

# High Current Amplifiers

## HCA-855A

**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. Every amplifier features 12 volt 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

- High bias Class A/AB operation
- Direct coupled - no capacitors or inductors in signal path
- Input stages use hand matched complementary JFETs
- 20 matched 15 amp, 50 MHz bipolar output transistors
- Massive 1 kVA toroid power transformer with independent secondary windings for each channel
- 68,000  $\mu$ 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
- 12 volt DC automatic turn-on circuitry
- Heavy duty 24k 5-way speaker binding posts
- Rear mounted gain controls and rear handles
- Rack mounting adapter available
- Parasound's 10 years parts, 5 years labor warranty

### Specifications

- Continuous power output:
  - 85 watts RMS x 5, 20 Hz - 20 kHz, 8 $\Omega$ , all channels driven
  - 125 watts RMS x 5, 20 Hz - 20 kHz, 4 $\Omega$ , all channels driven
- Current capacity: 30 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: > 130V/ $\mu$ second
- Dynamic headroom: > 1.5 dB
- Interchannel crosstalk: > 80 dB at 1 kHz; > 60 dB at 20 kHz
- Input impedance: 33 k $\Omega$
- Input sensitivity: 1V for 28.28V, 1.2V for full output
- S/N ratio: > 115 dB, full power, IHFA-weighted
- Damping Factor: > 800 at 20 Hz
- Dimensions: 17" w x 6" h x 16" d, 5-1/4" h without feet
- Net weight: 41 lbs.



PARASOUND

Parasound Products, Inc. 950 Battery Street, San Francisco, CA 94111  
415-397-7100 / FAX 415-397-0144 [www.parasound.com](http://www.parasound.com)