

500W Power Amplifiers



BostonAudio CA-2

Application

The CA 2 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	160W	150W
4Ω Stereo Power	250W	200W
2Ω Stereo Power	500W	450W
8Ω Bridged Mono Power	N/A	N/A
4Ω Bridged Mono Power	N/A	N/A
Max RMS Output Voltage (each channel)	44V	
Peak Output Voltage (each channel)	62V	
Frequency Response (+0 / -0.3dB, 1W/8Ω)	20Hz-20kHz, -3dB@135kHz	
Power Bandwidth (rated power at 4Ω)	20Hz-20kHz, -9dB/+1.5dB	
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)	368:1	
Input CMRR (1kHz)	> -60dB	
Input Sensitivity (rated power at 8Ω)	0.775V standard (see table below)	
Voltage Gain	X45 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	20,000 μF	
Power Supply (factory configured)	100V-240V, 50-60Hz	
Idle Current Draw 120V	1.2A	
Power Curr. Draw (typical music, 120V/4Ω)	3.25A	
1/3 Power Curr (continuous music, 120V/4Ω)	5.5A	
Max Curr (circuit breaker rating, 120V/4Ω)	9.0A	
Thermal Emissions (1/8 Power, 4Ω)	1119 BTU/hr	
Thermal Emissions (1/3 Power, 4Ω)	1607 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	38 lbs. (17.25 kg.), 33 lbs. (14.89 kg.)	