

TELEPHONE NO. BOOTLE 1474

TELEGRAMS "PRESSURE," LIVERPOOL

3 W

## CAMPBELL &amp; ISHERWOOD LTD.,

MACHINE No. 9471

RALEIGH STREET WORKS,  
BOOTLE,  
LIVERPOOL.

an CERTIFICATE No. 16650 T.S.

DATE OF TEST 4/1/35

## CERTIFICATE OF TEST

NAME - MESSRS W. DOXFORD &amp; SONS LTD

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

NAME SIZE - 1100M 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
R.P.M.	356	356	356	358	360	362	364	366	368	370	371	372	372	373	373	373
VOLTS	110	112	110	110	110	110	110	110	110	110	110	110	110	110	110	106
LOAD CURRENT	0	113	113	113	113	113	113	113	113	113	113	113	113	113	113	0
SHUNT CURRENT	3.3	3.5	3.45	3.4	3.35	3.3	3.2	3.15	3.1	3.1	3.05	3.05	3.00	3.00	2.95	2.9

HEATING	TEMP. AFTER 6 HRS. RUN	
ATMOSPHERE	62°F.	RISE
ARMATURE COILS F.E.	117°F.	55°F.
ARMATURE COILS B.E.	116°F.	54°F.
ARMATURE CORE	132°F.	70°F.
COMMUTATOR	120°F.	58°F.
SHUNT COILS	112°F.	50°F.
SERIES COILS	107°F.	45°F.

INSULATION RESISTANCE TO EARTH		
	COLD	HOT
ARMATURE	20 MEG.	5 MEG.
SHUNT COILS	INF.	50 MEG.
SERIES COILS	INF.	50 MEG.
COMPLETE MACHINE	18 MEG.	10 MEG.

CAMPBELL &amp; ISHERWOOD LTD

ELECTRICAL AND MECHANICAL

ENGINEERS

BOOTLE, LIVERPOOL.

DRAWING OFFICE

DATE 4 APR. 1935

CHECKED BY

W1197-0159

Earth Testing, state what means are provided at the main switchboard for indicating the state

Switches. Circuit Breakers