



# Perreaux

Model: SA33

Date of Manufacture: 1987

Product Type: Stereo Preamplifier

## Specifications:

### Frequency Response

Tone controls bypassed ..... 20Hz-50kHz,  $\pm 0.25$ 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) .....  $47\Omega$ ,  $100\Omega$ ,  $47\text{k}\Omega$

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

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

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

### Input Overload

High gain .....  $20\text{mV}_{\text{rms}}$  @ 1kHz

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

CD and VCR .....  $20\text{V}_{\text{rms}}$

All other inputs .....  $10\text{V}_{\text{rms}}$

**Rated Output** .....  $1.5\text{V}_{\text{rms}}$  into  $10\text{k}\Omega$  or higher

**Maximum Output** .....  $20\text{V}_{\text{rms}}$  into  $10\text{k}\Omega$  or higher

### Main Output

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

### Tape Output

Level .....  $120\text{mV}$

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

### Loop Output

Level .....  $105\text{mV}$

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  $15\text{V}$  @ 1kHz into  $10\text{k}\Omega$  or higher

### Noise (inputs loaded)

Moving Coil (*unweighted*) .....  $-55\text{dB}$  re rated input

Moving Coil (*A weighted*) .....  $-68\text{dB}$  re rated input

Moving Magnet .....  $-81\text{dB}$  re  $10\text{mV}$  input

Moving Magnet (*unweighted*) .....  $-68\text{dB}$  re rated input

Moving Magnet (*A weighted*) .....  $-78\text{dB}$  re rated input

All others (*unweighted*) .....  $-98\text{dB}$  re rated inputs

All others (*A weighted*) .....  $-109\text{dB}$  re rated inputs

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

### Channel Separation

All inputs .....  $50\text{dB}$  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 .....  $482\text{mm}$  (19.0")

Height .....  $55\text{mm}$  (2.5")

Depth .....  $347\text{mm}$  (13.6")

**Weight** .....  $4.8\text{kg}$  (10.5lbs)

Schematic diagram

Product manual

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www.perreaux.com

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