



Perreaux

Model: 8000B

Date of Manufacture: 1982

Product Type: Stereo Power Amplifier

Power Output (*per channel into 8Ω*): 500W_{rms}

Specifications:

Power Output

500W_{rms} minimum per channel both channels driven into 8Ω from 20Hz to 20kHz at no more than 0.15% Total Harmonic Distortion from 0.25W to rated output.

Output per channel at onset of clipping at 1kHz

Both channels driven into 8Ω..... 600W_{rms}
Both channels driven into 4Ω..... 900W_{rms}

Dynamic Headroom 1.5dB

Frequency Response (at rated output)

Balanced inputs +0.0 dB -0.25dB 20Hz-20kHz
Unbalanced inputs ±0.1dB 20Hz-20kHz

Total Harmonic Distortion

500W_{rms} into 8Ω from 20Hz to 20kHz..... < 0.15%
500W_{rms} into 8Ω at 1kHz < 0.005%

Intermodulation Distortion (S.M.P.T.E. method 60Hz and 7kHz mixed 4:1)

5W to 50W into 8Ω < 0.05%
50W to rated output into 8Ω < 0.008%
Rated power Typically 0.003%

Slewing Rate 70V/μs

Phase Response +1° at 20Hz -1° at 20kHz

Hum and Noise

Balanced input 90dB below rated output 20Hz to 20kHz
Unbalanced input 95dB below rated output 20Hz to 20kHz

Channel Separation (one channel driven to rated power into 8Ω, other channel input shorted)

10Hz -61dB
1kHz -65dB
10kHz -63dB

Input Sensitivity

Balanced input (+4dBm ref: 0dBm = 0.775V) 1.23V
Unbalanced input (+2.2dBm ref: 0dBm = 0.775V) 1.00V

Input Impedance

Balanced 10kΩ
Unbalanced 10kΩ

Load Impedance

Rated for 8Ω usage but will safely drive any load from 4Ω up

Damping Factor 200 at 50Hz

Attenuator Range 0dB to -18dB in calibrated 2dB steps

Variable Reference Meters

Calibrated -24dB to 0dB in 3dB steps and clip
Displays actual power available with respect to mains voltage and load impedance

Dimensions

Width 482mm (19.0")
Height 177mm (7.0")
Depth 447mm (17.6")

Weight 30.0kg (66.0lb)

Schematic diagram

Product manual