



Perreaux

Model: SA33

Date of Manufacture: 1987

Product Type: Stereo Preamplifier

Specifications:

Frequency Response

Tone controls bypassed 20Hz-50kHz, ± 0.25 dB

Input Sensitivity

High Gain (moving coil) $280\mu\text{V}_{\text{rms}}$ @ 1kHz

Low Gain (moving magnet) $2.2\text{mV}_{\text{rms}}$ @ 1kHz

CD and VCR $360\text{mV}_{\text{rms}}$

All other inputs $120\text{mV}_{\text{rms}}$

Input Impedance

High Gain (moving coil) 47Ω , 100Ω , $47\text{k}\Omega$

Low Gain (moving magnet) 47Ω , 100Ω , $47\text{k}\Omega$

CD and VCR $20\text{k}\Omega$

All other inputs $25\text{k}\Omega$

Input Overload

High gain 20mV_{rms} @ 1kHz

Low gain $160\text{mV}_{\text{rms}}$ @ 1kHz

CD and VCR 20V_{rms}

All other inputs 10V_{rms}

Rated Output 1.5V_{rms} into $10\text{k}\Omega$ or higher

Maximum Output 20V_{rms} into $10\text{k}\Omega$ or higher

Main Output

Source Impedance $1\text{k}\Omega$

Tape Output

Level 120mV

Source Impedance $2\text{k}\Omega$

Loop Output

Level 105mV

Source Impedance $2\text{k}\Omega$

Minimum Recommended Load $10\text{k}\Omega$

Distortion (THD and IMD)

Phono inputs 0.01% 20Hz-20kHz

All others $< 0.009\%$ 20Hz-20kHz

Rising to 0.08% at 15V @ 1kHz into $10\text{k}\Omega$ or higher

Noise (inputs loaded)

Moving Coil (*unweighted*) -55dB re rated input

Moving Coil (*A weighted*) -68dB re rated input

Moving Magnet -81dB re 10mV input

Moving Magnet (*unweighted*) -68dB re rated input

Moving Magnet (*A weighted*) -78dB re rated input

All others (*unweighted*) -98dB re rated inputs

All others (*A weighted*) -109dB re rated inputs

RIAA Accuracy $\pm 0.25\text{dB}$

Channel Separation

All inputs 50dB 20Hz-20kHz

Phase Accuracy $\pm 3^\circ$ 20Hz-20kHz

Tone Switch

When set to bypass, the tone control circuitry is completely removed from the signal path, leaving the signal to pass directly to the line amp stage.

Bass $\pm 18\text{dB}$ at 30Hz

Treble $\pm 14\text{dB}$ at 12kHz

Dimensions

Width 482mm (19.0")

Height 55mm (2.5")

Depth 347mm (13.6")

Weight 4.8kg (10.5lbs)

Schematic diagram

Product manual

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