

MOTOR SERVICE REPORT

JOB INFORMATION

ETI Job#:	00040862	Rpt Date:	Friday, July 3, 2020
Customer:	ETI	Ship Date:	5/8/2019
Motor Mfg:	Fanuc	PO:	1062
Motor Type:	A06B-0868-B200	Ref.:	N30
Serial No:	C98XX0029	Cust Job #:	
Equip Mfg:		Consignee PO:	
Equip Type:		Equip SN:	
Point of Failure Primary/Secondary: _____			

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WORK SCOPE

- Testing - Incoming inspections
Determine if motor is faulty, and disassemble as necessary.
- Stator - steam clean/ bake
- Parts, Clean/ Paint
- Winding, Stripping
- Rewind Stator / Armature
- Dip / Clean
- Shaft - replace and finish grind
- Housing - Sleeve and finish A side
- Hsg(B), Sleeve and finish
- Machining Miscellaneous
Sleeve A-side shaft opening
- Rotor - Balance
- Blower, Rebuild- Spindle
- Assemble, align, and test
Assemble motor, align and/or test feedback, verify assembly accuracy is within factory specification.
- Testing - Final run-in
Install/replace the following parts:
- Testing - Final run-in
Run-in motor to full speed, and verify that overall vibration is within manufacturer's tolerance. Monitor bearing temperatures, and no-load current.
- Paint-final / Deliver to shipping

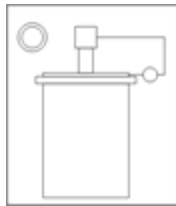
PARTS INSTALLED

- 6314 TYA ZZ C4 P5
NSK precision spindle motor bearing
- 6310 T2 ZZ C3
NTN spindle motor bearing
- α(i)30/40/α(i)30/40/50P 250mm fan
exhaust rear
- Magnet wire
- 180C bi-metal thermal overload
- 6217/6314 steel sleeve
- 6212/6310 steel sleeve
40mm bearing housing
- Fanuc MZI sensor unit
α and α1 series AC spindle motors
- 340mm α1 series cbl - MI/MZI sensor

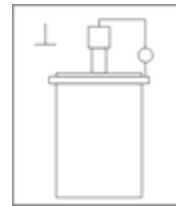
ACCURACY



0.010 mm



mm



mm

WINDING MEASUREMENTS

Resistance to ground	40122 MΩ	O/L Resistance	0.02Ω
Surge Voltage	1500.0 VDC	HiPot Voltage	2300 VDC
Winding Resistance	LO U1-V1	mΩ V1-W1	mΩ U1-W1
	HI U1-V1 13.1 mΩ	mΩ V1-W1 13.1 mΩ	mΩ U1-W1 13.1 mΩ
			Current Leakage 0.057 μA

VIBRATION LEVELS

mm/sec RMS	Horiz	Vert	Axial	μ pk	Horiz	Vert	Axial
A Side	0.60	0.50	0.40	A Side			
B Side	0.50	0.40	0.30	B Side			

TEST RESULTS

Bearing Temperature	A Side	28.0 °C	B Side	25.0 °C					
Test Duration	90		Drive Used	Fanuc 21iTB w/A06B-6112-H022#H550					
Motor Current	U	14.87 A	V	14.22 A	W	14.54 A			
Fan Motor Voltage	200	V	Current	U	0.39 A	V	0.40 A	W	0.38 A
Brake Static Torque			Brake Current						

NOTES