

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

COMMERCIAL PRODUCTS
APPARATUS REFERENCE SHEET

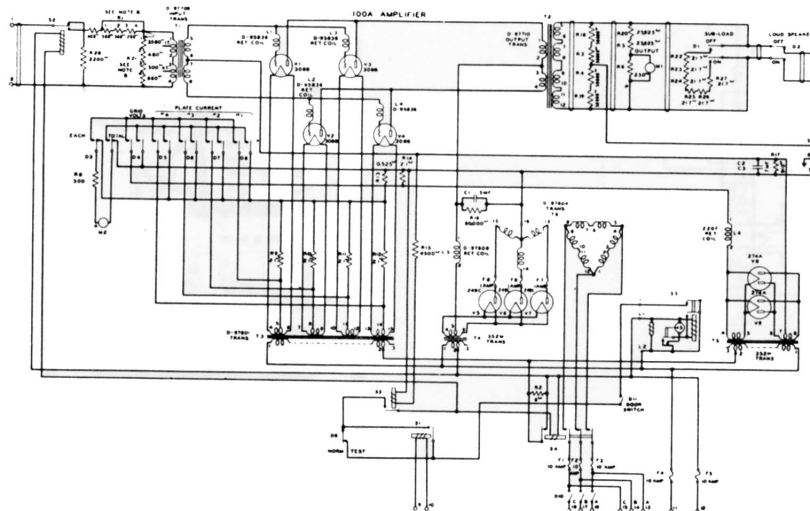
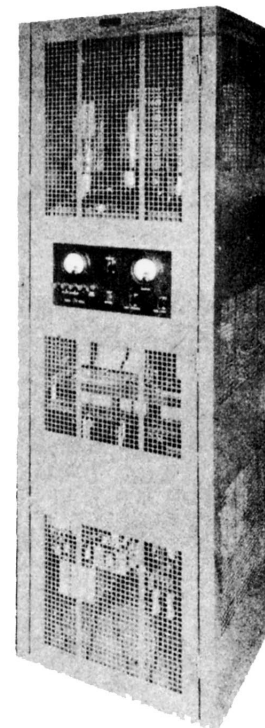
| |
|-----------|
| NO 1-8 |
| AMPLIFIER |
| 100A, B |

3-1-37

JLL

ELECTRICAL CHARACTERISTICS

| | | 100A | 100B |
|---------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| GAIN AND INPUT CIRCUIT | | Because of the fact that the tubes draw grid current at high power output, both gain and internal input impedance vary with power output. The gain is such that 155 volts across the primary of the input transformer gives 1000 watts output. The input coil operates from 100-500 ohms. The Internal Input Impedance varies as follows: 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 |

