



LEXSECO

Electromagnetic Test Equipment
The Set the Standard

Stator Core Loss Test Report

Core Test: 07/26/01 03:20:48 PM
 HotSpot Test: 07/26/01 04:25:09 PM
 Customer: ACE ELECTRIC
 Job: SAMPLEAC2
 Phase: Postburnout
 Technician: SMITH, JOE, M
 Report Date: 06/03/02 05:37:57 PM

Lexseco, LLC
 4740 Allmond Avenue
 Louisville
 KY 40209
 PH:502-367-4393

Tested with Lexseco Model:1081G-A

Nameplate Data

Description.....	AC	Frame.....	213T
Manufacturer....	RELIANCE	Frame Type.....	T FRAME
Rated Power.....	50.00 HP	Temp. Amb.....	10
Speed.....	1740	Duty Cycle.....	Continuous
Rated Voltage...	460	Serial #.....	S/N12345
Rated Current...	230	Model.....	MODEL12345
Phase.....	Single	Style.....	STYLE12345
Frequency.....	60	Attachments.....	
Enclosure.....	Drip Proof	Insul. Class....	F
Rated Efficiency	0.98		

Dimensions

Core Length.....	10.000	Slot Depth.....	1.000
Core Inner Dia.	1.000	# Ducts/Width...	0 0.000
Back Iron Depth.	1.000	# Holes/Diameter	0 0.000

CoreLoss Data

Test Setup

Target Tap..... 5.0 Target Flux..... 790

Meter Data

Flux..... 790.000 Amps..... 150.00 Watts..... 120.000

Results

Loss,Watts/lb... 3.720 Maximum Limit... 9.000
 BackIron Flux... 84946 Marginal Limit... 6.600 Used Dual Cables... No

Recommendations

Coreloss is within normal range.Check for and mark hot spots by raising amps to between 300 and 450. If no hot spots are found, the core is O.K.

Notes

Hot Spot Data

Test Setup

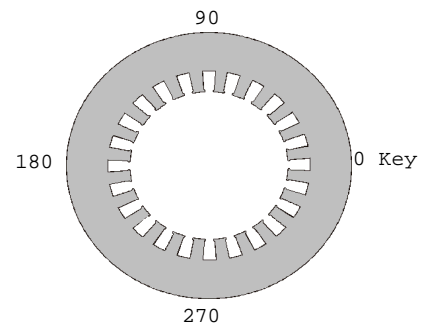
Target Tap..... 5.0V Target Amp Range 300 to 450

Results

Actual Amps..... 0.0 Duration,secs... 120

Radial Location by Number(0 degrees at conduit box
 Axial Location in inches from opposite output end

100°C, located at 36° to 63° from right horizontal with the conduit box at 0°, starting 1 in. from the opposite output shaft end and extending 2 in.



Reviewed By: _____

Date: _____