AR

Job Information

Job #: 140435

Date: February 7, 2020

Priority: —

Authorized OT: No

Authorized by:

Customer Information

Name: Nucor

Motor#:

Name Plate Information

Manufacturer:	P&H	Enclosure :	Totally Enclosed Non-Ventilated	Horsepower/kW:	15
Serial#:	509337-692	Model#:	281M 1020-E	Service Factor:	
Frame:	284	Rated RPM:	1145	Rated Voltage:	460
Phase:	3	Rated Amps:	20.3	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	0.892100	0.894100	0.897500	0.6

Test Run Inspection

Date February 7, 2020

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	459.2	460.4	459.9
No Load Current	7.5	7.7	7.8

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: 60

TIME	DE	Degree Change	ODE	Degree Change
START:	60	0	60	0
5 MIN:	61	1	62	2
10 MIN:	61	0	62	0
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	0.036	0.032	0.036
ODE	0.035	0.034	0.041

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:

