Job Information

Job #:	142393			Date:	May 5, 2020
Priority:	—	Authorized OT:	No	Authorized by:	

Customer Information

Name:	Process&Power	Motor#:	142393

Name Plate Information

Manufacturer:	Ingersoll Rand	Enclosure :	Open Drop Proof (ODP)	Horsepower/kW:	50HP
Serial#:	151055	Model#:		Service Factor:	1.15
Frame:		Rated RPM:	3570	Rated Voltage:	230/460
Phase:	3	Rated Amps:	112.2/56.1	Cycles:	60
Special design:	No				

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	0.054	0.052	0.053	0.054

Test Run Inspection

Date May 5, 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	461	460
No Load Current	16	19	18

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: 78

TIME	DE	Degree Change	ODE	Degree Change
START:	78	0	78	0
5 MIN:	79	1	79	1
10 MIN:	81	2	80	1
15 MIN:	83	2	81	1
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	0.023	0.027	0.019
ODE	0.025	0.029	0.017

Magnetic Center Measurements **(Only Applies to Sleeve Bearing Motors)**

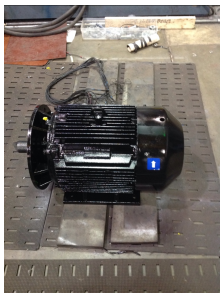
Magnetic Center line distance from shaft shoulder

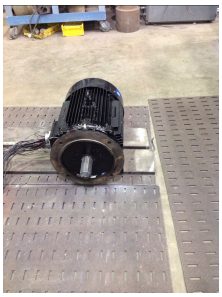
Magnetic Center line distance from all the way out mark

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: Michael Jordan

Service Tech signature: