

Western Electric Company

No. 133-A AMPLIFIER

Type

Two-stage push-pull amplifier for use as a line, isolation or 8 watt loud-speaker amplifier in speech-input equipments, or sound systems.

Typical Electrical Characteristics

Gain—Approximately 47 db. maximum with 600 ohm input connection; approximately 21.5 db with bridging input.

Operates From — 600 ohms, Nominal impedance or high impedance (20,000 ohms) bridging.

Operates Into — 600, 150, 30, 16, 7.5 or 1.75 ohms nominal impedance.

Output Power—Approximately 8 watts (+37 dbm)* with 2 per cent total harmonic distortion.

Approximately 4 watts (+34 dbm)* with 1 per cent harmonic distortion.

Output Noise — Approximately -65 dbm* Unweighted with maximum gain approximately 70 dbm* Unweighted with 5.2 db output pad connected.

Frequency Characteristic — Flat within 1 db over the range 30 to 15,000 cycles.

Power Supply—Filament—6.3 Volts, 3 Amperes.

Plate—275 Volts, 66 ma

(Filament and plate supply may be obtained from 18A Rectifier.)

*(Ref.—.001 Watt)

Equipment Characteristics

Panel Size—Approximately 5¼ by 10¼ inches. The apparatus extends approximately 5 inches from the front and 2 inches from the rear of panel.

Weight—Approximately 6½ pounds.

Mounting—Designed for mounting on a 177 Type Mounting Plate, which requires 10½ inches of relay rack space. Flexible rubber mountings are furnished.

Instruction Bulletin No. 1040P

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