



This massive single-channel 70 watt amplifier proves just how much difference an amplifier can make in high quality reproduction. Its exceptional stability and low distortion, together with its tremendous reserves of power, result in remarkably clean performance. Transient response is superb. Built-in metered adjustments. Beautiful precision construction. For superior stereo or monaural reproduction, America's leading make of quality components offers the finest amplifier made today.



Model 9R (rack mounted)

POWER: 70 watts continuous — 140 watts peak. Switch for nearly 40 watt triode operation.

RESPONSE: At full rated power: within 0.1 db, 20 cps to 20 kc; within 1 db, 12 cps to 40 kc. At 1/2 watt: within 1 db, 3 cps to 40 kc.

HARMONIC DISTORTION: At full rated power: LESS than 0.1% at mid-frequencies, LESS than 0.33% @ 20 cps. and 20 kc.

I.M. DISTORTION: LESS than 0.5% at full rated power.

HUM & NOISE: Better than 90 db below 70 watts.

DAMPING FACTOR: 17. Damping factor can be changed internally by adding current feedback.

OUTPUT IMPEDANCES: 4, 8 and 16 ohms, plus 1 ohm tap for center-speaker connection.

CONSTRUCTION: Instrument-type, precision construction throughout. Circuit assembled on rigid heavy-duty terminal board with machined, silver plated turret-terminals. Wiring connections neatly cabled. Silicon diode B+ and bias supplies, with Zener regulation for first stage. Three Sprague type 17D telephone-grade electrolytic capacitors. Oversized transformers for very cool operation. Heavy front panel with precision-machined knobs, d'Arsonval meter, etc.

TEST SECTION: Complete built-in instrument for self-testing and balancing of output and driver tubes. Adjustments for balance of driving signal. The circuit includes five screw-driver adjustments, a seven-position test switch, and an accurately calibrated d'Arsonval meter. These simple adjustments

eliminate the need for matched output tubes and assure optimum performance despite normal tube aging.

CONTROLS: (All controls, adjustments and connections, with the exception of the Triode switch, are accessible from the front).

Gain Control—isolated by cathode-follower—phase circuit.

Phase Switch—for securing correct phase relation (A+B) of phantom center-channel speaker fed by two amplifiers.

Low Filter—Subsonic cutoff filter, LESS than 1/4 db @ 20 cps—20 db @ 3 cps.

Test Switch—for bias (plate current) readings for each tube. Built-in test signal for dynamic balance adjustment.

Five bias and balance adjustments, as well as input and output connections, are located under snap-out access panel.

TUBE COMPLEMENT: 2—6DJ8/ECC88, 1—6CG7, 4—6CA7/EI34, 1—Zener Diode, 5—Silicon rectifiers.

OVERALL DIMENSIONS: 15 3/8" W x 8 1/4" H x 10 1/2" D. Panel—15 3/8" W x 7 3/4" H.

SHIPPING WEIGHT: 63 pounds.

PRICE: Model 9 \$384
Model 9R (rack mounted) \$414

*slightly higher in West.

ALSO AVAILABLE: Model 970—70.7V tap, plus 8 and 16 ohms. Model 970R—same as above rack mounted.



marantz

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