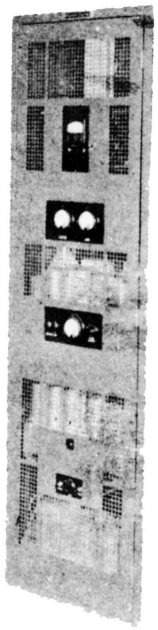
Western Electric Company

No. 101-A AMPLIFIER

COMMERCIAL PRODUCTS
APPARATUS REFERENCE SHEET

NO 1-7
AMPLIFIER
101A.
3-1-37

EQUIPMENT CHARACTERISTICS



USE - - - - - - - - - - - - - - - Used to drive 1 or 2 100B Amplifiers. Cannot be used by itself because of lack of means for plate power delay.

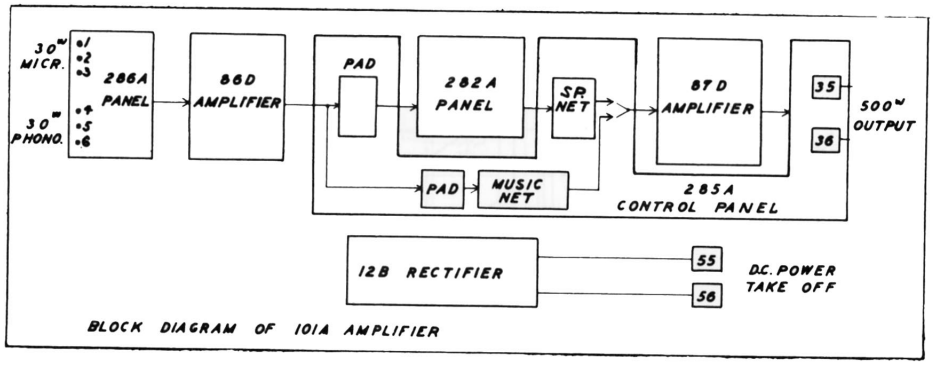
WEIGHT - - - - - - - - - - - - - 480 lbs.

SIZE - - - - - - - - - - - - - - 72" x 23" x 15-1/4"

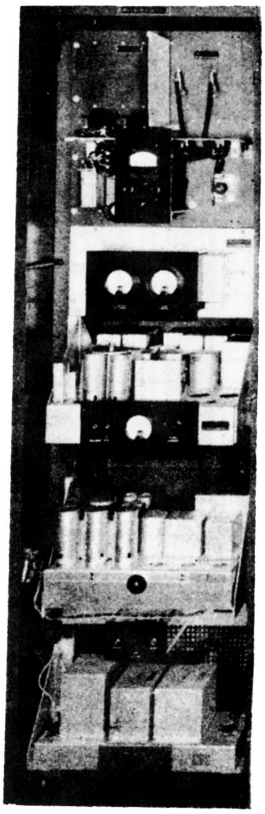
APPARATUS -

286A	Input Panel		282A	Panel
86D	Amplifier		87D	Amplifier
285A	Control Panel		12B	Rectifier

Wiring Diagram ESR-621388
Schematic ESXX-345008



BLOCK DIAGRAM OF 101A AMPLIFIER



ELECTRICAL CHARACTERISTICS

GAIN - - - - - - - - - - - - - - Approximately 105 db
OPERATES FROM - - - - - - - - - 30ω Microphone or Phonograph
INTERNAL INPUT IMPEDANCE - - - 40 ohms
OPERATES INTO - - - - - - - - - 500 ohms
INTERNAL OUTPUT IMPEDANCE - - 1/4.4 of Load Impedance
OUTPUT POWER - - - - - - - - - 50 Watts
OUTPUT NOISE - - - - - - - - - Approx.-20 on speech without Volume Compressor
Approx.-10 on speech with Volume Compressor
POWER SUPPLY - - - - - - - - - 115 Volts, 50-60~, Single Phase 7.5 Amperes
GAIN CONTROL - - - - - - - - - 40db, 3db Steps
POWER TAKE-OFF - - - - - - - - 52 Volts, 2 Amperes D.C.