

High Current Amplifiers

HCA-1000A

Parasound's High Current Amplifiers offer explosive power with uncompromised sound quality. Our focus on a high current/high bias design influenced by John Curl, utilizes complimentary discrete circuitry to assure every watt is crystal clear and available for crisp vocals, magnificent explosions, and dynamic music. Each amplifier features 12 volt DC triggers, gain controls, and bullet-proof protection for ease of use and peace of mind. Give us the most demanding music or the most action packed soundtrack, and you will love what you hear.



Features

- Circuitry designed by John Curl
- Lucasfilm Home THX Ultra certified
- High bias Class A/AB operation
- Direct Coupled - no capacitors or inductors in signal path
- Input stage uses hand matched complementary JFETs
- 12 beta-matched 15 amp, 50 MHz bipolar output transistors
- Massive 785 VA toroid power transformer with independent secondary windings for each channel
- 40,000 μ F power supply filter capacitance
- Independent power supplies for each channel
- DC Servo and relay protection circuits
- AC present, standby/normal, current overload indicators
- Gold plated RCA input jacks, loop output jacks
- 12 volt DC automatic turn-on circuitry
- Heavy duty 24k 5-way speaker binding posts
- Rear mounted gain controls; ground lift switch
- Rack mounting adapter available
- Parasound's 10 years parts, 5 years labor warranty

Specifications

- Continuous power output:
 - 125 watts RMS x 2, 20 Hz - 20 kHz, 8 Ω , both channels driven
 - 200 watts RMS x 2, 20 Hz - 20 kHz, 4 Ω , both channels driven
 - 400 watts RMS x 1, 20 Hz - 20 kHz, 8 Ω
- Current capacity: 45 amperes peak per channel
- Power bandwidth: 5 Hz - 100 kHz, +0/-3 dB at 1 watt
- Total harmonic distortion: < 0.03 % at full power
- IM distortion: < 0.03 %
- Slew rate: > 130 V/ μ second
- Dynamic headroom: > 1.5 dB
- Interchannel crosstalk: > 80 dB at 1 kHz; > 60 dB at 20 kHz
- Input sensitivity: 1 V for 28.28 V, THX Reference Level
- Input impedance: 33 k Ω
- S/N ratio: > 116 dB, full power; > 96 dB, THX Reference
- Damping factor: > 800 at 20 Hz
- Dimensions: 17-1/4" w x 4" h x 13-1/4" d, 3-1/2" h without feet
- Net weight: 22 lbs.



PARASOUND

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