

NAD

2400 Stereo Power Amplifier

Date of manufacture : ?

Please note that this document contains the text from the original product brochure, and some technical statements may now be out of date



The 2400 has the same features and useful flexibility as the 2100 but produces significantly higher levels of real speaker-driving power. With continuous test tones its output is conservatively rated at 100 watts per channel, while its Power Envelope circuitry produces 370 to 440 watts channel of tone-burst power for music.

The high-current output stage of the 2400 delivers peak currents up to 40 amperes for precise control of voice-coil motion with speaker impedances as low as 2 ohms. In bridged mono operation the 2400 produces over 200 watts of steady-state power and over 800 watts of dynamic tone-burst power. To enable the user to make the fullest use of the available power, a warning light illuminates if the amplifier is over-driven into distortion or exhibits any deviation from linearity. A high-precision circuit continually compares the input and output signals and flashes the LED if a potentially audible difference is detected.

Each stage of the amplifier (input, driver, and output) is individually decoupled from the power supply to prevent the dynamic supply-modulation distortion that causes some amplifiers to sound "veiled" and muddy.

POWER AMP SECTION

Continuous output power into 8Ω *		100W (20dBW)
Rated distortion (THD 20Hz - 20kHz)		0.03%
Clipping power (maximum continuous power per channel)		130W
IHF Dynamic headroom at 8Ω		+5.7dB
IHF dynamic power (maximum short term power per channel)	8Ω	370W (25.7dBW)
	4Ω	400W (26dBW)
	2Ω	440W (26.4dBW)
Damping factor (ref. 8Ω, 50Hz)		>100
Input impedance		20kΩ / 600pF
Input sensitivity (for rated power into 8Ω)		1V
Frequency response		3Hz - 100kHz / +0, -3dB
Signal/noise ratio	ref. 1W	98dB
	ref. rated power	118dB
THD (20Hz - 20kHz)		<0.03%

Bridged Mode

Continuous output power into 8Ω *		200W (23dBW)
IHF Dynamic headroom at 8Ω		+6dB
IHF dynamic power (maximum short term power per channel)	8Ω	800W (29dBW)
	4Ω	880W (29.4dBW)

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	435 x 127 x 385mm
Net weight	10kg
Shipping weight	12kg
Power consumption (120 ~ 240V, 50/60Hz)	390VA

* Minimum power per channel, 20Hz - 20kHz, both channels driven with no more than rated distortion.

Dimensions are of unit's cabinet without attached feet; add up to 18mm for total height.

Dimension depth excludes terminals, sockets, controls and buttons.