

Pro 5200 Professional Amplifier



Crest Audio CC 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.

Construction and Quality Control

The Pro 5200 is built exclusively in Crest's own USA manufacturing facility, with internal components selected for premium quality and proven durability. Each modular subassembly is pre-tested, and the assembled Pro 5200 receives a rigorous "hot room" burn-in before thorough final checkout on precision test equipment.

Pro 5200 Features

- 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

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.

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Rated power bridge mode 4 Ohms:	1,700 Watts @ 1 kHz at <0.1% T.H.D.
Rated power bridge mode 8 Ohms:	1,050 Watts @ 1 kHz at <0.1% T.H.D.
Rated power (2 x 2 Ohms):	850 Watts per channel @ 1 kHz <0.1% T.H.D. both channels driven
Rated power (2 x 4 Ohms):	525 Watts per channel @ 1 kHz at <0.05% T.H.D. both channels driven
Rated power (2 x 8 Ohms):	290 Watts per channel @ 1 kHz at <0.025% T.H.D. both channels driven
Rated power (1 x 2 Ohms):	950 Watts @ 1 kHz at <0.1% T.H.D.
Rated power (1 x 4 Ohms):	550 Watts @ 1 kHz at <0.05% T.H.D.
Rated Power (1 x 8 Ohms):	300 Watts @ 1 kHz at <0.025% T.H.D.
Minimum load impedance:	2 Ohms
Maximum RMS voltage swing:	52 Volts
Frequency response:	10 Hz - 100 kHz; +0, -2 dB at 1 Watt
Power bandwidth:	10 Hz - 30 kHz; +0, -2 dB at rated 525 Watts 8 Ohm power
T.H.D. (2 x 2 Ohms):	<0.1% @ 2,350 Watts per channel from 20 Hz to 20 kHz
T.H.D. (2 x 4 Ohms):	<0.1% @ 1,950 Watts per channel from 20 Hz to 20 kHz
T.H.D. (2 x 8 Ohms):	<0.1% @ 1,200 Watts per channel from 20 Hz to 20 kHz
Input CMRR:	>-85 dB @ 1 kHz
Voltage gain:	x 40 (32 dB) or x 20 (26 dB)
Crosstalk:	>-65 dB @ 1 kHz at rated power @ 8 Ohms
Hum and noise:	>-110 dB, "A" weighted referenced to rated power @ 8 Ohms
Slew rate:	>10V/us
Damping factor (8 Ohms):	>300:1 @ 20 Hz - 1 kHz
Phase response:	+5 to -15° from 20 Hz to 20 kHz
Input sensitivity:	(x 40) 1.12 Volts ±3% for 4 Ohm rated power, 2 Volts ±3% for 1 kHz 2 Ohm rated power
Input sensitivity:	(x 20) 4.7 Volts ±3% for 4 Ohm rated power, 4 Volts ±3% for 1 kHz 2 Ohm rated power
Input impedance:	15 k Ohms, balanced
Current Draw @ 1/8 power:	1,380 Watts @ 2 Ohms; 875 Watts @ 4 Ohms
Current Draw @ 1/3 power:	2,100 Watts @ 2 Ohms, 1,310 Watts @ 4 Ohms
Thermal Emissions @ 1/3 power:	7,165 @ 4 Ohms bridged
Class:	AB
Country of manufacture:	United States

Cooling: Two temperature dependant variable speed 80 mm high output DC fans

Controls: Two front panel attenuators, rear panel mode switch and gain select switch

Indicator LEDs: 2 ACL (clip limiting), 2 signal presence, 2 active status, 2 DC protect, 2 temperature limit

Protection: Thermal, DC, turn-on bursts, subsonic, incorrect loads

Connectors: XLR, Speakon and Binding Post speaker output, 120 Volt 15 amp IEC mains, 240/230 Volt 20 amp IEC mains

Construction: 16 ga. steel with 5 mm aluminum front panel

Dimensions 89 mm x 483 mm x 311 mm + 38 mm for rear support ears and connectors (3.5" x 19" x 12.25" + 1.5")

Net weight: 10.9 kg. (24 lbs.), Gross weight: 13.2 kg. (29.1 lbs.)

Warranty Five years parts and labor

All power measurements made at 120 VAC. 2 Ohm sine wave power is time limited by magnetic circuit breaker and is internal temperature dependant.

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



Logo referenced in Directive 2002/96/EC Annex IV (OJ(L)37/38,13.02.03 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



Commercial Audio

Features and specifications subject to change without notice.

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