

Certificate No. 13339

LLOYD'S REGISTER SCOTT &amp; ELECTROMOTORS, LTD., MANCHESTER WORKS.

**CERTIFICATE of TEST of MACHINE No. 185659**Size **MXB5B** Shop Order **95784** Date of Test **20-2-50** Your Order No.Description **Marine Type Screen Protected Protected Drip Proof Squirrel Cage Induction Motor.**Connected **Star/Delta**B.H.P. **7** K.W. **-** V.K.A. **-** Volts **Line 420 Rotor** Phase **3** Period **50** Amps. **Line 11.0 Rotor** R.p.m. **920**

G R528

**TEST RECORD**

Volts	AMPERES		KILO-WATTS			R.P.M.	Temp. Air °C	Power Factor
	1	2	1	2	Total			
400	11.2	11.2	2.04	4.44	6.48	970	18	.837
400	11.2	11.2	2.04	4.44	6.48	970	19	-
400	11.2	11.2	2.04	4.44	6.48	970	19	-
400	11.2	11.2	2.04	4.44	6.48	970	20	-
400	11.2	11.2	2.04	4.44	6.48	970	20	-
400	11.2	11.2	2.04	4.44	6.48	970	21	-
400	11.2	11.2	2.04	4.44	6.48	970	21	-
420	11.1	11.1	2.04	4.44	6.48	970	21	.80
420	8.6	8.6	1.44	3.36	4.8	976	21	.769
420	6.4	6.4	.80	2.5	3.3	990	21	.70
420	4.0	4.0	.98	.62	.36	1000		
420	13.5	13.5	2.52	5.36	7.88	960	22	.825
420	13.5	13.5	2.52	5.36	7.88	960	22	.825

50% Overload for 1 Minute

100% Overload for 15 Seconds.

**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  
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 phasesStator 100 megs 90 megs.  
Rotor megs.

BRUSH GEAR DETAILS Size of Carbons "x" Quality No. of Rings No. per Ring

GENERAL NOTES Hot Stator Resistance - 3.95 Ohms per Phase.

Certified by

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Lloyd's Register  
Foundation  
Testing Engineer

Present at Test Mr. Clayton.

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