

## 870W Power Amplifiers



**BostonAudio CA-4**

### Application

The CA 4 professional power amplifier is designed to achieve unsurpassed sonic performance and long-term reliability—even when operating under extreme stress—in touring or fixed installation applications.

Designed with touring sound professionals in mind, the CA Series power amplifiers faithfully produce high power with low distortion in an extremely lightweight economical package.

Rock stable in stereo or bridged mode operation this series is engineered to exceed expectations, when powering multiple or single loudspeaker enclosures down to a 2 ohm load.

The CA Series offer the protection that ensures safe & trouble free shows night after night.

### Other CA Series Power Amplifiers

4Ω Stereo	CA2	CA4	CA6	CA9	CA12
1kHz, .01% THD+N	250 W	435 W	600 W	900 W	1200 W
20Hz-20kHz, 0.1% THD+N	200 W	400 W	500 W	800 W	1100 W

### SPECIFICATIONS

1kHz, 0.01% THD / 20Hz-20kHz, 0.1% THD+N	
8Ω Stereo Power	250W 245W
4Ω Stereo Power	435W 400W
2Ω Stereo Power	500W 450W
8Ω Bridged Mono Power	830W 800W
4Ω Bridged Mono Power	1000W 900W
Max RMS Output Voltage (each channel)	58V
Peak Output Voltage (each channel)	82V
Frequency Response (+0 / -0.3dB, 1W/8Ω)	20Hz-20kHz, -3dB@135kHz
Power Bandwidth (rated power at 4Ω)	20Hz-20kHz, -9dB/+5dB
TourClass® Protection	ACL, AutoRamp, short circuit, DC voltage, turn-on/off transient, sub/ultrasonic input.
THD+N (rated power at 4Ω, 1kHz)	<0.01%
SMPTE IMD (rated power at 8Ω)	<0.01%
Damping Factor (10-400Hz at 8Ω)	550:1
Input CMRR (1kHz)	> -60dB
Input Sensitivity (rated power at 8Ω)	0.775V standard (see table below)
Voltage Gain	X61 standard (see table below)
Input Impedance (balanced/unbalanced)	>20kΩ/>10kΩ
Hum and Noise (full power, 4Ω)	-105dB
Crosstalk ("A" weighted, full power, 4Ω)	> -60dB
Class	AB
Input Connectors (per channel)	Female XLR
Output Connectors (per channel)	Speakon connectors
Filter Storage	27,200 μF
Power Supply (factory configured)	100V-240V, 50-60Hz
Idle Current Draw 120V	1.4A
Power Curr. Draw (typical music, 120V/4Ω)	6.8A
1/3 Power Curr (continuous music, 120V/4Ω)	10.0A
Max Curr (circuit breaker rating, 120V/4Ω)	15A
Thermal Emissions (1/8 Power, 4Ω)	2030 BTU/hr
Thermal Emissions (1/3 Power, 4Ω)	2726 BTU/hr
Cooling	Back-to-front via 2 rear panel mounted variable-speed DC fans
Controls	Front Panel: 2 attenuators Rear Panel: signal ground lift switch
LED Indicators (per channel)	Clip/Limit, Signal, Temp/DC, Active
Construction	Steel chassis, 16 gauge.
Dimensions (Height x Width x Depth)	3.5" x 19" x 18" / 89 x 483 x 457mm
Gross Weight, Net Weight	46 lbs. (20.88 kg.), 41 lbs. (18.61 kg.)