

# **K4XL's** **BAMA**

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STARK ELECTRONIC INSTRUMENTS LIMITED  
AJAX ONTARIO

SUPPLEMENTARY TUBE TEST DATA FOR THE

MUTUAL CONDUCTANCE TUBE TESTER

MODEL 9-66

ENGINEERING DEPARTMENT

SUPP-August 31st, 1958

STARK ELECTRONIC INSTRUMENTS LIMITED  
AJAX ONTARIO

SUPPLEMENTARY DATA FOR AMERICAN TUBES

Note: A few tubes that are listed on the chart or booklet are also listed in the supplement. These are corrections and the listings in the supplement should be used.

Tube Type	File	Sel	Bias	Eng	Push	Jan Min	AV G. M.	Notes
1K3	1. 1	JR-0000-0	0	0	P5*	-	-	Cap=P-OK above 500 on 3000 scale
4BZ6	4. 3	JR-3562-7	20	78	P4	1575	2500	
4CS6	4. 3	JR-7562-3	Use this setting for short check only.					
	4. 3	JR-3602-7	43	35	P4	505	800	
4DE6	4. 3	JR-3562-7	22	75	P4	1385	2200	
5AR4	5. 0	HR-0600-0	0	75	P3*	-	-	Plate No. 1
	5. 0	HR-0400-0	0	75	P3*	-	-	Plate No. 2
5EA8	5. 0	EV-2637-0	19	78	P4	1575	2500	Pent. Sect.
	5. 0	EV-9108-0	19	85	P4	2390	3800	Triode Sect.
5EH8	5. 0	EV-7986-0	20	75	P4	1450	2300	Pent. Sect.
	5. 0	EV-2301-0	22	86	P4	2580	4100	Triode Sect.
6BR5	6. 3	EV-1902-0	Vary	100	P5*	-	-	Connect a 1 MEG. from plate jack to octal test socket pin #8, vary bias to vary beam angle.
6CB5	6. 3	JR-5023-0	60	88	P4	2770	4400	
6CH6	6. 3	EV-2783-9	19	88	P4	3215	5100	
6CK4	6. 3	JR-2507-0	44	89	P4	3465	5500	
6CL5	6. 3	JR-4023-0	55	90	P4	3150	5000	Cap=P
6CW5	6. 3	EV-2793-0	35	92	P4	3780	6000	
6DA4	6. 3	JX-0503-0	0	64	P3*	-	-	
6DC8	6. 3	EV-2613-9	12	84	P4	2640	4000	Pentode Sect.
	6. 3	EV-0703-0	0	30	P1*	-	-	Diode Sect.
	6. 3	EV-0803-0	0	15	P1*	-	-	Diode Sect.
6DL5	6. 3	JR-3562-0	24	80	P4	2015	3200	
6DN7	6. 3	JX-4506-0	24	73	P4	1260	2000	Triode No. 1
	6. 3	JX-2103-0	20	90	P4	4725	7500	Triode No. 2
6DQ5	6. 3	JR-2043-0	61	88	P4	3275	5200	Cap=P

Tube Type	File	Sel	Bias	Eng.	Push	Jan Min.	AV G. M.	Notes
6DW5	6.3	EV-3917-0	50	87	P4	2835	4500	
6DT5	6.3	EV-3917-0	31	89	P4	3530	5600	
6DT8	6.3	EV-7608-9	10	86	P4	2640	4000	Triode No. 1
	6.3	EV-2103-9	10	86	P4	2640	4000	Triode No. 2
6EA8	6.3	EV-2637-0	19	78	P4	1575	2500	Pent. Sect.
	6.3	EV-9108-0	19	85	P4	2390	3800	Triode Sect.
6EB8	6.3	EV-7986-0	19	87	P4	3025	4800	Pent. Sect.
	6.3	EV-2301-0	19	55	P4	755	1200	Triode Sect.
6EH8	6.3	EV-7986-0	20	75	P4	1450	2300	Pent. Sect.
	6.3	EV-2301-0	22	86	P4	2580	4100	Triode Sect.
6EW6	6.3	JR-3562-7	23	72	P4	1325	2100	
7EY6	7.5	JR-5347-0	30	87	P4	2770	4400	
8CX8	7.5	EV-7986-0	16	90	P4	3780	6000	Pent. Sect.
	7.5	EV-2301-0	24	73	P4	1260	2000	Triode Sect.
9DZ8	10.0	EV-3672-0	29	89	P4	3465	5500	Pent. Sect.
	10.0	EV-1908-0	25	0	P4	315	500	Triode Sect.
11CY7	10.0	EV-7608-0	23	0	P4	315	500	Triode No. 1
	10.0	EV-2109-0	63	86	P4	2640	4000	Triode No. 2
12AS5	12.6	JR-2763-0	26	89	P4	3530	5600	
12CX6	12.6	JR-2657-3	0	0	P1*	-	-	Make no gas test.
12DE8	12.6	EV-7869-1	0	0	P1*	-	-	Pent Sect. OK above diodes OK Make no gas test
	12.6	EV-0302-0	0	59	P1*	-	-	Diode Sect.
12DF7	12.6	EV-7608-0	12	58	P4	790	1250	Triode No. 1
	12.6	EV-2103-0	12	58	P4	790	1250	Triode No. 2
12DK7	12.6	EV-0372-1	0	16	P1*	-	-	Tetrode Sect. Make no gas test
	12.6	EV-0602-0	0	0	P1*	-	-	Diode No. 1 OK above 500 on 3000 scale.
12DK7	12.6	EV-0902-0	0	0	P1*	-	-	Diode No. 2 OK above 500 on 3000 scale.
12DL8	12.6	EV-0362-7	0	55	P1*	-	-	Tetrode Sect. Make no gas test.
	12.6	EV-0908-0	0	0	P1*	-	-	Diode No. 1
	12.6	EV-0108-0	0	0	P1*	-	-	Diode No. 2

Tube Type	Fil.	Sel	Bias	Eng.	Push	Jan Min.	AV G. M.	Notes
12DQ7	12.6	EV-2781-3	14	91	P4	4725	7500	
12DT5	12.6	EV-3917-0	31	89	P4	3530	5600	
12DT8	12.6	EV-7608-9	10	86	P4	2640	4000	Triode No. 1
	12.6	EV-2103-9	10	86	P4	2640	4000	Triode No. 2
12DW5	12.6	EV-3917-0	50	87	P4	2835	4500	
12DV8	12.6	EV-0362-7	0	59	P1*	-	-	Tetrode Sect. Make no gas test
	12.6	EV-0908-0	0	0	P1*	-	-	Diode No. 1
	12.6	EV-0108-0	0	0	P1*	-	-	Diode No. 2
12DY8	12.6	EV-0362-1	0	34	P1*	-	-	Tetrode Sect. Make no gas test.
	12.6	EV-0807-9	0	0	P1*	-	-	Triode Sect. OK above 500 on 3000 scale.
12DZ6	12.6	JR-2657-3	0	23	P1*	-	-	Make no gas test
12EA6	12.6	JR-2657-3	0	11	P1*	-	-	Make no gas test
12EC8	12.6	EV-0768-9	0	0	P1*	-	-	Pent Sect. Make no gas test. OK above 600 on 3000 scale
	12.6	EV-0203-1	0	0	P1*	-	-	Triode Sect. Make no gas test. OK above 700 on 3000 scale.
12EG6	12.6	JR-7652-3	0	0	P1*	-	-	Make no gas test
12EK6	12.6	JR-2657-3	0	17	P1*	-	-	Make no gas test
12EL6	12.6	JR-0207-3	0	0	P1*	-	-	Triode Sect OK above 150 on 3000 scale. Make no gas test.
	12.6	JR-0607-0	0	0	P1*	-	-	Diode No. 1 OK above 500 on 3000 scale.
	12.6	JR-0507-0	0	0	P1*	-	-	Diode No. 2 OK above 500 on 3000 scale.
12EM6	12.6	EV-0362-1	0	16	P1*	-	-	Tetrode Sect. Make no gas test
	12.6	EV-0902-0	0	0	P1*	-	-	Diode Sect. OK above 500 on 3000 scale.

Tube Type	Fil	Sel	Bias	Eng.	Push	Jan Min.	AV G.M.	Notes
12EN6	12.6	JR-5347-0	40	89	P4	3780	6000	
12EZ6	12.6	JR-2657-3	0	0	P1*	-	-	OK above 1100 on 3000 scale. Make no gas test
17BQ6	20.0	JR-5047-0	50	87	P4	2835	4500	Cap=P
18DZ8	20.0	EV-3672-0	29	89	P4	3465	5500	Pent Sect.
	20.0	EV-1908-0	25	0	P4	315	500	Triode Sect.
19AQ5	20.0	JR-3562-0	21	85	P4	2330	3700	
35C3	35.0	JR-0507-0	0	55	P3*	-	-	
35DZ8	35.0	EV-3672-0	29	89	P4	3465	5500	Pent Sect.
	35.0	EV-1908-0	25	0	P4	315	500	Triode Sect.
50DC4	50.0	JR-0507-0	0	64	P3*	-	-	
CK535AX	1.1	DV-4120-0	64	0	P5*	-	-	OK above Diodes OK
1641	5.0	JR-0000-0	0	40	P3*	-	-	Left Cap=P
	5.0	BY-0000-0	0	40	P3*	-	-	Right Cap=P
5838	12.6	JR-0507-0	0	45	P3*	-	-	Plate No. 1
	12.6	JR-0307-0	0	45	P3*	-	-	Plate No. 2
5854	1.1	DV-4120-0	43	73	P4	252	400	Micromhos only OK above 250 on 3000 scale.
5931	5.0	HR-0600-0	0	35	P3*	-	-	Plate No. 1
	5.0	HR-0400-0	0	30	P3*	-	-	Plate No. 2
5932	6.3	JR-5347-2	23	88	P4	3150	5000	
6028	20.0	JR-3562-0	24	65	P4	945	1500	
6096	6.3	JR-3562-0	24	65	P4	945	1500	
6098	6.3	GX-8352-0	34	89	P4	3400	5400	
6099	6.3	JR-5207-0	20	81	P4	1890	3000	Triode No. 1
	6.3	JR-6307-0	20	81	P4	1890	3000	Triode No. 2
6100	6.3	JR-6307-0	24	75	P4	1385	2200	
6147	2.5	HR-8360-0	30	67	P4	1000	1600	
6188	6.3	JX-4506-1	5	56	P4	755	1200	Triode No. 1
	6.3	JX-2103-5	5	56	P4	755	1200	Triode No. 2
6189	12.6	EV-7608-0	24	75	P4	1385	2200	Triode No. 1
	12.6	EV-2103-0	24	75	P4	1385	2200	Triode No. 2

Tube Type	Fil	Sel	Bias	Eng.	Push	Jan Min.	AV G. M.	Notes
6206	6.3	DW-1572-4	21	73	P4	1260	2000	
6245	6.3	DU-7126-5	24	65	P4	945	1500	
6286	1.5	ES-3100-0	46	55	P4	725	1150	
6374	6.3	EV-0002-0	0	33	P3*	-	-	Cap=P
6418	1.5	DV-0204-1	0	0	P1*	-	-	OK above 150 on 3000 scale. Make no gas test.
6550	6.3	JR-5347-0	31	90	P4	4095	6500	
6611	1.5	DV-0204-1	0	0	P1*	-	-	OK over 300 on 3000 scale. Make no gas test
6612	1.5	DV-0204-1	0	0	P1*	-	-	OK over 500 on 3000 scale. Make no gas test.
6788	6.3	DW-1572-0	25	0	P4	346	550	
6814	6.3	DW-1805-0	31	79	P4	1543	2450	
6883	12.6	JR-5032-7	28	91	P4	4410	7000	Cap=P
6888	6.3	JR-4765-3	30	77	P4	1480	2350	
6919	6.3	JR-0703-6	0	61	P1*	-	-	Diode No. 1
	6.3	JR-0205-6	0	61	P1*	-	-	Diode No. 2
6943	6.3	DW-1572-4	21	73	P4	1325	2100	
6944	6.3	DW-1572-4	21	73	P4	1325	2100	
6945	6.3	DW-1572-0	44	83	P4	2015	3200	
6946	6.3	DW-1805-0	29	80	P4	1890	3000	
6954	6.3	JR-3562-7	13	73	P4	1260	2000	
6973	6.3	EV-3917-0	20	87	P4	3025	4800	
7025	12.6	EV-7608-0	12	58	P4	790	1250	Triode No. 1
	12.6	EV-2103-0	12	58	P4	790	1250	Triode No. 2
7027	6.3	JR-5327-0	23	88	P4	3150	5000	
7036	6.3	JR-7562-3	20	56	P4	755	1200	Ampl. Sect.
	6.3	JR-3562-7	10	65	P4	945	1500	Osc. Sect.
7044	12.6	EV-7906-0	28	90	P4	4095	6500	
	12.6	EV-2103-0	28	90	P4	4095	6500	

Tube Type	Fil	Sel	Bias	Eng.	Push	Jan Min.	AV G. M.	Notes
7054	12.6	EV-2781-3	13	90	P4	3780	6000	
7055	12.6	JR-0703-6	0	61	P1*			Diode No. 1
	12.6	JR-0205-6	0	61	P1*			Diode No. 2
7056	12.6	JR-3562-7	22	76	P4	1385	2200	
7057	12.6	EV-7608-9	18	88	P4	3150	5000	Triode No. 1
	12.6	EV-2103-9	18	88	P4	3150	5000	Triode No. 2
7058	12.6	EV-7608-0	12	58	P4	790	1250	Triode No. 1
	12.6	EV-2103-0	12	58	P4	790	1250	Triode No. 2
7061	12.6	EV-3917-0	21	85	P4	2330	3700	

#### WESTERN ELECTRIC SUPPLEMENT DATA

338A	10	JR-3204-0	#	91	P5*	-	-	Strikes at about 39
5847/ 404A	6.3	DZ-1684-0	10	86	P4	2520	4000	

#### EUROPEAN TUBE SUPPLEMENT DATA

6D1	6.3	JR-0703-0	0	52	P1*	-	-	Use Stark EA adapter Place red Dot lead on top pin.
6F12	6.3	JR-3572-6	10	74	P4	1480	2350	
6F13	6.3	JR-5347-2	19	73	P4	1575	2500	Use Stark EL42 adapter
6F33	6.3	JR-3572-6	21	54	P4	1000	1600	
7D9	6.3	JR-3572-0	10	74	P4	1480	2350	
8D3	6.3	JR-3572-6	13	78	P4	1575	2500	
9D6	6.3	JR-3572-6	12	65	P4	1070	1700	
10P13	35.0	JR-5347-0	24	84	P4	2835	4500	Use Stark EL42 adapter
43-1U	4.3	JR-0200-0	0	46	P3*	-	-	Plate #1
	4.3	JR-0300-0	0	46	P3*	-	-	Plate #2. Use Stark EG adapter.
52KU	5.0	HR-0600-0	0	22	P3*	-	-	Plate No. 1
	5.0	HR-0400-0	0	22	P3*	-	-	Plate No. 2
61BT	6.3	JR-5047-0	51	76	P4	1545	2450	Cap=P



Tube Type	Fil	Sel	Bias	Eng	Push	Jan Min.	AV G. M.	Notes
61-SPT	6.3	JR-5347-3	32	80	P4	1950	3100	Cap=P
85A1	OFF	AP-0107-0	25	70	P5*	-	-	Set line adjust at 1200. Use Stark EC adapter.
185BT	20.0	JR-5047-0	27	91	P4	4410	7000	Cap-P
A2134	6.3	JR-3572-0	38	80	P4	1890	3000	
AZ-41	4.3	JX-0300-0	0	11	P3*	-	-	Plate No. 1
	4.3	JX-0500-0	0	11	P3*	-	-	Plate No. 2 Use Stark EL42 adapter
D77	6.3	JR-0703-0	0	61	P1*	-	-	Diode #1
	6.3	JR-0205-0	0	61	P1*	-	-	Diode #2
DC70	1.1	EV-1800-0	30	78	P4	1575	2500	
DM-70	1.5	EV-1807-0	0	0	P4	-	-	OK above 350 on 3000 scale. increase bias reduces glow.
DY86	1.5	EV-0000-0	0	70	P5*	-	-	Cap=P
DY87	1.5	EV-0000-0	0	70	P5*	-	-	Cap=P
E8OCC	12.6	EV-7608-0	11	78	P4	1575	2500	Triode #1
	12.6	EV-2103-0	11	78	P4	1575	2500	Triode #2
E8OF	6.3	EV-9613-8	20	60	P3	820	1300	
E2134	6.3	JR-3572-0	38	80	P4	1890	3000	
EAA91	6.3	JR-0703-0	0	61	P1*	-	-	Diode No. 1
	6.3	JR-0205-0	0	61	P1*	-	-	Diode No. 2
EB34	6.3	JR-0507-0	0	50	P1*	-	-	Diode No. 1
	6.3	JR-0304-0	0	50	P1*	-	-	Diode No. 2
EBC-41	6.3	JR-6307-0	13	48	P4	725	1150	Triode Sect.
	6.3	JR-0507-0	0	30	P1*	-	-	Diode No. 1
	6.3	JR-0407-0	0	0	P1*	-	-	Diode No. 2
								Use Stark EL42 adapter.
ECC33	6.3	JX-2103-0	17	75	P4	1575	2500	Triode #1
	6.3	JX-4506-0	18	77	P4	1700	2700	Triode #2
EBF89	6.3	EV-2613-9	12	84	P4	2640	4000	Pentode Sect.
	6.3	EV-0703-0	0	30	P1*	-	-	Diode No. 1
	6.3	EV-0803-0	0	15	P1*	-	-	Diode No. 2
ECC35	6.3	JX-2103-0	11	58	P4	880	1400	Triode No. 1
	6.3	JX-4506-0	11	58	P4	880	1400	Triode No. 2

Tube Type	Fil	Sel	Bias	Eng	Push	Jan Min.	AV G. M.	Notes
EC91	6.3	JR-3702-0	8	85	P4	2640	4000	
	6.3	JR-6705-0	8	85	P4	2640	4000	
ECF82	6.3	EV-2637-0	15	76	P4	1420	2250	Pentode Sect.
	6.3	EV-9108-0	16	87	P4	2835	4500	Triode Sect.
EF37A	6.3	JR-03475	10	66	P4	1100	1750	Cap=G
EF40	6.3	JR-4357-2	10	69	P4	1260	2000	Use Stark EL42 adapter
EF41	6.3	BY-5347-0	12	74	P4	1470	2350	Use EL42adapter
EL-34	6.3	JR-5347-2	27	90	P4	3780	6000	
EL-37	6.3	JR-5347-2	23	88	P4	3150	5000	
EL-86	6.3	EV-2793-0	35	92	P4	3780	6000	
EL-95	6.3	JR-3562-0	24	80	P4	2015	3200	
EL821	6.3	EV-2783-9	19	89	P4	3720	5900	
EM-80	6.3	EV-1902-0	Vary	100	P5*	-	-	Connect a 1 meg-ohm resistor from plate Jack to octal test socket pin #8. Vary bias to vary beam angle.
EY84	6.3	EV-0002-0	0	33	P3*	-	-	Cap=P
EY86	6.3	EV-0000-0	0	66	P5*	-	-	Short on 3 Cap=P
GZ-34	5.0	HR-0600-0	0	75	P3*	-	-	Plate #1
	5.0	HR-0400-0	0	75	P3*	-	-	Plate #2
KT-61	6.3	JR-5347-0	21	85	P4	2640	4000	
KT-81	6.3	HS-6138-0	32	40	P4	630	1000	Use Stark EC adapter
KTW-63	6.3	JR-0347-0						Use this setting for short check only.
	6.3	JR-0407-0	10	53	P4	-	-	English reading only
L-63	6.3	JR-5307-0	23	73	P4	1385	2200	
N-77	6.3	JR-3572-0	27	79	P4	1640	2600	
N-727	6.3	JR-3562-0	21	85	P4	2330	3700	

Tube Type	Fil	Sel	Bias	Eng	Push	Jan Min.	AV G. M.	Notes
OM5	6.3	JR-0347-5	22	58	P4	1135	1800	
OM6	6.3	JR-0347-5	22	58	P4	1385	2200	
PCF82	10.0	EV-2637-0	15	76	P4	1420	2250	Pentode Sect.
	10.0	EV-9108-0	16	87	P4	2835	4500	Triode Sect.
PCL82	20.0	EV-1908-0	10	64	P4	1000	1600	Triode Sect.
	20.0	EV-3672-0	45	70	P4	1260	2000	Pentode Sect.
PL83	12.6	EV-2713-6	11	91	P4	4725	7500	Cap=P
QS70/20	OFF	AP-0502-0	0	50	P5*	-	-	
QS150/15	OFF	AP-0302-0	0	10	P5*	-	-	Reads in green
R18	6.3	EV-0003-0	0	52	P1*	-	-	Cap=P
SD6	6.3	JR-0205-0	0	50	P1*	-	-	
TT15	6.3	BZ-2453-0	40	85	P4	2640	4000	Tetrode No. 1
	6.3	BZ-8657-0	20	85	P4	2640	4000	Tetrode No. 2 Use Stark EG adapter
UU9	6.3	JR-0507-0	0	20	P3*	-	-	Plate No. 1
	6.3	JR-0307-0	0	20	P3*	-	-	Plate No. 2 Use Stark EL42 adapter
U52	5.0	HR-0400-0	0	30	P3*	-	-	Plate No. 1
	5.0	HR-0600-0	0	37	P3*	-	-	Plate No. 2
W727	6.3	JR-3567-2	9	83	P4	2080	3300	
X61M	6.3	JR-0347-5	Use this setting for short test only					Cap=G
	6.3	JR-0407-5	34	65	P4	1070	1700	Make no short test. Cap=G
X65	6.3	JR-0347-5	Use this setting for short test only					Cap=G
	6.3	JR-0407-5	33	50	P4	695	1100	Make no short test. Cap=G
X78	6.3	JR-2530-7	Use this setting for short test only					
	6.3	JR-2300-7	38	60	P4	945	1500	Make no short test.
X81	6.3	HS-6158-4	Use this setting for short test only					
	6.3	HS-6508-4	25	12	P4	1385	2200	Use Stark EC adapter. Make no short test.
X727	6.3	JR-7562-3	11	63	P4	900	1425	Ampl. Sect.
	6.3	JR-3562-7	0	67	P4	1010	1600	Osc. Sect.
Y61	6.3	JR-5347-0	12	24	P4	-	-	Eye closed
	6.3	JR-5047-0	12	24	P4	-	-	Eye open

Tube Type	Fil	Sel	Bias	Eng.	Push	Jan Min	AV G. M.	Notes
Y63	6.3	JR-5347-0	12	24	P4	-	-	Eye open
	6.3	JR-5047-0	12	24	P4	-	-	Eye closed
Z77	6.3	JR-3572-6	10	74	P4	1480	2350	
6064	6.3	JR-3572-6	13	78	P4	1575	2500	
6516	6.3	JR-3572-0	27	79	P4	1640	2600	
18042	20.0	EV-2613-9	20	87	P4	2835	4500	