

CREST AUDIO® Pro 5200/7200/8200/9200 Power Amplifiers

**Pro 200™
SERIES**



(Pro 8200 shown)

Power Specifications	8Ω stereo*	4Ω stereo*	2Ω stereo*	8Ω bridged**	4Ω bridged**
9200	1,300 W	2,200 W	3,250 W	4,400 W	6,500 W
8200	825 W	1,450 W	2,250 W	2,900 W	4,500 W
7200	590 W	1,000 W	1,650 W	2,000 W	3,300 W
5200	290 W	525 W	850 W	1,050 W	1,700 W

8Ω, 4Ω Stereo and 8Ω Bridged Mono Power ratings @ 1 kHz, <.05% THD+N both channels driven. 2Ω stereo and 4Ω Bridged Mono Power ratings @ 1kHz, <. 1% THD+N

FEATURE OVERVIEW:

- Dramatically reduced net weight
- Latest generation of high speed, wide-bandwidth output devices
- Dual, variable speed fans
- Balanced XLR inputs
- Speakon® and 5-way binding post speaker outputs
- Mode selector switch for stereo, parallel and bridged-mono operation
- Input sensitivity selection
- Recessed, stepped attenuators
- Front panel circuit - breaker switch
- Five year warranty*

TOURCLASS/PROTECTION CIRCUITS

ACL™ (Active Clip Limiting) prevents speaker damage by providing gentle gain reduction when the signal approaches the clipping threshold.

IGM™ (Instantaneous Gain Modulation) monitors speaker loads to detect conditions that may overstress output devices. This allows safe operation into nominal 2Ω speaker loads.

AUTORAMP™ gradually increases gain to the attenuator level settings when the amplifier is turned on. This prevents abrupt turn-on level.

Other protection features include: short circuit, DC voltage, comprehensive thermal management and current in-rush turn-on/off; transient sub-sonic input.

DESCRIPTION

Crest Audio Pro 200 Series amplifiers are designed to achieve unsurpassed sonic performance and long-term reliability under extreme stress in touring or fixed installation applications.

Absolute sonic accuracy is the hallmark of every Crest amplifier. Bass is solid and defined to the limits of audibility with ample current reserves. Wide-bandwidth output devices ensure detailed, transparent high frequency response. And, thanks to Crest's exclusive IGM™ circuit, the Pro 200 Series will drive 2Ω loads safely without compromising performance.



**CREST
AUDIO**

Product Specifications

Pro 200™ Series

		5200			7200		8200		9200	
Stereo Power:	8Ω	290 W		590 W		825 W		1,300 W		
	4Ω	525 W		1,000 W		1,450 W		2,200 W		
	2Ω	850 W		1,650 W		2,250 W		3,250 W		
Bridged Mono Power:	8Ω	1,050 W		2,000 W		2,900 W		4,400 W		
	4Ω	1,700 W		3,300 W		4,500 W		6,500 W		
Output Voltage RMS		52 V		75 V		90 V		113 V		
8Ω and 4Ω Stereo Power ratings @1kHz, <0.05% THD+N both channels driven 2Ω stereo & 4Ω Bridged Mono Power ratings @1 kHz, <0.1%THD+N										
Frequency Response:	10 Hz – 100 kHz; +0, -2 dB at 1 watt									
Power Bandwidth:	10 Hz – 35 kHz; +0, -2 dB at rated 4Ω power									
Damping factor:	>300:1 8Ω @ 20 Hz to 1kHz									
Input CMRR:	> -85 dB @1kHz									
Gain:	selectable between x40 (32 dB) and x20 (26 dB)									
Input Sensitivity (x40) 4Ω rated power +/-3%:		1.12 V		1.58 V		1.87 V		2.35 V		
Input Impedance	15kΩ Balanced									
Hum and Noise A-weighted @ 8Ω rated power		>-110 dB		>-110 dB		>-110 dB		>-113 dB		
Crosstalk 1kHz @ 8Ω rated power		>-65 dB		>-70 dB		>-70 dB		>-70 dB		
Class		A/B		H		H		H		
Power Supply	Switched Mode									
Current Draw @ 120 VAC										
	1/8 power	4Ω	875 W	7.3 A	875 W	7.3 A	1,250 W	10.5 A	2,200 W	18.4 A
		2Ω	1,380 W	11.5 A	1,400 W	11.7 A	1,875 W	15.7 A	3,350 W	27.9 A
	1/3 power	4Ω	1,310 W	10.9 A	2,500 W	20.8 A	3,050 W	25.4 A	5,000 W	41.7 A
		2Ω	2,100 W	17.5 A	3,900 W	32.5 A	4,350 W	36.25 A	7,300 W	60.9 A
Thermal Emissions 1/3 power, 4Ω Bridged BTU/hr		7,165		13,308		14,843		24,909		
Cooling	Back to front via 2 variable speed fans									
Input connectors	Balanced female XLR									
Output connectors	Speakon® connectors and five-way binding post									
Controls	Front panel:	twin recessed stepped attenuators, circuit breaker/power switch								
	Rear panel:	mode select, gain select								
LED indicators	Signal presence, ACL™ (Active clip limiting), Active status, Temp									
Construction	Aluminum Chassis									
Dimensions	3.5" x 19" x 12.25" (13.75" to rack ears) 89 mm x 483 mm x 311 mm (349 mm to rack ears)									
Weight	24 lbs. (10.9 kg)									

Architects' & Engineers' Specifications:

The power amplifier shall consist of 2 channels. Each channel will deliver a minimum of (290 / 590 / 825 / 1300) watts at 8 ohms, (525 / 1000 / 1450 / 2200) watts at 4 ohms, (850 / 1650 / 2250 / 3250) watts at 2 ohms, 20 Hz – 20 kHz. In Bridged mono mode, it will deliver a minimum of (1050 / 2000 / 2900 / 4400) at 8 ohms, (1700 / 3300 / 4500 / 6500) at 4 ohms, 20Hz – 20 kHz. It shall weigh 24 lbs. The amplifier shall incorporate protection circuitry against output short circuits, DC voltage on outputs, thermal overload and load protection due to any form of amp failure. It will include impedance sensing circuitry, a RMS clip limiter and Autoramp signal control. The amplifier shall have a sensitivity of 1.12 / 1.58 / 1.87 / 2.35 volts (x40) at the input, which will deliver full rated output power in any output configuration. Gain can be changed to x20. The hum and noise level shall be greater than (-110 dB / -110 dB / -110 dB / -113 dB) "A" weighted. The amplifier shall have a class (A / B, H, H, H) output stage with a switch power supply. The frequency response shall be greater than 10 Hz – 100 kHz +0, -2 dB at 1 watt at full rated output power @ 4 ohms .05% THD. The amplifier will operate at either 120 VAC, 60 Hz (safe operating range 100-132 VAC) or at 230 VAC, 50 Hz (safe operating range 200-264), voltage selection determined at factory. Maximum current draw at 120 V shall be no greater than 30amps, both channels driven continuously into a 2 ohm load at 1/8 power. Front panel indicators shall include LED indicators for signal present, ACL (automatic clip limiting), Temp, and Active status. Front panel attenuators will be recessed and detented. Input connectors shall be XLR per channel. Output connectors shall be 5-way binding posts and Speakon® per channel. The packaging of the amplifier shall allow for standard rack mounting without requiring space between similar units as long as the rack is properly ventilated. Dimensions main chassis shall be 19" wide (483mm), 12.25" deep (311mm), 3.5" high (89mm). The amplifiers shall be designated the Crest Audio model Pro 5200.

*Five Year warranty for the United States



Logo referenced in Directive 2002/96/EC Annex IV (EU) L37/38, 13.02.03 and defined in EN 50419: 2005
The bar is the symbol for marking of new waste and is applied only to equipment manufactured after 13 August 2005

Crest Audio reserves the right to make improvements in manufacturing or design which may affect specifications.

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