

No. 100-A AMPLIFIER No. 100-B AMPLIFIER

COMMERCIAL PRODUCTS  
APPARATUS REFERENCE SHEET

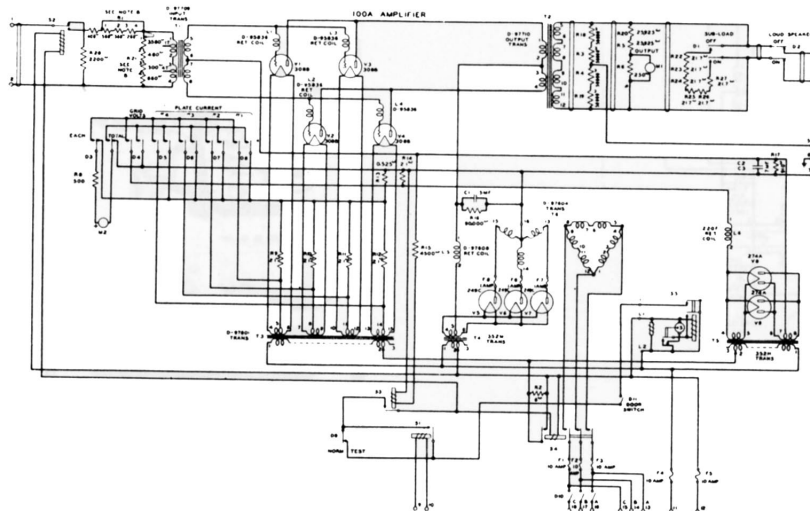
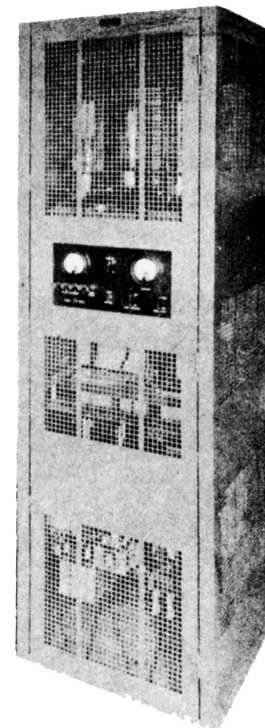
NO 1-8
AMPLIFIER
100A, B

3-1-37

*JLL*

ELECTRICAL CHARACTERISTICS

		100A	100B									
GAIN AND INPUT CIRCUIT		<p>Because of the fact that the tubes draw grid current at high power output, both gain and internal input impedance vary with power output.</p> <p>The gain is such that 155 volts across the primary of the input transformer gives 1000 watts output.</p> <p>The input coil operates from 100-500 ohms. The Internal Input Impedance varies as follows:</p> <table border="0"> <tr> <td>1000 Watts Output</td> <td>- -</td> <td>6,500 Ohms</td> </tr> <tr> <td>500 " "</td> <td>- -</td> <td>30,000 "</td> </tr> <tr> <td>Below 500 " "</td> <td>- -</td> <td>30,000 "</td> </tr> </table>		1000 Watts Output	- -	6,500 Ohms	500 " "	- -	30,000 "	Below 500 " "	- -	30,000 "
1000 Watts Output	- -	6,500 Ohms										
500 " "	- -	30,000 "										
Below 500 " "	- -	30,000 "										
OPERATES INTO		8, 32, 72 or 130 Ohms										
INTERNAL OUTPUT IMPEDANCE		1/1.2 of Corresponding Load Impedance.										
OUTPUT POWER		500 Watts at 2% Harmonic Distortion. 1000 Watts at 10% Harmonic Distortion.										
OUTPUT NOISE		-10 to -20 db depending upon tubes.										
POWER SUPPLY	FILAMENTS AND CONTROL CIRCUIT	115 Volts 60" Single Phase 5.3 Amps. 600 Watts	115 Volts 50-60" Single Phase 5.3 Amps 600 Watts									
	PLATE VOLTAGE	115 or 230 Volts 60" Three Phase	115 Volts 50-60" Single Phase									
	PLATE LOAD 1000 WATTS OUTPUT	2240 Volt Amperes 1925 Watts										
	PLATE LOAD 500 WATTS OUTPUT	1600 Volt Amperes 1400 Watts										
	PLATE LOAD 250 WATTS OUTPUT	1210 Volt Amperes 1050 Watts										
	PLATE LOAD 100 WATTS OUTPUT	950 Volt Amperes 800 Watts										
GAIN CONTROL		Fixed Pads 3 Steps, 3 db each	Fixed Pads 1 step, 3 db									



EQUIPMENT CHARACTERISTICS

		100A and 100B
WEIGHT		600 lbs.
SIZE		72" x 22" x 25"
MOUNTING		Self Contained in Relay Rack Type Cabinet

