Job Information

Job #:	140835			Date:	December 2, 2019
Priority:	—	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Barnhart	Motor#:	

Name Plate Information

Manufacturer:	GE	Enclosure :	Totally Enclosed Fan Cooled	Horsepower/kW:	100
Serial#:	KE423016	Model#:	5K365BK2050	Service Factor:	1.0
Frame:	365TSZ	Rated RPM:	1770	Rated Voltage:	440
Phase:	3	Rated Amps:	120	Cycles:	60
Special design:	Yes				

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	0.0637	0.0638	0.0640	0.4

Test Run Inspection

Date December 2, 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	79.3	79.2	79.1

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.

Test Run Inspection (Continued)

Ambient Temp: 65

TIME	DE	Degree Change	ODE	Degree Change
START:	65		65	
5 MIN:	68	3	67	2
10 MIN:	71	3	71	4
15 MIN:	75	4	75	4
20 MIN:				
25 MIN:				
30 MIN:				
35 MIN:				
40 MIN:				
45 MIN:				
50 MIN:				
55 MIN:				
60 MIN:				

Test Run Inspection (Continued)

Vibration Data: In./Sec-Peak **(Readings should be less than .08 In/Sec Peak)**

	Horizontal	VDE	Axial
DE	0.016	0.022	0.022
ODE	0.015	0.025	0.023

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: Jeremy Yarbrough

Service Tech signature: