

SUNDERLAND RPT. NO. 35367  
KYLE

Order No. RN 12741

Job No. D.9265

Date 15th DECEMBER 1950

RUSSELL NEWBERRY & CO. LTD.

## PARTICULARS OF TEST

TYPE VENTILATED ENCLOSED LOUVERED RATING CONTINUOUS

GENERATOR MACHINE No. 12149

SIZE No. 7A

OUTPUT 136.5 AMPS. 15 K.W. 110 VOLTS 1040 R.P.M. LIGHT  
B.H.P. 110 1000 R.P.M. LOADED

STYLE OF WINDING COMPOUND

DATE OF TEST 14th FEBRUARY 1951. LENGTH OF RUN

Half Hour Full Load.  
Six Hours Full Load.  
Two Hours 25% O/L.  
One Minute 50% O/L.

AMPS.	VOLTS	R.P.M.	B.V.	DIRECTION OF ROTATION	REMARKS
0	138	1040			Max. volts cold. No Resistance in field. Shunt current = 3.8 amp
0	110	1040			Starting figures cold. Regulator set.
137	113	1000			Shunt current = 1.9 amp
0	110	1040			Final figures warm. Regulator set.
137	110	1000			Shunt current = 1.85 amp
0	132	1040			Max. volts warm. No Resistance in field. Shunt current = 3.2 amp
137	127	1000			
TWO HOURS @ 25% OVER LOAD.					
171	110	1000			
171	110	1000			
ONE MINUTE @ 50% OVER LOAD.					
205	110	1000			Commutation O.K.

TO RUN

Counter Clockwise

3.0 p.m.

TEMPERATURE: ATMOSPHERE FAHR.

COMMUTATOR

ARMATURE AND POLE PIECE

ARMATURE BACK END

SHUNT

SERIES

INTERPOLES

55

107

109

107

110

Rise

Fahr.

52

54

52

55

LOOKING AT COMMUTATOR END

INSULATION RESISTANCE

HOT 20 MEGOHMS

COLD 30 MEGOHMS

NAME-PLATE SPEED 1000 R.P.M.

2000 VOLT A.C. TEST (One Minute)

SHUNT TESTED WITH REGULATOR No.

per pro. DAVID McCLURE, Ltd.

D McCLURE, Ltd., Electrical Engineers, Range Road, Adswold, STOCKPORT.

14504343-0347