

A-2120 H

MIXER AMPLIFIER



The A-2120 is a high cost-performance mixer power amplifier suited for broadcasting paging or background music in schools, offices, shops, factories, mosques, churches and large rooms.

Key features

- 4 versions available: 30 W, 60 W, 120 W or 240 W
- User-friendly front panel allows easy operation
- Excellent frequency response
- 3 electronically balanced microphone inputs, 2 AUX inputs and recording output
- Phantom power is provided to MIC 1, for supplying power to a condenser microphone
- Wide tone-control adjustment range of ± 10 dB for both bass and treble
- 100 V / 70 V line or 4 Ω speaker outputs
- 2-unit size

Specifications

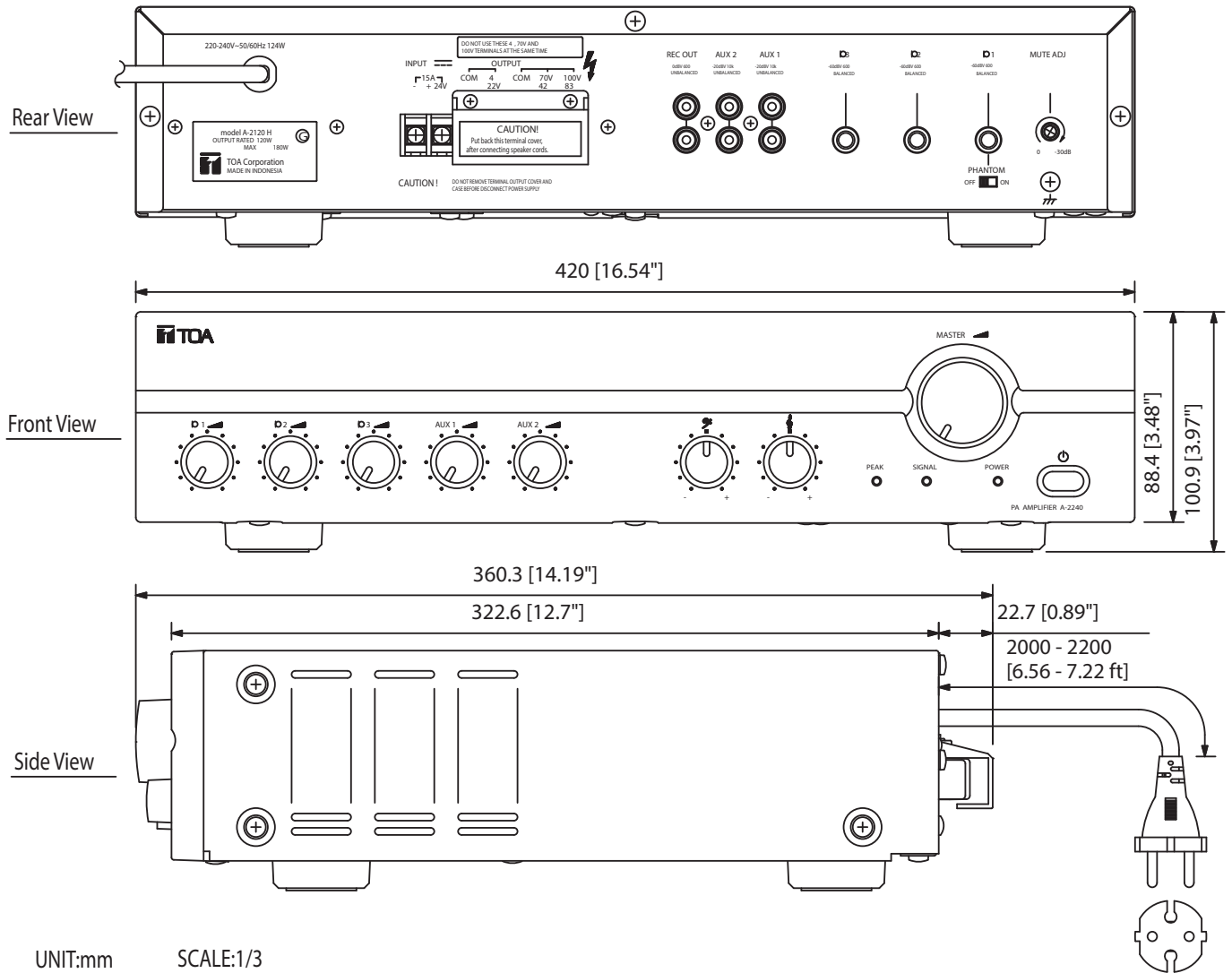
* 0 dB = 1 V

Power Source	220 - 240 V AC, or 24 - 30 V DC
Rated Output	120 W
Power Consumption	124 W (EN60065), 260 W (AC operation at rated output), 8 A (DC operation at rated output)
Frequency Response	50 - 20,000 Hz (± 3 dB)
Distortion	Under 1% at 1 kHz, 1/3 rated power
Input	MIC 1 - 3: -60 dB*, 600 Ω , balanced, phone jack AUX 1,2: -20 dB*, 10 k Ω , unbalanced, RCA pin jack
Output	Speaker out: Balanced (floating) High impedance: 83 Ω (100 V), 42 Ω (70 V) Low impedance: 4 Ω (22 V) Rec out: 0 dB*, 600 Ω , unbalanced, RCA pin jack
Tone Control	Bass: ± 10 dB at 100 Hz Treble: ± 10 dB at 10 kHz
Signal to Noise Ratio	Over 60 dB
Phantom Power	DC +21 V (MIC 1)
Muting	MIC 1: Mutes other input signals by 0 - 30 dB attenuation
Indicator	Power, signal, peak
Finish	Panel: ABS resin, black Case: Steel plate, black
Dimensions	420 (W) x 100.9 (H) x 360.3 (D) mm (16.54 x 3.97" x 14.19")
Weight	10.8 kg (23.81 lb)

Product rear image



Dimensions



A&E specifications

The mixer power amplifier shall operate on AC mains or 24 V DC power, and shall control and mix 3 balanced (phone jack) MIC and 2 unbalanced (RCA pin jack) AUX inputs. Speaker outputs shall be balanced (floating) high-impedance and low-impedance, and there shall be a low-impedance REC out. The amplifier shall meet the following performance criteria: Power output shall be 120 W at less than 1% THD (at 1 kHz, 1/3 rated power). Frequency response shall be 50 Hz to 20 kHz (+/-3 dB), with an S/N ratio of over 60 dB. Phantom power (DC +21 V) and muting (of other input signals by 0 – 30 dB attenuation) shall be available for MIC 1. Bass Tone Control shall be +/-10 dB at 100 Hz, and Treble Tone Control shall be +/-10 dB at 10 kHz. Power, signal and peak indicators shall be provided. The panel shall be ABS black resin, and the case black steel plate. Dimensions shall be 420 (W) x 100.9 (H) x 360.3 (D) mm, and weight 10.8 kg. The mixer power amplifier shall be TOA model A-2120.