



Specifications

CREST 8200

Rated power bridge mode:

4 Ohms - 4,500 Watts @ 1 kHz at <0.1% T.H.D.

Rated power (2 x 2 Ohms):

2,250 Watts per channel @ 1 kHz <0.1% T.H.D. both channels driven

Rated power (2 x 4 Ohms):

1,450 Watts per channel @ 1 kHz at <0.05% T.H.D. both channels driven

Rated power (2 x 8 Ohms):

825 Watts per channel @ 1 kHz at <0.05% T.H.D. both channels driven

Rated power (1 x 2 Ohms):

2,800 Watts @ 1 kHz at <0.1% T.H.D.

Rated power (1 x 4 Ohms):

1,600 Watts @ 1 kHz at <0.05% T.H.D.

Rated power (1 x 8 Ohms):

880 Watts @ 1 kHz at <0.05% T.H.D.

Minimum load impedance:

2 Ohms

Maximum RMS voltage swing:

90 Volts

Frequency response:

10 Hz – 100 kHz; +0, -3 dB at 1 Watt

Power bandwidth:

10 Hz – 50 kHz; +0, -3 dB at rated 4 Ohm power

T.H.D. (2 x 2 Ohms):

<0.15% @ 1,900 Watts per channel from 20 Hz to 5 kHz increasing to .2% at 20 kHz.

T.H.D. (2 x 4 Ohms):

<0.15% @ 1,300 Watts per channel from 20 Hz to 20 kHz

T.H.D. (2 x 8 Ohms):

<0.15% @ 775 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:

-70 dB @ 1 kHz at rated power @ 8 Ohms

Hum and noise:

> -110 dB, "A" weighted, referenced to rated power @ 8 Ohms, 30 kHz filter on

Slew rate:

> 15V/us

Damping factor (8 Ohms):

>300:1 @ 20 Hz – 1 kHz

Phase response:

+ 5 to - 12° from 20 Hz to 20 kHz

Input sensitivity (x 40):

1.87 Volts +/- 3% for 4 Ohm rated power, 1.68 Volts +/- 3% for 1 kHz 2 Ohm rated power

Input sensitivity (x 20):

3.74 Volts +/- 3% for 4 Ohm rated power, 3.36 +/- 3% Volts for 1 kHz 2 Ohm rated power

Input impedance:

15 k Ohms, balanced

Current draw @ 1/8 power:

1,875 Watts @ 2 Ohms; 1,250 Watts @ 4 Ohms

Current draw @ 1/3 power:

4,350 Watts @ 2 Ohms; 3,050 Watts @ 4 Ohms

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:

Two ACL (clip limiting), two signal presence, two active status, two DC protect, two temperature limit

Protection:

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

Connectors:

XLR, Speakon® and binding post speaker output, 20 amp IEC mains input

Construction:

16 gauge 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:

11.34 kg. (25 lbs.)

Gross weight:

12.25 kg. (27 lbs.)

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

Preliminary Specifications

Pro Series power amplifiers

CREST 7200

Rated power bridge 4 Ohms:

3,300 Watts @ 1 kHz at <0.1% T.H.D.

Rated power (2 x 2 Ohms):

1,650 Watts per channel @ 1 kHz <0.1% T.H.D. both channels driven.

Rated power (2 x 4 Ohms):

1,000 Watts per channel @ 1 kHz at <0.1% T.H.D. both channels driven

Rated power (2 x 8 Ohms):

590 Watts per channel @ 1 kHz at <0.05% T.H.D. both channels driven

Rated power (1 x 2 Ohms):

2,000 Watts @ 1 kHz at <0.1% T.H.D.

Rated Power (1 x 4 Ohms):

1,150 Watts @ 1 kHz at <0.05% T.H.D.

Rated Power (1 x 8 Ohms):

625 Watts @ 1 kHz at <0.05% T.H.D.

Minimum load impedance:

2 Ohms

Maximum RMS voltage swing:

75 Volts

Frequency response:

10 Hz - 100 kHz; +0, -3 dB at 1 Watt

Power bandwidth:

10 Hz - 50 kHz; +0, -3 dB at rated 4 Ohm power

T.H.D. (2 x 2 Ohms):

<0.2% @ 1,475 Watts per channel from 20 Hz to 20 kHz

T.H.D. (2 x 4 Ohms):

<0.15% @ 950 Watts per channel from 20 Hz to 20 kHz

T.H.D. (2 x 8 Ohms)

<0.1% @ 550 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

-70 dB @ 1 kHz at rated power @ 8 Ohms

Hum and noise:

>-110 dB, "A" weighted, referenced to rated power @ 8 Ohms, 30 kHz filter on

Slew rate:

> 15V/us

Damping factor (8 Ohms)

>300:1 @ 20 Hz - 1 kHz

Phase response:

+5 to - 12° from 20 Hz to 20 kHz

Input sensitivity (x 40)

1.58 Volts +/- 3% for 1 kHz. 4 ohm rated power, 1.44 Volts +/- 3% for 1 kHz 2 Ohm rated power

Input sensitivity (x 20):

3.16 Volts +/- 3% for 1 kHz. 4 Ohm rated power, 2.87 +/- 3% Volts for 1 kHz 2 Ohm rated power

Input impedance:

15 k Ohms, balanced

Current draw @ 1/8 power:

1,400 Watts @ 2 Ohms; 875 Watts @ 4 Ohms

Current draw @ 1/3 power

3,900 Watts @ 2 Ohms; 2,500 Watts @ 4 Ohms

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:

Two ACL (clip limiting), two signal presence, two active status, two DC protect, two temperature limit

Protection:

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

Connectors:

XLR, Speakon® and binding post speaker output, 20 amp IEC mains input

Construction

16 gauge 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:

11.34 kg. (25 lbs.)

Gross weight

12.25 kg. (27 lbs.)

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

CREST 5200

Rated power bridge 4 Ohms:

1,800 Watts @ 1 kHz at <0.1% T.H.D.

Rated power (2 x 2 Ohms):

850 Watts per channel @ 1 kHz <0.05% T.H.D. both channels driven.

Rated power (2 x 4 Ohms):

525 Watts per channel @ 1 kHz at <0.01% T.H.D. both channels driven

Rated power (2 x 8 Ohms):

290 Watts per channel @ 1 kHz at <0.01% T.H.D. both channels driven

Rated power (1 x 2 Ohms):

950 Watts @ 1 kHz at <0.02% T.H.D.

Rated power (1 x 4 Ohms):

550 Watts @ 1 kHz at <0.01% T.H.D.

Rated power (1 x 8 Ohms):

300 Watts @ 1 kHz at <0.005% T.H.D.

Minimum load impedance:

2 Ohms

Maximum RMS voltage swing:

52 Volts

Frequency response:

10 Hz - 100 kHz; +0, -3 dB at 1 Watt

Power bandwidth:

10 Hz - 60 kHz; +0, -3 dB at rated 4 Ohm power

T.H.D. (2 x 2 Ohms):

<0.1% @ 800 Watts per channel from 20 Hz to 20 kHz

T.H.D. (2 x 4 Ohms):

<0.05% @ 500 Watts per channel from 20 Hz to 20 kHz

T.H.D. (2 x 8 Ohms):

<0.05% @ 275 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, 30 kHz filter on

Slew rate:

>15V/us

Damping factor (8 Ohms):

> 300:1 @ 20 Hz - 1 kHz

Phase response:

+ 5 to -10° from 20 Hz to 20 kHz

Input sensitivity (x 40):

1.12 Volts +/- 3% for 4 Ohm rated power, 1.05 volts +/- 3% for 1 kHz 2 Ohm rated power

Input sensitivity (x 20):

2.24 Volts +/- 3% for 4 Ohm rated power, 2.1 +/- 3% Volts 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

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:

Two ACL (clip limiting), two Signal presence, two Active status, two DC protect, two Temperature limit

Protection:

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

Connectors:

XLR, Speakon® and binding post speaker output, 20 amp IEC mains input

Construction:

16 gauge 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

11.34 kg. (25 lbs.)

Gross weight

12.25 kg. (27 lbs.)

All power measurements made at 120 VAC. 2 ohm sine wave power is time-limited by magnetic circuit breaker and internal protection circuit.

Warranty

TBD

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