

This special product, a vacuum-tube power amplifier represents the state-of-the-art of this technology. It is expensive and will be available only in limited quantities for a reasonable period of time.

The D-79 was conceived in response to demand from and for audio perfectionists.

While it is not necessarily the "ultimate" amplifier, and will not provide its intrinsic performance with all speaker systems, it will provide a new standard of what we at Audio Research® Corporation call High Definition® reproduction of music within its power capability throughout much of the audio range when used with suitable speaker systems.

Some of its features include near military components and construction with unsurpassed accessibility for maintenance. Front panel switches and meters provide operating convenience. Three built-in fans provide forced air cooling of the output stage for extended tube and component life. A high energy, well regulated power supply with our balanced and cross-coupled (patented) circuitry is employed together with other Audio Research technology to provide an incredibly stable

amplifier capable of sorting out and properly defining the most subtle nuances of sound even with the most reactive of modern speaker loads.

To obtain the best performance from this amplifier, it is recommended that a commensurate quality preamplifier such as the SP-6A be used.

Only high quality turntables with stable pickup arms and cartridges should be used. For further discussion of performance and use requirements, we encourage you to visit your Audio Research dealer.

Audio Research® products are sold throughout much of the free world by a network of select audio specialists. Authorized Audio Research dealers can be identified by the following decal:



*Note: The decal must show the current year.

Features:

- Very large energy-storage power supply (over 550 joules — 300 for the output stage alone).
- Electronic regulation of output screen and other low level circuit voltages.
- Power line monitor meter with operating ranges identified.
- Output power monitor meters — peak "averaging" circuitry to monitor safe operating (sine wave power calibration 75 watts/8 ohms top of green arc). Also used to set output tube bias/operating point.

- Built-in speaker line fuse holders — user can assure absolute speaker protection.
- Front panel power supply fuses for easy access.
- Super-quiet built-in fans (3) to assure reliable operation.
- Front and rear panels are 2-color anodized aluminum for permanent finish and lettering.
- Industrial grade components and construction for long service life. Rated for continuous commercial service.

D-79 SPECIFICATIONS (AC line set at 120V 60Hz for these specifications)

Power Output: 75 watts per channel minimum RMS (both channels operating) at 16 ohms from 30 Hz to 15 kHz with less than 1% total harmonic distortion.

- Typically below .1% at rated power in midband.
- Approximate actual power available per channel at "clipping" (Both CH. OP, 1 kHz): 87 watts.

Power Bandwidth: (-3 dB Points) 15 Hz and 40 kHz.

Intermodulation Distortion: Less than .5% at 1dB below rated output (90 V p to p, 16 ohms) (SMPTE method).

Input Sensitivity: .75 V RMS for rated output.

Input Impedance: 80K ohms, nominal.

Output Regulation: Approximately 1.5 db, 16 ohm load to open circuit (damping factor, approximately 8).

Negative Feedback: 13½ dB.

Slew Rate: Approximately 10 volts/microsecond.

Rise Time: 5 microseconds.

Noise: Wideband, unweighted, more than 90 dB below rated output. Line components, more than 80 dB below rated output.

Power Requirements: 105-125/210-250 VAC, 50/60 Hz, 750 watts maximum 350 watts at "idle"; 550 watts at rated power.

Dimensions: 19" (48 cm) W (standard rack panel) x 10½" (26.5 cm) H x 17¼"D (front panel back). Handles extend 1½" (4.1 cm) forward of front panel.

Weight: 89 lbs. (41 kg) Net; 107 lbs. (49 kg) shipping.

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