

Certificate No. 13339 *Africa Green*

CE, SCOTT & ELECTROMOTORS, LTD., MANCHESTER WORKS.

CERTIFICATE of TEST of MACHINE No. 185659

MXE5B

Shop Order 95784

Date of Test 20.2.50

Your Order No.

Description **Marine Type Screen Protected Drip Proof Trislot Squirrel Cage Induction Motor.**

Connected **Star Delta**

P. 7 K.V.A. Volts { Line 420 Rotor Phase 3 Period 50 Amps. { Line 11.0 Rotor R.p.m. 920

GQ.4438

TEST RECORD

Volts	AMPERES		KILO-WATTS			R.P.M.	Temp. Air	Power Factor
	1	2	1	2	Total			
400	11.2	11.2	2.0	4.4	6.48	970	18	.837
400	11.2	11.2	2.0	4.4	6.48	970	19	-
400	11.2	11.2	2.0	4.4	6.48	970	19	-
400	11.2	11.2	2.0	4.4	6.48	970	20	-
400	11.2	11.2	2.0	4.4	6.48	970	20	-
400	11.2	11.2	2.0	4.4	6.48	970	21	-
400	11.2	11.2	2.0	4.4	6.48	970	21	.837
420	11.1	11.1	2.0	4.4	6.48	970	21	.80
420	8.6	8.6	1.4	3.36	4.8	976	21	.769
420	6.4	6.4	.80	2.5	3.3	990	21	.70
420	13.5	13.5	2.5	25.36	7.88	960	22	.825
420	13.5	13.5	2.5	25.36	7.88	960	22	.825
O.K. on 50% overload 1 minute								
O.K. on 100% overload 15 seconds								
420	4.0	4.0	.98	.62	.36	1000		

FINAL TESTS

(Applied immediately after the Test Run)

(TEMPERATURE TEST Degrees ~~Fahr~~ Cent)

	STATOR		ROTOR		Slip Rings
	Wdg.	Iron	Wdg.	Iron	
Machine ...	45		47		
Air ...	21		21		
Temp. Rise...	24		26		

STARTING TORQUE TEST. Connected **Star**

Torque 30 ft. lbs. 420 Volts. 15 Amps.

OVERLOAD TEST.

An Overload of 100 % was applied for 15 ~~minutes~~ seconds

HIGH-PRESSURE TEST.

An alternating pressure of 2000 volts was successfully applied for one minutes.

INSULATION TEST.

(Measured by 500 volt "Megger")

To earth Between phases

Stator 100 megs 90 megs.
Rotor

GEAR DETAILS Size of Carbons "x"

" Quality

No. of Rings

No. per Ring

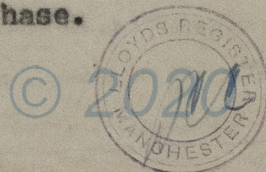
GENERAL NOTES

Hot Stator Resistance - 3.95 ohms per Phase.

Test at Test Mr Clayton

Certified by

W.G. Cornwell



Lloyd's Register Foundation
Testing Engineer

008628-008633-0143