

MAWDSLEY'S LIMITED, DURSLEY, GLOS.

TEST SHEET on COMPOUND GENERATOR

Ref. D.C.10555 Order No. 1688 Frame 80S No. 1743

For Russell & Newbery

Type Drip Proof Rating Continuous Fan Yes

Volt 220 Total Amps 22.8 H.P. - K.W. 5 Speed 1000

Time	Input Volts	Arm. Input Amps	Output		Field		Speed	Brush Position	H.P.	Remarks
			Volts	Amps	Volts	Amps				
			220	0	159	.96	1030			No load reading
2.35			220	22.8	159	.96	1000			Full Load
3.05			220	22.8	166	.97	1000			" "
3.35			220	22.8	172	.97	1000			" "
4.05			220	22.8	176	.98	1000			" "
4.35			220	22.8	178	.98	1000			" "
5.35			220	22.8	180	.98	1000			" "
6.35			220	22.8	181	.98	1000			" "
7.35			220	22.8	182	.98	1000			" "
8.35			220	22.8	182	.98	1000			" "
			220	-	182	.98	1030			No load hot
			280	-	280	1.51	1030			Max. volts
			220	22.8	220	1.18	915			Full Field
			220	34.2	-	.98	1000			50% overload
	210	1.4				.98	1000			No load as Motor Hot

Armature Resistance	} .69 ohms	Rotation	Clock Comm. End
Interpole Resistance			Anti-Clock Comm. End
Series Starting Resistance			Reversing
Compound Resistance			

Remarks on Test:—

Bearings, Balance & Commutation satisfactory.

Bearings (Type) B. & F. Date 8.11.39
 Brush gear Type Zone No. of Lines 4 Size 7/8 x 3/8 Holders/line 1 Grade EG3

	Temp. °F	Rise	Tested by:— J. Norris	I.R. to earth 30 megohms
Armature	126	58		
Shunt	124	56	In Presence of:— H.E. Smith	I.P. to shunt 40 megohms
Compound	116	48		Shunt Compound 20 megohms
Interpole	111	43		Flash Volts 2000 A.C.
Comm.	112	44		Time 1 min.
Frame	68			
Air				