

Job Information

End Tec Job: 20xxx	Rpt Date: 2/22/2010
Customer:	PO: 10-10101
Motor Mfg: Franz Kessler	Ref.
Motor Type: DMQ112.AM.4.AFS-C4	Ship Ref.
Serial No: xxxxxx	Bill Ref.

Work Scope

- Test and troubleshoot motor.
- Disassemble motor and inspect all parts.
- Steam clean or solvent clean motor windings.
- Measure shaft journals, and bearing housings for correct tolerance.
- Dynamically balance rotor.
- Clean and rebuild fan motor with new bearings.
- Replace bearings.
- Reassemble motor and verify assembly tolerances.
- Test feedback output.
- Test run motor and verify vibration levels are within manufacturer specification.
- Trim balance motor.
- Record vibration spectrums.
- Paint motor.
- Clean-up damaged surfaces of B-side pre-load assembly / labyrinth seal.
- Replace damaged pre-load springs.

Parts Installed

A-side bearing B-side bearing

A Side Bearing arrangement DT Back out

B Side Bearing arrangement DT Back out

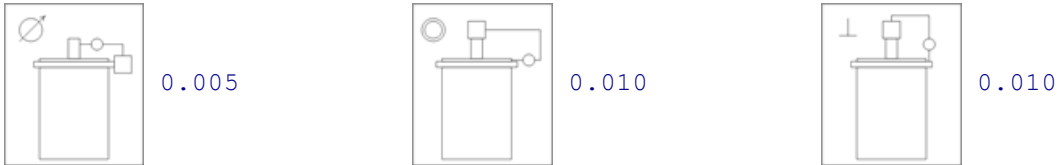
Grease Used

Additional Parts

Preload spring

Assembly Tolerances

Assembly Tolerance Measurements MM IN



Winding Measurements

MΩ to Ground Ω O/L

Surge Voltage HiPot Voltage μA Leakage

Winding Resistance | mΩ U1-V1 mΩ V1 - W1 mΩ U1 - W1

Vibration Levels

mm/sec RMS	Horiz			Vert			Axial		
	Horiz	Vert	Axial	Horiz	Vert	Axial	Horiz	Vert	Axial
A Side	.47	.56	.29						
B Side	.47	.321	.21						

Test Results

Bearing Temperature 33 deg. A Side 36 deg. B Side

Test Duration 6 hours Drive Used UNI75

Motor Current U 4.8A V 4.9A W 4.8A

Fan Motor Volts na
Brake Static Torque

Current U V W
Brake Current

Notes