

Reference 750SE Monoblock Power Amplifiers

King of the Hill



The Reference 750SE monoblock amplifier continues a story begun more than 20 years ago; that is, to create the ultimate tube-driven amplifier with enough power to drive any speaker load and to provide a musical experience unlike any before it. The Reference 750SE redefines all expectations of what is possible from an amplifier in a music playback system. It is the culmination of everything we know about amplifier design and manufacturing – High Definition in its purest, most dynamic form.

The REF 750SE is crafted without compromise. There are eight pairs of carefully matched KT150 output tubes in each monoblock, combined with a massive, tube-regulated power supply, immense custom-designed and US-built power and output transformers, and numerous proprietary parts and wiring. Energy storage is an immense 1300 joules.

Rated at a whopping 750 watts, this Reference power amplifier provides the ultimate in power and control over any loudspeaker imaginable. Sonically, the REF 750SE is simply the most breathtaking power amplifier ever produced by Audio Research. The sense of fluid ease, spectral coherence and unlimited dynamic range is immediately apparent. To think of it simply as a statement in power delivery misses the heart of the REF 750SE: amazing resolution and dynamics. Not just explosive macro-dynamics, but the micro-dynamics that provide the subtlest shadings, allowing an instrument to breathe and come to life. The layering of individual instruments is not only obvious, but the space surrounding each one is palpable. Individual instruments and voices are fully fleshed-out and vividly portrayed.

The front panel features twin analog meters, one for monitoring power output and bias adjustment, the second for line voltage. Input is balanced XLR only, and there are 4-, 8-, and 16-ohm output taps on the back panel, with a meter to track tube hours, and a 20A IEC connector. The REF 750SE elevates music to a new level of truthfulness and passion, connecting the listener and performance. The REF 750SE is a serious amplification system for the listener who is ultimately serious about the fidelity of music playback.

After nearly 50 years, our focus remains the advancement of the state-of-the-art in music reproduction. Every component is meticulously hand-crafted and personally auditioned before it leaves our factory. Our attention to detail, customer service, and product support create unprecedented value. An Audio Research component is more than a purchase, it's an investment.

Get ready for the immersive experience that is the Audio Research REF 750SE, it is like no other. We invite you hear the difference by visiting your nearest Audio Research dealer.



SPECIFICATIONS

Power output

750 watts per channel continuous from 20Hz to 20kHz. 1kHz total harmonic distortion typically 0.5% at 750 watts, below .04% at 1 watt. Approximate actual power available at "clipping" 850 watts (1kHz)

Frequency response

(-3dB points at 1 watt) 1 Hz to 200 kHz

Input sensitivity

4.6V RMS Balanced for rated output.
(24 dB gain into 8 ohms.)

Output taps

4, 8, 16 ohms

Hum & Noise

Less than 0.2mV RMS - 110dB below rated output (IHF-A weighted, input shorted, 16 ohm output)

Tube complement

8 - Matched pair KT150 Power Output;
1 - 6550WE Regulator; 1 - 6H30 Regulator;
1 - matched pair KT150 Driver; 1 - 6H30 follower

Power requirement

105-130VAC 60Hz (200-270VAC 50Hz) 2100 watts at rated output, 2400 watts maximum, 800 watts at "idle"

Dimensions

Width: 13.5" (34.3 cm)
Height: 23" (58.4 cm)
Depth: 20.8" (52.8 cm)
Handles extend 1.5" (3.8 cm) forward and rearward

Weight

170 lbs. (77.2 kg) Net; 395 lbs. (180 kg) per pair shipped

Complete technical specifications can be found on our website.

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3900 Annapolis Lane North | Plymouth, MN 55447 USA | T: 763.577.9700 | www.audioresearch.com