

# S.S. "SILVERLAUREL" - BOILER BLOWER MOTOR



THE SUNDERLAND FORGE & ENGINEERING COMPANY, LIMITED.

TEST OF DIRECT CURRENT MOTOR, SIZE 6".

For MESSRS. DAVIDSON & CO. LTD.

Order N.1201.  
160274/5.

OUTPUT PLATE STAMPED } 110 Volts 58.5 Amps 6.5 B.H.P. 2950 Revs.  
Continuous Rating Compound Wound, No F.5609B Date 1938.

## READINGS DURING TEST.

READINGS DONE						DATE OF TEST	12.5.38.
Time	Speed R.P.M.	LINE		SHUNT		Remarks	
		Volts	Amps.	Volts	Amps.		
<u>TEMPERATURE RUN.</u>							
8-15	2940	110	58.5	110	.72	Temps. taken "A".	Full Load. No Load.
8-45	2940	110	58.5	110	.72		
9-15	2945	110	58.5	110	.73		
9-45	2947	110	58.5	110	.75		
10-15	2947	110	58.5	110	.75		
10-45	2949	110	58.5	110	.75		
11-05	2951	110	58.5	110	.76		
11-45	2951	110	58.5	110	.76		
12-15	2951	110	58.5	110	.75		
	2950	110	58.5	110	.68		
	3350	110	15	110	.70		
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Temperatures taken by thermometers ...	Armature		Commutator		Shunt Coils		Series Coils		Interpole Coils	
	A	B	A	B	A	B	A	B	A	B
Maximum Temperature recorded ...	102		101		87		91		94	
Air Temperature ...	69		69		69		69		69	
Temperature Rise in °F	33		32		18		22		23	
			Before Temperature Run				After Temperature Run			
			2000 Volts for 1 min.				2000 Volts for 1 min.			
High Pressure Test on Motor ...			2000 Volts for 1 min.				2000 Volts for 1 min.			
Insulation Resistance of Motor ...			100 Megohms				100 Megohms			

Date 6/3/39

Signed

*[Signature]*

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