



Perreaux

Model: E1

Date of Manufacture: 1989

Product Type: Stereo Power Amplifier

Power Output (*per channel into 8Ω*): 100W_{rms}

Specifications:

Power Output

100W_{rms} per channel continuous both channels driven into 8Ω from 20Hz to 20kHz at no more than 0.5% Total Harmonic Distortion from 0.25W to rated power
160W_{rms} per channel into 4Ω

Frequency Response 20Hz-20kHz ±0.25dB
..... -1dB @ 6Hz and 65kHz

Total Harmonic Distortion

Rated power 0.003% @ 1kHz
Worst case prior to clipping 0.05%

Intermodulation Distortion

Worst case prior to clipping 0.05%

Dynamic Headroom (*with music*) > 2dB

Amplifier Saturation > 250W per channel into 8Ω

Voltage Swing 108V_{p-p} per channel

Current Output

Short Duration Continuous 10A per channel (fuse limited)

Rise Time Typically 1μs

Phase Response +2° at 20Hz -2° at 20kHz

Channel Separation > 60dB 20Hz-20kHz

Damping Factor > 500 from 10Hz-1kHz
..... 800 @ 100Hz

Hum and Noise (*unweighted*) 100dB below rated output 20Hz-20kHz

Input Sensitivity 1.5V_{rms} for rated output @ 1kHz

Input Impedance 47kΩ

Driver Stage Class A

Output Devices Extended Class AB

Dimensions

Width 430mm (17.0")

Height 95mm (3.8")

Depth 325mm (12.8")

Weight 7.5kg (17.0lb)

Schematic diagram

Product manual