

P-2240 H

BOOSTER AMPLIFIER



The P-2240 is power amplifier featuring high cost performance suit for paging applications in schools, churches, offices and retail stores.

Key features

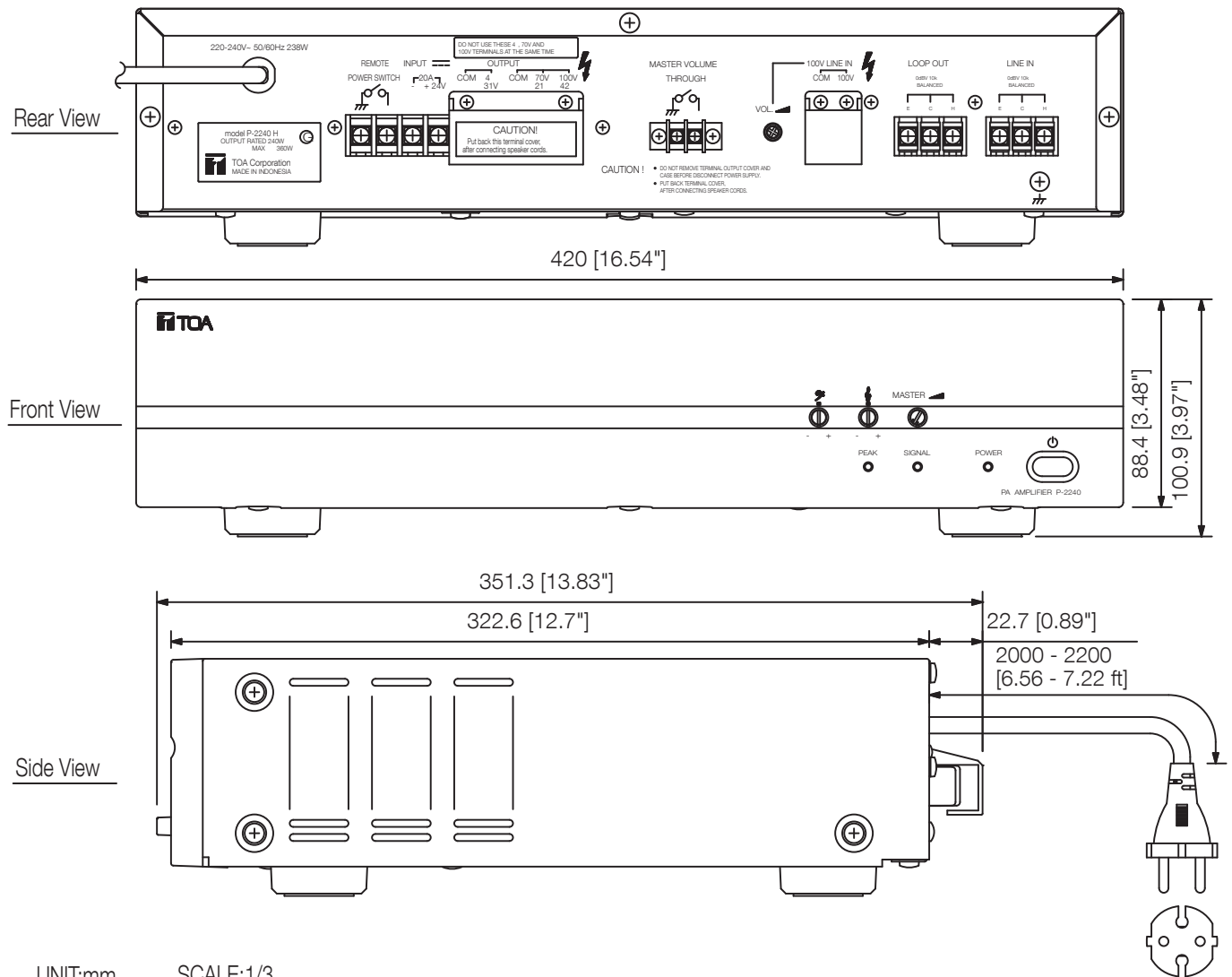
- 240 W output power
- 100 V line input allows connection to speaker output of A-2000 series amplifiers
- Remote power control allows operation independently from A-2000 series amplifiers
- Emergency bypass of master volume
- 2U high

Specifications

* 0 dB = 1 V

Power Source	220 - 240 V AC, or 24 - 30 V DC
Power Consumption	238 W (EN60065), 520 W (AC operation at rated output), 15 A (DC operation at rated output)
Input	Line in: 0 dB*, 10 k Ω , balanced, screw terminal 100 V line in: 40 dB*, 330 k Ω , unbalanced, screw terminal Power remote control: Make contact
Rated Output	240 W
Output	Loop out: 0 dB*, 10 k Ω , balanced, screw terminal Speaker out: Balanced (floating) High impedance: 42 Ω (100 V), 21 Ω (70 V) Low impedance: 4 Ω (31 V)
Frequency Response	50 - 20,000 Hz (± 3 dB)
Distortion	Under 1% at 1 kHz, 1/3 rated power
Signal to Noise Ratio	Over 60 dB
Tone Control	Bass: ± 10 dB at 100 Hz Treble: ± 10 dB at 10 kHz
Ventilation	Fan cooling
Finish	Panel: ABS resin, black Case: Steel plate, black
Dimensions	420 (W) x 100.9 (H) x 351.3 (D) mm (16.54 x 3.97" x 13.83")
Weight	13.2 kg (29.1 lb)

Dimensions



UNIT:mm

SCALE:1/3

A&E specifications

The booster amplifier shall operate on 220 – 240 V AC or 24 V DC power, and shall control and mix 1 balanced (screw terminal) Line in and 1 unbalanced (screw terminal) 100 V Line inputs. Outputs shall be balanced Loop out and balanced high and low impedance (floating) Speaker out. The amplifier shall meet the following performance criteria: Power output shall be 240 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. Bass Tone Control shall be +/-10 dB at 100 Hz, and Treble Tone Control shall be +/-10 dB at 10 kHz. It shall be possible to bypass the master volume to make emergency announcements. Power, signal and peak indicators, and fan cooling ventilation 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 351.3 (D) mm, and weight 13.2kg. The booster amplifier shall be TOA model P-2240.