

2400W Power Amplifiers



BostonAudio CA-12

Application

The CA12 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	700W	650W
4Ω Stereo Power	1200W	1100W
2Ω Stereo Power	1400W	1100W
8Ω Bridged Mono Power	2400W	2200W
4Ω Bridged Mono Power	2800W	2200W
Max RMS Output Voltage (each channel)	90V	
Peak Output Voltage (each channel)	126V	
Frequency Response (+0 / -0.3dB, 1W/8Ω)	20Hz-20kHz, -3dB@135kHz	
Power Bandwidth (rated power at 4Ω)	20Hz-20kHz, -.23dB/+ .85dB	
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)	800:1	
Input CMRR (1kHz)	> - 60dB	
Input Sensitivity (rated power at 8Ω)	0.775V standard (see table below)	
Voltage Gain	X97.5 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	H	
Input Connectors (per channel)	Female XLR	
Output Connectors (per channel)	Speakon connectors	
Filter Storage	140,000 μF	
Power Supply (factory configured)	100V-240V, 50-60Hz	
Idle Current Draw 120V	2.8A	
Power Curr. Draw (typical music, 120V/4Ω)	10.5A	
1/3 Power Curr (continuous music, 120V/4Ω)	23.0A	
Max Curr (circuit breaker rating, 120V/4Ω)	30A	
Thermal Emissions (1/8 Power, 4Ω)	4750 BTU/hr	
Thermal Emissions (1/3 Power, 4Ω)	6300 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)	5.25" x 19" x 18" / 133 x 483 x 457mm	
Gross Weight, Net Weight	72 lbs. (32.68 kg.), 67 lbs. (30.42 kg.)	