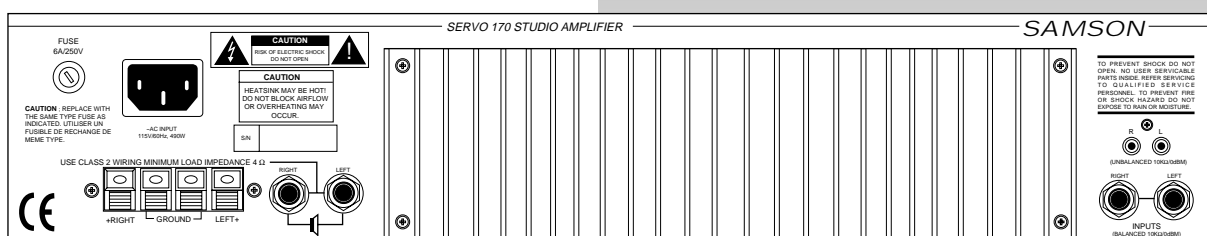
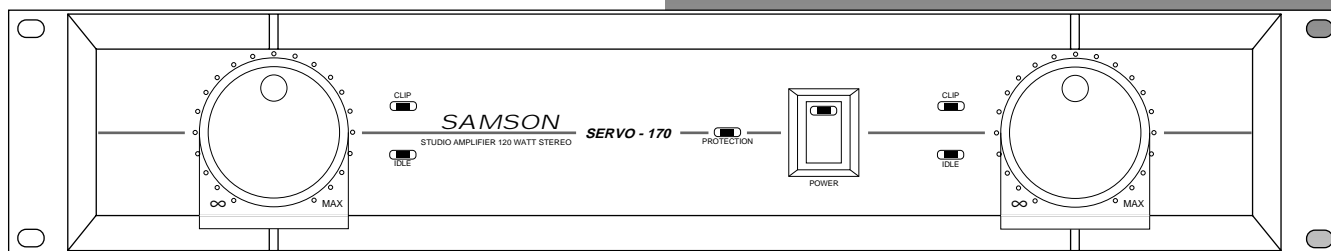


SERVO 170 POWER AMPLIFIER

SAMSON AUDIO



The Servo 170 power amplifier is designed for use in recording studios, live performance and distributed sound applications. This easy-to-install 2-space rack-mount stereo power amplifier delivers 85 watts per channel into a 4 ohm load, over a bandwidth of 20 Hz to 50 kHz. It utilizes high-current output power transistors and a bipolar circuit design that continuously keeps DC output during idling at or near 0 volts. The Servo 170 features 1/4" balanced inputs, 1/4" and push-spring terminal outputs, front-panel clip, idle and protection lights and thermal and overcurrent protection circuitry. The Servo 170 is convection cooled for silent operation, eliminating fan noise and filter maintenance.

Contact:

- Rack-mount stereo power amplifier (2-space).
- 85 watts per channel into 4 ohms (stereo).
- 20 Hz to 50 kHz frequency response.
- 1/4" inputs and outputs plus push-spring terminal outputs.
- Turn-on muting to prevent speaker "thumps."
- Servo protection circuitry continuously keeps DC output during idling at or near 0 V (thus keeping idle speakers at their 0 point).
- Protection circuitry against overheating and overcurrent.
- High-current output power transistors.
- Efficient bipolar circuit design.
- Front-panel clip, idle and protection lights.
- Independent left- and right-channel input controls with 41-position detents.
- Convection cooled (No Fan).
- All-steel chassis with black matte titanium finish and lightweight anodized aluminum heat sink.

ARCHITECT'S & ENGINEER'S SPECIFICATION

The power amplifier, being of two channels, shall deliver a minimum of 60 watts into loads of 8 ohms each with both channels operating, or 85 watts into loads of 4 ohms each with both channels operating. It shall be passively cooled, and shall have internal short-circuit and thermal protection circuitry. A protection LED indicator shall activate and the power amplifier shall shut down to protect against short circuits, overheating, severe overcurrent conditions or DC offset present at the outputs. The power amplifier shall have slow start-up and muted inputs on turn-on. Inputs shall be on balanced 1/4" tip-ring-sleeve connectors and outputs shall be on 1/4" phone connectors and on push-spring terminals. The front panel shall have independent level controls for left and right channels, a master power switch and LED indicators for Clip, Idle and amplifier protection.

The power amplifier shall have a frequency response of 20 Hz to 50 kHz, signal-to-noise equal to or greater than 103 dB and THD less than 0.03%. Total power consumed at full audio power shall be 330 W (115 Vac) and 330 watts (230/240 Vac). The dimensions shall allow for standard 19" EIA rack mounting. It shall be 3.5" (88 mm; 2 rack spaces) high and 9.5" (240 mm) deep. Weight shall be 13.7 lb. (6.2 kg). The power amplifier shall carry a three-year warranty.

The power amplifier shall be a SAMSON SERVO 170.

SERVO 170 SPECIFICATIONS

Rated Output Power (1 kHz):	85 W into 4 Ω per channel 60 W into 8 Ω per channel
Signal-To-Noise Ratio:	103 dB
Frequency Response:	20 Hz to 50 kHz
THD+N, 20 Hz to 20 kHz:	< 0.01%
Input Sensitivity:	0 dBm to achieve rated power (Level control set to maximum)
Crosstalk (at 7 kHz sine wave):	85 dB typical
Power Requirements:	115 Vac • 50/60 Hz
Power Consumption (at full power):	330 W (115 Vac) 330 W (230/240 Vac)
Dimensions:	3.5" (h) x 19" (w) x 9.5" (d) 88 mm (h) x 482 mm (w) x 240 mm (d)
Weight:	13.7 lbs. / 6.2 kg

FREQUENCY RESPONSE

