

Gotham

PFB-150 WD

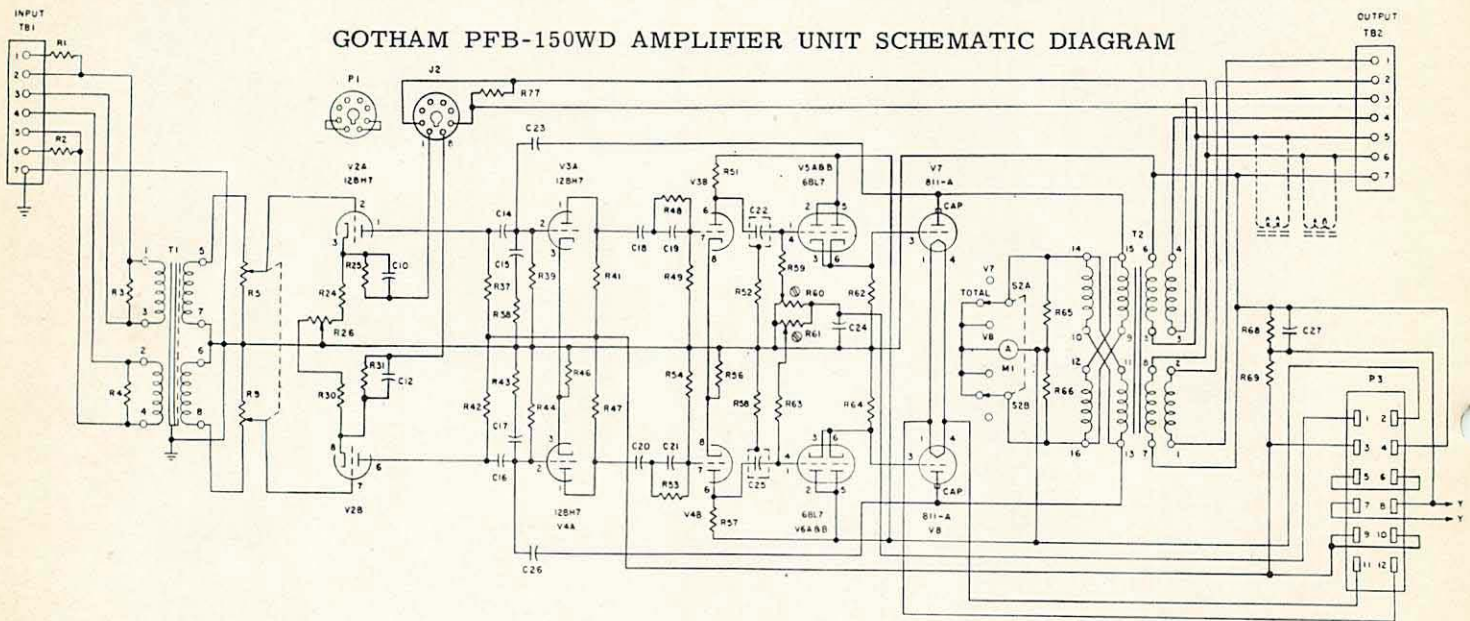


GOTHAM AUDIO DEVELOPMENT CORP. 2 West 46 Street, New York 36, N. Y.

DESIGN & APPLICATIONS

The Model PFB-150WD Power Amplifier consists of five push-pull, carefully balanced stages. The critically designed and built input transformer maintains its balance and frequency response from 10-40,000 cycles/second. Three RC coupled voltage-amplifier stages feed the cathode follower driver. The extremely high mutual conductance of the paralleled driver tubes provide an effective 30-ohm drive to the positively biased

high- μ output triodes. Eight separate windings of the toroidally wound output transformer, provide a multitude of output impedance combinations while maintaining a high degree of coupling. The heavy-duty Xenon-filled rectifiers, together with over-sized transformers and chokes, give excellent regulation, permitting high power output with a relatively low output plate voltage of 550 volts.



PERFECT AS —

- High-Power variable frequency source, when used in conjunction with any low-distortion oscillator, for the testing of transformers, motors, inductors, loudspeakers, and any other application requiring a stable, low-distortion power source.

- Top Quality Audio Amplifier for effective voice and music reproduction combining unbelievably low noise, high efficiency, and power to spare in such widely varied applications as:

- Motion Picture Theaters and Drive-In's
- Public Address Systems
- Stereophonic Multi-Speaker installations
- Industrial Sound Systems
- High-Fidelity Home Installations
- Disk Recording

- Driver to Class "B₂" Modulators in high-fidelity AM Broadcasting Transmitters.

- Driving Source for Magnetostrictive and other Ultra-Sonic Devices.

POINTS OF INTEREST:

TOROIDAL OUTPUT TRANSFORMER
General Radio manufactured - - eliminates
switching transients - lowest distortion.

811-A RUGGED OUTPUT TRIODES
JAN-approved - Working well below
CCS dissipation and voltage ratings.

OIL-FILLED COUPLING CONDENSERS
Hermetically sealed for trouble-free
operation.

Vented Tube Shields

OIL FILTER CAPACITORS

1% Precision Metal-Film &
Wire-Wound Resistors in all
plate and feedback circuits
for maximum stability.

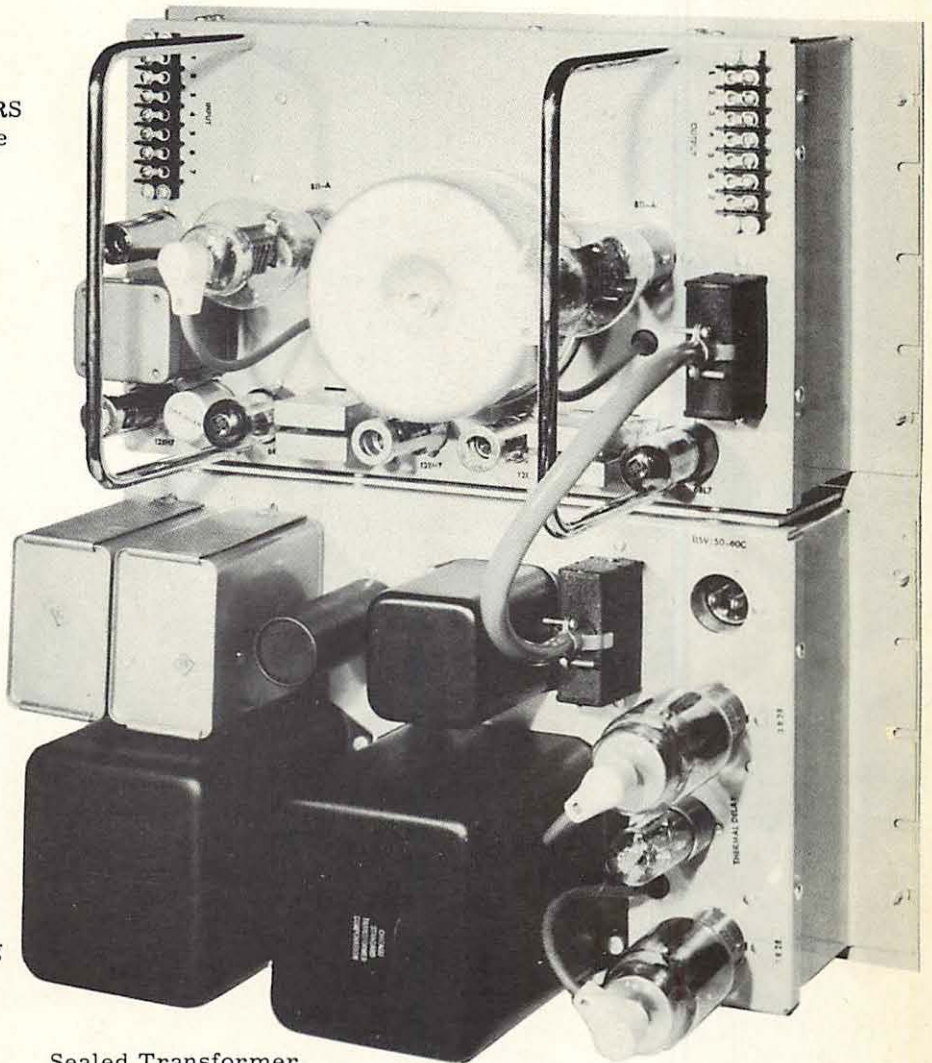
Thermistor-timed warmup
period released by Edison
Thermal Relay after 15 sec.

All Components and Tubes
working well below their
maximum ratings, insuring
long, dependable life.

Class A₂ operation at power
levels below 40 watts insures
low distortion at low power.

POSITIVELY BIASED 811-A's
with unlimited drive, deliver
short-duration peaks of up to
400 watts with perfect stability.

3B28 XENON-FILLED RECTIFIERS
Efficient - Rugged - Long-lasting



Sealed Transformer

