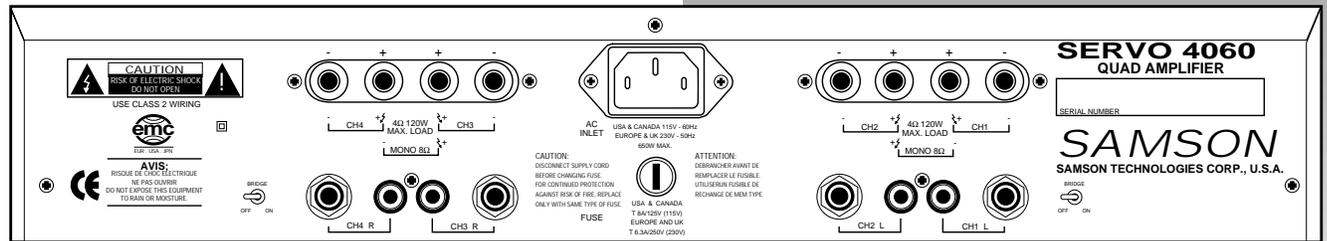


SERVO 4060 POWER AMPLIFIER

SAMSON AUDIO



The Servo 4060 power amplifier is designed for recording, live performance, distributed sound and other permanent A/V contracting applications. This easily installed 2-space rack-mount quad power amplifier delivers 60 watts per channel into a 4 ohm load (in stereo bridge mode, 120 watts into 8 ohms per pair), over a bandwidth of less than 10 Hz to 85 kHz. The four 60 watt amplifiers can be bridged separately to provide two 120 watt amps or one 120 watt amp and two 60 watt amps. The 4060 includes high-current output power transistors and an efficient bipolar circuit design that continuously keeps DC output during idling at or near 0 volts. It also features balanced 1/4" and RCA inputs and binding post outputs on the rear panel. The front panel includes two front-panel protection LEDs, four 3 color LED meters, four independent volume controls and thermal and over-current protection circuitry. The Servo 4060 is convection cooled for silent operation.

- Rack-mount 4-channel power amplifier (2-space).
- 60 watts per channel into 4 ohms (quad).
- 120 watts into 8 ohms (stereo bridge mode).
- 20 Hz to 50 kHz frequency response.
- Balanced 1/4" and unbalanced RCA inputs.
- Binding post outputs.
- Turn-on muting to prevent speaker "thumps."
- Servo circuitry protection against overheating and over-current.
- High-current output power transistors.
- Efficient bipolar circuit design continuously keeps DC output during idling at or near 0 V (thus maintaining idle speakers at their 0 point).
- 2 Front-panel protection LEDs, four 3-color LED meters, four separate volume controls.
- Four independent left- and right-channel input controls with 41-position detents.
- Convection cooled (No Fan).
- All-steel chassis with lightweight anodized aluminum heat sink.
- 3 Year warranty.

Contact:

ARCHITECT'S & ENGINEER'S SPECIFICATION

The power amplifier, being of four channels, shall deliver a minimum of 60 watts into loads of 4 ohms, or 120 watts into loads of 8 ohms when in the bridged mode, or 120 watts + 60 watts + 60 watts (one side bridged). 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 disconnect the amp loads 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 1/4" Tip-Ring-Sleeve balanced phone connectors and unbalanced RCA gold-plated connectors. Outputs shall be on insulated binding post connectors. The front panel shall have 4 independent level controls, each with a level indicator, a master power switch and amplifier protection LED.

The power amplifier shall have a frequency response of 10 Hz to 85 kHz (-3 dB), 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 360 W (120 Vac/60 Hz) and 395 W (220 Vac/50 Hz). The dimensions shall allow for standard 19" EIA rack mounting or 17.5" (444 mm) wide without rack ears. It shall be 3.25" (82.5 mm; 2 rack spaces) high and 10.75" (273 mm) deep. Weight shall be 25 lb. (11.3kg). The power amplifier shall carry a three-year warranty.

The power amplifier shall be a SAMSON SERVO 4060.

SERVO 4060 SPECIFICATIONS

Output Power (typical all channels driven):

	4 Ω, 1 kHz, 1% THD, 86 W
	4 Ω, 1 kHz, .0072% THD, 60 W
	8 Ω, 1 kHz, 1% THD, 57 W
	8 Ω, 1 kHz, .0046% THD, 47 W
	8 Ω bridged, 1 kHz, 1% THD, 171 W
	8 Ω bridged, 1 kHz, < .013% THD, 142 W
Frequency Response (-3 dB):	<10 Hz to 85 kHz
Frequency Response (1 watt):	20 Hz to 20 kHz, -0/-.2
Crosstalk (adj. channels):	-82 dB, 1 kHz @ rated output
Distortion (THD+N, 20 Hz to 20 kHz) (80 kHz LPF):	
at rated power:	< .08%
at 1 watt:	< .05%
Sensitivity (level control at maximum):	+4 dBu
Damping Factor (8 Ω):	> 180
Dynamic Range:	80 dB below rated output (20 Hz to 22 kHz B.P.F.)
Input Impedance:	>10 k Ω balanced/> 10 k Ω unbalanced
Power Consumption:	360 W @ 120 V/60 Hz 395 W @ 220 V/50 Hz
Dimensions:	17.5" (w) x 3.25" (h) x 10.75" (d) 444 mm (w) x 82.5 mm (h) x 273 mm (d)
Weight:	25 lb / 11.3 kg

FREQUENCY RESPONSE

