



COMMERCIAL AUDIO SERIES

660A

Architectural & Engineering Specifications

660A

The Crown® 660A shall be a six-channel power amplifier for commercial and industrial audio. It provides 4-ohm and constant-voltage outputs (70V and 100V).

The 660A has six inputs and six 60W power amplifier channels.

Specifications

The 660A shall have the following specifications:

Frequency Response (at 1 watt from 4-ohm tap): 70 Hz to 19 kHz +/- 1 dB.
Frequency Response (at line out): 20 Hz to 20 kHz +/- 1 dB. Power Bandwidth (at 4-ohm tap, 2 dB below maximum 1 kHz power): 50 Hz to 20 kHz with < 0.5% THD. Signal to Noise Ratio (ref. to rated power, master volume at minimum): 85 dB. DC Output Offset: < ±5 mV. THD: Less than 0.5% at rated power at 1 kHz. Input Sensitivity (for full output at maximum gain): 800 mV. Input Impedance (nominal): 100 kilohms. Minimum Load Impedance: 100V output 160 ohms, 70V output 80 ohms, 4-ohm output 4/8 ohms. Crosstalk (all controls at "10"): -70 dB at 1kHz. Load Impedance: Ch. 1-4: 4 ohms and 70V/100V; Ch. 5-6: 4 ohms. AC Line Voltages Available: 110V, 50/60 Hz; 120V, 60 Hz; 220V, 50/60 Hz; 230V, 50/60 Hz; 240V, 50/60 Hz. AC Voltage Tolerance: +10%/-20%. Operating Temperature/Humidity: 0° C to 40° C at 95% relative humidity (non-condensing). Storage Temperature: -20° C to 85° C.

Front Panel Controls and Indicators

Front panel controls and indicators shall include the following:

Power Switch: Pushbutton on-off switch. Power Indicator: Blue LED indicates power on. Output Signal Presence Indicator: Green LED, one for each output channel, illuminates when output signal level exceeds 100 mV (45 dB below full power) from the 4-ohm tap. Clip Indicators: Red LED, one per output channel; illuminates at threshold of audible distortion. Volume Controls: One per output channel; detented potentiometer with knob. Tone Controls: Bass

and Treble non-detented potentiometers on each channel; Bass ±10 dB at 100 Hz, Treble ±10 dB at 10 kHz.

Back Panel Controls and Connectors

Back panel controls and connectors shall include the following:

Reset Switch: Resets the circuit breaker that protects the power supply; 220/230/240V units have a fuse instead. Input Connectors: Detachable 3-pin Phoenix-type, high-impedance balanced, one per channel. AC Power Inlet: Detachable IEC. Amplifier Outputs Connectors: One per channel, 4-position terminal strip with COM (Common), 4 ohms, 70V and 100V terminals for channels 1-4 and one 4-position terminal strip (4 ohms, + and - for each channel) for channels 5 and 6; accepts up to 10 AWG terminal forks; non-touch cover included. VCA Connector: Each pair of channels has a 4-pin Phoenix-type connector for two VCA control lines of +10 VDC and ground; compatible with Crown 1-VCAP and 4-VCAP modules.

Miscellaneous

Cooling shall be by convection. Included protection mechanisms shall be current limiting, over-temperature thermal cutout, and DC-fault load protection.

Included accessories shall be a power cord, detachable rack ears, screws for rack ears, non-touch cover for output connectors, Phoenix-type connectors, and spade lugs. Optional accessories shall be a 1-VCAP remote volume control for one channel, and a 4-VCAP remote volume control for four channels.

The dimensions of the amplifier shall be EIA Standard 19-inch (48.3-cm) rack mount width (EIA RS-310-B) with rack ears, 3.5-inch (8.9-cm) height and 12.2-inch (31.0-cm) depth behind the mounting surface (not including non-touch cover); 4.1 inches (10.5 cm) high including feet; 13.9 inches (35.2 cm) deep from front of knobs to back of non-touch cover.

The amplifier shall weigh 30.3 lb (13.7 kg).

The amplifier shall be designated the Crown 660A.



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