MODEL	VOLTAGE RANGE		SPECIFICATIONS				REGULATION (TAPS 2-5)					TAPS (VOLTS) #				LOAD		TAP SET S/116	PRIM. CURRENTS		MIN. SAFE CURRENT	FILAMENT TRANSF. TAPS			HEATRISE ON PLATE TRANSF.		CAPACITANCE				CHOKE NUMBER	COMPUTED C		CAPAC. USED	MODEL	FUSES		TUBE TYPE	TUBE RATINGS (SEE NOTE ** BELOW)
			VOLT	MIN. + I	MAX. I	REG.	I	V	I	V	%	1-2	2-3	4-5	5-6	BLEEDER	MAX. (ESTIMATED)		FILAMENT	PLATE	INTER-PHASE	OSCILL.	HIGH	MEDIUM	LOW	I	°C	FOR 1% RIPPLE	FOR SURGE ΔI	FOR SURGE ΔV	FOR SURGE C		RIPPLE	SURGE			FILAMENT	‡ PLATE		
A	+550	+280	270	23	31	± 5	23	275	31	272	± ½	2	3	6	6	24.0	28.	1-5	1.5	20	0.7	—	2.56	2.49	2.43	31	49.5	1000	—	—	—		1943	400	1	16 x 125	A	3.0	20 FUSE.	C6J	60
B	+285	+150	135	6	10	± 5	6.5	139	10	136	± 1.1	1	2	5	4	6.5	8	2-6	0.6	3.2	0.6	—	2.53	2.46	2.40	10	30	500	—	—	—		1990	50	1	24500	B	1.3	3.2 FUSE.	4B25	10
C	+150	+110	40	0.2	9	± 2½	1.2	44.5	10	41.3	± 3.9	1.5	2.5	4	4	1.9	8.2	2-6	0.6	1.0	—	1.2	2.56	2.48	2.42	18	20	4000	1.5	2	4000		1953	125	12.000	8 x 2000	C	1.3	1.0 FUSE.	4B25	10
D	+110	+75	35	3	15	± 2½	4.4	37.5	15	35	± 3.5	1	1	3	4	5.0	12.5	1-5	0.6	1.6	—	1.5	2.55	2.48	2.42	15	21	6000	1.5	1.75	24,000		1953	200	16,000	24 x 2000	D	1.3	1.6 FUSE.	4B25	18
E	+75	+20	55	0.3	13	± 2½	1.7	54	14	54	± 4.5	2	1	6	4	2.6	12.6	1-5	0.6	2.3	—	1.25	2.54	2.47	2.44	14	27	3000	2	2.75	6000		1984	250	6000	24 x 500	E	1.3	3 REN.	4B25	25
F	+110	-85	195	0.4	19.2	± 2½	0.4	209	17.2	138	± 3	2	3	7	6	1.1	15	2-5	1.5	7.9	0.3	—	2.54	2.48	2.42	122	41	1000	—	—	—		1871	150	—	15 x 125	F	3.0	8 FUSE.	C6J	65
G	+100	-150	250	2.3	4	± 2½	2.3	252	6	247	± 1	3	3	7	9	2.3	4.5	3-5	0.4	3.0	0.9	—	2.43 2.55*	2.43 2.48*	— 2.42*	6	28	875	—	—	—		1965	125	—	16 x 125	G	1.3	3.2 FUSE.	4B25	30
H	+50	-150	180	2	25	± 2½	7	190	25	184	± 1.5	3	2	5	6	4.6	21.6	2-6	1.5	10.3	0.75	—	2.58	2.50	2.44	25	50	950	—	—	—		1943	400	—	12 x 125	H	3.0	10 FUSE.	C6J	35
I	+25	-190	205	18.5	38.4	± 5	22.5	210.5	38.4	207	± 0.9	2	3	5	4	23	35	2-6	1.5	19.4	—	1.5	2.53	2.48	2.43	38.4	50	1875	—	—	—		1954	400	—	25 x 125	I	3.0	25 FUSE.	C6J	85
J	-125	-180	55	3.5	5.5	± 2½	3.5	59.3	5.5	58	± 1.1	1.5	1.5	3.5	3.5	3.6	5.1	2-6	0.4	0.75	—	0.8	2.54	2.49	2.42	5.5	20	2000	—	—	—		1945	125	—	8 x 500	J	1.3	1 NON	4B24	6
K	-200	-235	35	0.2	10	± 2½	1.7	42.3	11	37	± 4	1.5	1	2.5	6.5	2.3	7.6	2-6	0.6	0.9	—	1.2	2.55	2.48	2.42	11	20	2000	0.6	1.75	1500		1953	150	2500	8 x 250	K	1.3	1 FUSE.	4B25	10
L	-235	-295	60	9	13.2	± 2½	9	62.5	13.2	60	± 2	1	1	3	3	9.7	14.2	2-6	0.6	2.6	—	1.3	2.56	2.49	2.42	19.2	35	2000	0.6	3	1000		1953	200	800	8 x 500	L	1.3	3 REN.	4B25	15
M	-295	-360	65	18	32	± 2½	16	64	32	60.5	± 3	1	1	2	1.5	18.7	26.7	2-4	1.5	5.4	—	0.8	2.54	2.47	2.42	32	47	5500	0.6	3.25	1500		1943	400	800	24 x 500	M	3.0	6 REN.	C6J	20
N	-360	-450	90	14	23	± 2½	7.4	91	29	87	± 2.3	1	1.5	3.5	3	17	25	3-5	1.5	6.7	—	1.0	2.53	2.48	2.43	29	30	2530	—	—	—		1943	400	—	12 x 500	N	3.0	8 FUSE.	C6J	40
O	-450	-555	105	0.5	6	± 2½	1.1	110	6.5	107.5	± 1.2	1.5	0.5	3.5	3.5	1.6	5.5	2-4	0.4	1.8	—	1.8	2.45 2.54*	2.38 2.48*	— 2.42*	6.5	20	1510	—	—	—		1953	125	—	6 x 500	O	1.3	2 FUSE.	4B25	15
P	-295	-475	185	3	10	± 2½	3	190	10	184	± 1.5	2	2	6	6	2.9	7	1-5	0.6	3.6	0.4	—	2.57	2.47	2.43	10	37	250	—	—	—		1970	50	—	4 x 125	P	1.3	4.0 FUSE.	4B25	
Q	-245	-320	80	1	5	± 2½	1	86	5	82.5	± 2.1	1	1.5	3.5	3.5	1.8	3.5	2-6	0.4	0.9	—	1.1	2.52	2.48	2.40	5	16	2000	0.8	4	1000		1965	125	900	8 x 500	Q	1.3	1 FUSE	4B24	10
R	+20	-40	60	0.1	4	± 2½	1.2	62.5	5	57.5	± 2.5	1	1	3.5	3.5	1.2	4.2	1-5	0.4	0.8	—	0.6	2.55	2.51	2.41	5	18	4500	—	—	—		1965	125	—	12 x 500	R	1.3	1 FUSE.	4B25	7
S	-130	-175	45	0.1	4	± 2½	1.4	48	5	47	± 1.1	1	1.5	3	3	2.2	5.0	3-6	0.4	0.75	—	1.1	2.52	2.48	2.42	5	16	8500	—	—	—		1965	125	—	32 x 500	S	1.3	1 FUSE.	4B25	10
T	+225	0	225	0.2	9	± 5	1	232	9	224	± 1.8	3	2	6	6	1.2	7	3-6	1.5	4.5	0.6	—	2.53	2.48	2.41	9	30	625	5	22.5	2000		1940	100	1000	17 x 125	T	3.0	8 FUSE.	C6J	60
U	-120	-345	225	0.1	2	± 5	0.1	233	2	225	± 1.8	2	2	7	5	0.1	1.2	2-6	0.4	0.8	0.05	—	2.56	2.50	2.44	2	18	125	—	—	—		1949	25	—	2 x 125	U	1.3	1 NON	4B24	3
V	+55	0	55	0.6	30	± 5	3.4	59	31.7	55	±3.3	1.5	2	4.5	3	3.6	32	2-5	1.5	5.7	*	*	2.51	2.45	2.37	32	31.5	2.5 mfd 21,000	28.5	5.5	24,000	FU57		30,000	64 x 500	V	3.0	6.0 NON	C6J	70
W	+200	+20	180	4.5	7.5	± 5	4.5	180	7.5	171	±0.8	2	2	5	5	4.5	7	3-5	0.4	3.75	—	2 (SOURCE)	2.43 2.51*	2.39 2.51*	— 2.45*	7.5	25	2000	2.3	18	—		1953	125	300	22 x 125	W	1.3	6¼ FUSE.	4B25	22
X	-180	-200	20	0.1	4.5	± 2½	2	21.5	5.5	20	±3.8	1.1	1.1	5.6	4.7	2.75	6.5	2-5	0.4	0.6	—	0.5 2.5 (REGAL)	2.52	2.42	2.38	7.5	21	12,000	—	—	—		1965	125	—	7 x 500	X	1.3	1 FUSE.	4B24	8
Y	+20	0	20	0.2	9	± 2½	2	22	10	19	±8	±1.3	1.3	2.7	5.6	2.25	8.5	1-5	0.6	0.8	—	1.2	2.54	2.46	2.42	10	22	10,000	0.8	1	2000		1953	125	13,000	7 x 1500	Y	1.3	1 NON	4B25	8
Z	-85	-115	30	0.03	0.05	± 2½	0	30.9	0.005	29.9	±1.5	—	—	—	—	0.03	0.035	—	0.03	—	—	—	4.84	4.74	4.58	0.05	14	—	—	—	—		—	—	—	1 x 125	Z	0.11	——	5Y4G	—
AA	-555	-620	65	1.	2.5	± 2½	1	68.5	2.5	67.5	±0.7	1.5	1.	4.5	4.5	1.2	1.8	3-6	0.4	0.4	—	0.55	2.55	2.50	2.42	2.5	15	3,030	—	—	—		1965	125	—	12 x 500	AA	1.3	1 FUSE.	4B24	6
BB	-620	-815	195	3	5	± 5	3	198	5	194	±1	2	3	6	5	3.2	4.2	1-5	0.4	2.2	0.6	—	2.41 2.52*	2.35 2.48*	— 2.42*	5	16	875	—	—	—		1965	125	—	4 x 125	BB	1.3	2.5 FUSE	4B25	18
CC	-725	-920	195	1.	2.5	± 2½	1.1	200	2.5	197	±.025	2	3	5	6	1.2	1.6	2-6	0.4	1	0.7	—	2.44 2.54*	2.39 2.48*	— 2.42*	2.5	18	1250	—	—	—		1965	125	—	24 x 125	CC	1.3	1.6 FUSE.	4B25	15

NOTE- ALL UNITS ARE INSULATION TESTED AT 2000 V. HEAT RISE WAS MEASURED IN THE SPACE BETWEEN THE COILS OF EACH PLATE TRANSFORMER. "MINIMUM SAFE CURRENT" IS THAT CURRENT THROUGH THE LOAD AT WHICH, EITHER THE INTERPHASE TRANSFORMER CEASES TO FUNCTION PROPERLY OR OSCILLATION TAKES PLACE IN THE VOLTAGE ACROSS THE LOAD, WHICHEVER OCCURS AT THE LARGER VALUE OF CURRENT.

SEC. VOLTS CHANGE CAUSED BY CHANGING PRIM. TAPS INDICATED, E.G. MODEL A: SHIFTING PRIM. FROM TAPS 185 TO 245 RAISES SEC. VOLTAGE 2 VOLTS. TEST MADE FOR MAX. I CONDITION.

* SOME TUBES FAIL TO IGNITE BELOW 6 AMPERES; ACTS LIKE CONDENSER INPUT FILTER BELOW 12 AMPERES.

** VOLTAGE OUTPUT WHEN 4B24'S WERE USED. THE TEMPERATURE RISE ON THESE TRANSFORMERS WHEN LOADED WITH 4B25'S WAS 25°C.

** SURGE RATINGS PER TUBE
C6J - 77 AMPERES
4B25 - 25.4 AMPERES
4B24 - 10 AMPERES

‡ NON-NO-TIME-DELAY TYPE FUSE.- BUSS FUSETRON
REN. - RENEWABLE SUBSIDIARY

REVISIONS

1	REVISIONS ON BLEEDER LOAD, MAXIMUM LOAD E-PLATE CURRENTS, TWO COLUMNS HEADED "FUSES" ADDED.	J.W.M. 6-8-45
2	SOCKET CIRCUIT AND TUBE TYPE COLUMNS ADDED. FIL. VOLTS, TAP DATA ADDED FOR C, G, H, I, J. NO. OF GRIDS CHANGED FOR C.	J.W.M. 7-26-45
3	CORRECTED FUSE PLATE COL.	Q.V.B. 10/11/45
4	PLATE FUSE ON BB SUPPLY WAS 2.0 FUSETRON.	J. Rot. Wilbur 12-28-45
5	NOTE ADDED.	J. Rot. Wilbur 1-2-46
6	MODEL T CAPACITANCE WAS 36X125.	J. Spencer 7-17-46
7	NOTE RE: TAPS ADDED.	F.E. Mitchell 10-21-46
8	CHANGES ON FET SUPPLIES. FILAMENT FUSE SIZE AND TUBE TYPE ADDED. FIL PRIMARY CURRENT WAS 0.6 AMPS.	E. Rex Mitchell 12-6-46

MOORE SCHOOL OF ELECTRICAL ENGINEERING
UNIVERSITY OF PENNSYLVANIA

POWER SUPPLY DATA CHART

MATERIAL / FINISH /

DRAWN BY	CHECKED BY	APPROVED BY	PX-13
JLP 5/12/45	J.R.C.	Q.V.B.	