

# THE MACFARLANE ENGINEERING CO. LTD.

## NETHERLEE ROAD, CATHCART

### GLASGOW

Job No. 30730/E.

### TEST SHEET

Type Alternator.

rs. Ruston & Hornsby Ltd. C.W.

Rotation ~~Common~~ S.R./Shaft End of Gen./Motor

A.C. and/or ALTERNATOR		D.C. MOTOR and/or GENERATOR/EXCITER	
P.F. .8	Volts 440/250 Ph. 3	H.P./KW	Volts 28 Speed 3000
Syn. Speed 1000		Arm. Amps.	Shunt Amps.
FL Amps. 82		Machine Amps. 60	
on.....Connection		Int/Comp. Resist. (Hot)	
Rotor/Field Amps.		Series Resist. (Hot)	
Stat/Rot. O.C. V ratio...../.....		Shunt Resist. (Hot)	
A.C. .04"		A.G. .015"	A.G. Interpoles
No. Ohms...../.....Amps...../.....		Regl. Berco T50	Ohms - / 58 Amps /
Field.....		Note:	
F.V.	Rating Cont.	Starter.....	
		Enclosure D.P.F.V.	Rating Cont.

Control Amps.	Speed	Volts	Amps	
0.5	1000	26	60	Cold
0.5	1000	28	60	Hot
Full Load/No Load Regulation.				
Regulator Range.				
Temperature Rise - Alternator 57°F.				
" " - Exciter 74°F.				
otation A - B - C.				
ay Full Load 86%				
Half Load 82%				



Final Airgap	
Amps FL 82	Amps. NL 22
Volts FL 440	Volts NL 10
Speed FL 1000	Speed NL 3000
Sh. Cir. Amps. 9	Insulation to Frame 2000
Megohms 2000	Flashed to Frame 2000
Volts 50 1 Mins	Brushes 4-1/2" x 1/2" 3500 4-1/2" x 1/2" 1612K
1" x 1/2" EGO	Commutation Good.
Type T50	Starter
Type T50	Regulator
Ohms 58	Range Ohms
Volts 481	Volts



D.C.  
MOTOR and/or GENERATOR

H.P./KW..... Volts.....

Arm. Amps..... Shunt.....

Machine Amps.....

Int/Comp. Resist. (Hot).....

Series Resist. (Hot).....

Shunt Resist. (Hot).....

A.C. Poles..... A.C. Inter.....

Reglr..... Ohms...../.....

Note: .....

Starter.....

Enclosure.....

Final Airgap

### Final Airgap

Amps. NL.....	Amps.
Volts NL.....	Volts
Speed NL.....	Speed
Insulation to Frame.....	
Flashed to Frame.....	Volts
Brushes.....	
Commutation.....	
Starter.....	Type
Regulator.....	Type
Range.....	Ohms / Ohms ;

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Lloyd's Register  
Foundation

Tested by R. McB. Date 30/1

Date ... 30/12