

Xs4300

Architectural & Engineering Specifications

Xs4300 (120 V, 60 Hz model)

The Crown® Xs4300 power amplifier shall be a solid-state four-channel model employing Class B output circuitry.

The amplifier shall include protection from shorted, open and mismatched loads, general overheating, DC, high-frequency overloads, under/over voltage, and internal faults.

The front-panel controls shall be a power switch and a gray rotary level control (one per channel).

The recommended load impedance shall be 4 to 8 ohms.

Rear-mounted input connectors shall be one per channel XLR-1/4" combo connector including a 3-pin female XLR connector and TRS 1/4" phone jack. Rear-mounted output connectors shall be one pair per channel binding posts.

Front panel indicators shall include two yellow Bridge-Mode Indicators (one for channels 1 and 2, one for channels 3 and 4) that illuminate when the Mode Switch is set to the "Bridge" position, a green Signal Indicator (one per channel) that illuminates when the channel's input signal level is above -40 dBu, a red Clip Indicator (one per channel) that illuminates when the channel's output signal is being overdriven, two red Temp Indicators (one for channels 1 and 2, one for channels 3 and 4) that illuminate when channel(s) are in thermal protect mode, a red Fault Indicator that illuminates when the amplifier is in protect mode and also briefly during normal power-up when amplifier is first switched on, a yellow Power Indicator that indicates amplifier has been turned on, and a red AC Mains Indicator that illuminates when AC power is present at the power cord.

The power amplifier shall meet or exceed the following performance criteria. Input sensitivity for rated output: 1.4V. Rated output with both channels driven in Dual mode with 0.15% THD (1 kHz): 200 watts per channel into 8 ohms and 300 watts per channel into 4 ohms. Bridge-mono output power with 0.15% THD (1 kHz): 700 watts into 8 ohms. Frequency Response at 1 watt, 22 Hz to 22 kHz: ± 1 dB. Signal to Noise Ratio below rated power: > 107 dB A-weighted. Total Harmonic Distortion at full rated power from 20 Hz to 20 kHz: $< 0.5\%$. Damping Factor: > 200 from 10 to 100 Hz. Crosstalk (below rated power): > 57 dB at 1kHz and > 40 dB at 20 kHz. DC Output Offset (shorted input): $< \pm 75$ mV. Input Impedance (nominal): 20 kilohms balanced, 10 kilohms unbalanced.

The amplifier chassis shall be constructed of steel with a durable black finish and shall be designed for forced-air ventilation from the front panel to the back panel.

The dimensions of the amplifier shall allow for 19 inch (48.3 cm) EIA standard (RS-310-B) rack mounting. The amplifier shall be 3.5 inches (8.9 cm) tall, and 17.14 inches (43.5 cm) deep behind the rack-mounting surface.

The amplifier shall weigh 28 lb 14 oz (13.1 kg).

The amplifier shall be designated the Crown Xs4300.



H A Harman International Company

Crown International
P.O. Box 1000
Elkhart, IN 46515-1000
TEL: 574-294-8200
FAX: 574-294-8FAX
www.crownaudio.com

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