

CAMPBELL & ISHERWOOD LTD.,

MACHINE No. 9472

CERTIFICATE No. 16651 T.S.

DATE OF TEST 3/1/35

RALEIGH STREET WORKS,
BOOTLE,
LIVERPOOL.

CERTIFICATE OF TEST

NAME :- MESSRS W. DOXFORD & SONS LTD

ORDER NO :- H.5832 STOCK ORDER NO :- S.B.2465

SIZE :- 1100 M. TYPE :- OPEN COMP. WD. SINGLE BRG. C.C. GENERATOR

OUTPUT :- 12.5 K.W. 110 VOLTS 113.6 AMPS 375 R.P.M. CONT. RATING.

PARTICULARS OF LOAD TEST

TIME	9:00	9:00	9:00	9:30	10:00	10:30	11:00	11:30	12:00	12:30	1:00	1:30	2:00	2:30	3:00	3:00
P.M.	346	346	350	353	356	358	360	362	364	366	367	368	369	371	372	372
VOLTS	110	113	110	110	110	110	110	110	110	110	110	110	110	110	110	107
FIELD CURRENT	0	113	113	113	113	113	113	113	113	113	113	113	113	113	113	0
ARMATURE CURRENT	3.4	3.45	3.42	3.4	3.35	3.3	3.2	3.1	3.05	3.00	3.00	2.9	2.85	2.8	2.8	2.8

HEATING	TEMP. AFTER 6 HRS. RUN	
ATMOSPHERE	59° F.	RISE
ARMATURE COILS F.E.	115° F.	56° F.
ARMATURE COILS B.E.	116° F.	57° F.
ARMATURE CORE	128° F.	69° F.
COMMUTATOR	112° F.	53° F.
SHUNT COILS	107° F.	48° F.
SERIES COILS	101° F.	42° F.

INSULATION RESISTANCE TO EARTH		
	COLD	HOT
ARMATURE	15 MEG.	4 MEG.
SHUNT COILS	INF.	25 MEG.
SERIES COILS	50 MEG.	15 MEG.
COMPLETE MACHINE	15 MEG.	5 MEG.

CAMPBELL & ISHERWOOD LTD
ELECTRICAL AND MECHANICAL
ENGINEERS
BOOTLE, LIVERPOOL.
DRAWING OFFICE
DATE 4 APR. 1935
CHECKED BY