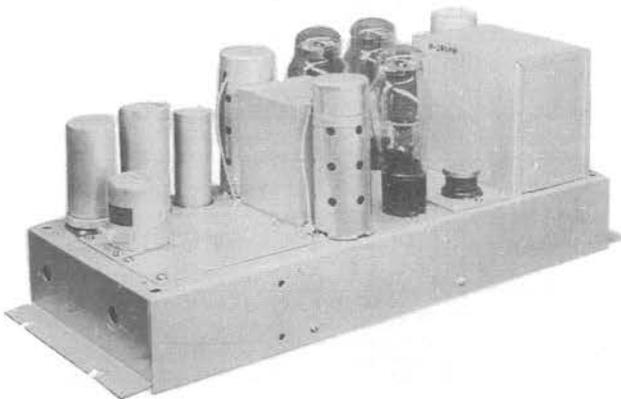


124A AMPLIFIER



GENERAL

The 124A amplifier is a push-pull, two stage amplifier with self-contained power supply unit and plate supply filter. It may be used as a power amplifier where no gain control is required or where the gain control is furnished in circuits external to the amplifier.

ELECTRICAL CHARACTERISTICS

Gain - - - - - 63 db, high gain input connection. 50 db, bridging input connection.

Source Impedance- 0 to 1000 ohms, high gain input. 0 to 25,000 ohms, bridging input.

Internal Input - 1000 ohms, high gain input.
Impedance 40,000 ohms, bridging input.

Internal Output - 3/4 of nominal load impedance.
Impedance

Load Impedance - 1.75, 7.5, 16, 30, 150 or 600 ohms. Also 70-volt loudspeaker distribution line. See Output Connections Table on schematic.

Output Level - - +41 dbm (12 watts) with less than 5% total harmonic distortion from 50 to 5000 cycles, and +43 dbm (20 watts) with 5% total harmonic distortion at 400 cycles with 600-ohm load.

Output Noise - - -37 dbm (unweighted).

Frequency - - - +1 db, 50 to 15,000 cycles.
Response

Gain Control - - None.

Power Supply - - 105 to 125 volts, 50-60 cycles, 1.1 amperes, 105 watts when used with 12-watt output connection. 105 to 125 volts, 50-60 cycles, 1.25 amperes, 125 watts when used with 20-watt output connection.

EQUIPMENT CHARACTERISTICS

Dimensions - - - 19" long, 7" high, 7-3/8" deep.

Weight - - - - - Approximately 20 pounds.

Finish - - - - - Chassis: aluminum lacquer.
Front and edge of mat: black enamel, dark aluminum gray, gray or blue-gray.

Mounting - - - - - Relay rack, shelf or apparatus cabinet.

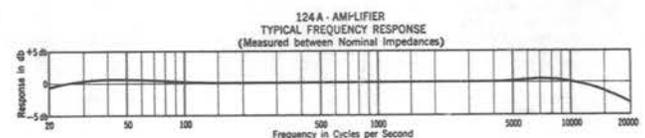
ELECTRON TUBES

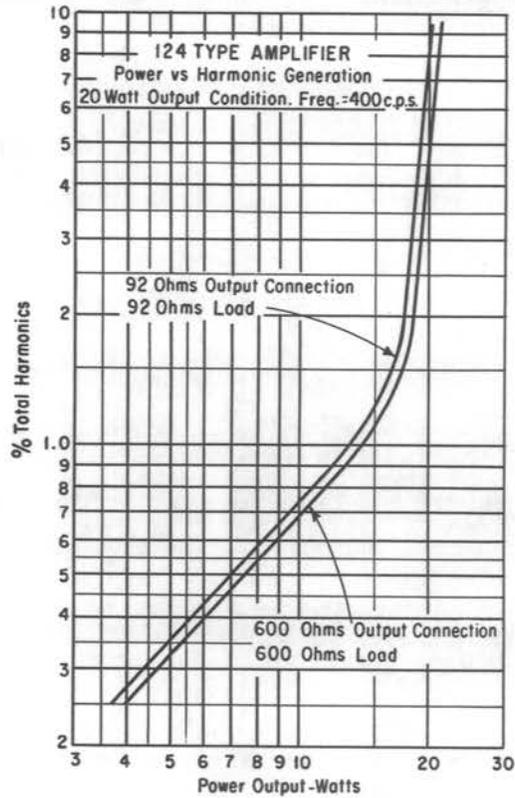
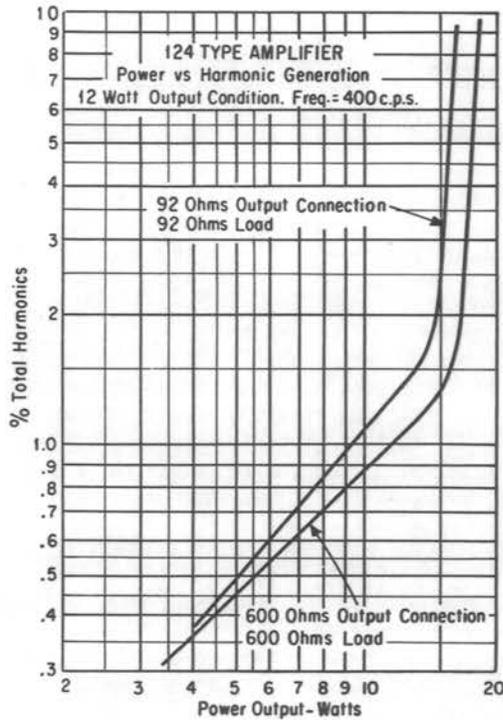
(These tubes are not supplied with the amplifier and must be ordered separately.)

	<u>W.E. Co.</u>		<u>Commercial</u>
2- - - - -	348A	or	6J7 or 6J7G
2- - - - -	350B	or	6L6 or 6L6G
1- - - - -	274B	or	5T4 or 5U4G

REFERENCES

ESX-675954 - - - - - Assembly and Stock List.
ESX-675956 - - - - - Wiring Diagram.
ESXX-675955 - - - - - Schematic.
BSP 024-104-100 - - 124-Type Amplifiers.
BSP 024-104-501 - - 103 and 124-Type Amplifiers.





124A AMPLIFIER

