

M/S 283

COPY OF TEST ON GENERATOR NO. D. 22984.

ENCLOSED VENTILATED DRIP-PROOF MOTOR.

COMPOUND INTERPOLE GENERATOR.

Continuous rated 12 Kilowatt 220 Volts 54.5 Amps 500 R.P.M.

Resistance Armature Winding	cold	--	.23	ohm.
" Interpole "	"	--	.05	"
" Compound "	"	--	.022	"
" Shunt "	"	--	180	ohms.

Heat run for 6 hours on load 220 Volts 54.5 Amps 500 R.P.M.

Temperature rise Armature Core	68°F.
" " Winding	63°F.
" " Commutation	61°F.
" " Interpole coils	48°F.
" " Compound	51°F.
" " shunt coils	55°F.

COMPOUND TEST HOT

<u>SPEED</u>	<u>FIELD AMPS</u>	<u>LINE AMPS</u>	<u>LINE VOLTS.</u>
500	.85	0	220
500	.90	54.5	231.5

FULL LOAD EFFICIENCY. 83.56%

HIGH VOLTAGE TEST (HOT) 2000 Volts for 1 minute.

INSULATION RESISTANCE (HOT) 2 megohms.

COMMUTATION TEST Commutation sparkless at 66 Amperes.

DB/sMcR
24.11.38

Messrs. Dodman Ltd.,

Handwritten signature: R. Cummings



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