

Fitted on board Inghis 1299 P.
Steering Gear
M.L.

D. C. TEST SHEET

Customer Messrs. Brown Bros. Ltd. Edinburgh, 7.						Machine No. D 67136	
Customer's Order No. A.8765						Design No.	
Remarks	Time	R.P.M.	SHUNT		Ohms. Ext.	LINE	
			Volts	Amps.		Volts	Amps.
No Load. Cold	10.00	615				110	4.4
	2.00	630				110	4.3
	2.5	595				110	4.3
	2.35	590				110	4.3
No Load. Hot		620				110	4.3
No Load Calculations		Armature Amps		40.64		Fields run until stabilised, then	
Total Amps		Fe + Fr + Shunt				armature put under load for half hour.	
Shunt		Brush Losses				Spare armature drop tested in course	
Arm.		C ² R. Arm/Int/Ser				of winding, it was flashed between	
Total Watts		Total Losses				top and bottom conductors with 2000	
Shunt		Input Watts				volts. Flashed after completion	
Arm.		Output Watts				with 2000 volts to earth.	
Arm/Int/Ser. C ² R		B.H.P.		4.98			
Fe + Fr		Efficiency %		77.5%			
Temperatures °F @ Full Load				Resistances in Ohms			
Where taken	Temp.	Air	Rise	Part	Cold	Hot	Temp. Rise
Armature Core	124	62	62	Shunt Coils	46.5		
Winding	122	62	60	Armature Winding	.14		
Commutator	110	62	48	Interpole	.058		
Interpoles	115	62	53	Series Winding			
Shunt Coils	116	62	54	High Voltage Test			
Series Coils				Volts 2000			
				Time 1 Minute			
				Commutation sparkless @	60		
				Insulation to Earth			
				15 Megohms.			
				Amperes.			



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