

NAD

3240PE Stereo Receiver

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note that this document contains the text from the original product brochure, and some technical statements may now be out of date



According to a long-established industry custom, the highest-quality parts and most highly refined designs are found only in separate audio components - in preamps, power amplifiers, and tuners. Integrated amplifiers usually are made to a less exalted standard, while all-in-one stereo receivers are regarded as mid-fi products suitable only for first-time buyers.

But not at NAD. Whether you choose the flexibility of separates, the convenience of an integrated amplifier, or the economy of a receiver, all NAD audio components share a single design philosophy. Often the very same highly-refined circuits are used in both separates and combination products. For example, the NAD 3240PE integrated amplifier contains the best-buy 2240PE power amplifier, combined with preamplifier and control circuits similar to those in the 1240PE preamp. The 3240PE costs only a little more than other "medium-power" amplifiers, but its no-frills exterior conceals a powerhouse of advanced design. Its high-current output stage delivers full output to loudspeakers of any impedance (even as low as 2 ohms), producing peak currents up to 25 amperes for precise dynamic control of speaker voice-coil motion.

The 3240PE is conservatively rated to deliver 40 watts of continuous power per channel into either 8 or 4 ohms, but its Power Envelope design yields extraordinary reserves of tone-burst power for music. With +6 dB of dynamic headroom, the 3240PE delivers over 160 watts per channel at 8 ohms (200 watts/channel at 4 or 2 ohms) for the high-level transient peaks in today's wide-range recordings. And the 3240PE puts out 100 watts per channel of clean, clear power for the full 200-millisecond duration of the notes and chords of a grand piano, symphony orchestra, or large jazz band.

The preamplifier section of the 3240PE is based on the 1240PE's outstandingly quiet, wide-range phono stage. It features precise RIAA equalisation, very low noise, and ample headroom to accommodate the highest-level peaks without distortion. The dynamic range of the phono preamp circuit exceeds 100 dB. Bass EQ provides solid, subwoofer-like reinforcement of the low bass, extending the useful response of most loudspeakers an extra half-octave lower. It strengthens the fundamental tones of pipe organ, bass drum, and synthesizer with no boomy mid bass emphasis. The Bass EQ circuit rolls off sharply below 30 Hz to avoid woofer damage and minimise unwanted cone-flapping caused by note-musical signals such as LP disc warps.

NAD's unusually useful tone controls provide musically effective corrections at very low and high frequencies without altering the amplifier's fundamentally neutral midrange sound.

Preamp Out and Main In jacks make it easy for you to upgrade your audio system by adding an equaliser, a surround-sound processor, an electronic crossover, or another power amplifier.

NAD amplifiers are praised around the world for their advanced engineering, modest pricing, uncomplicated controls, and state-of-the-art sonic performance. For accuracy, freedom from noise and distortion, and supremely musical sound quality, the 3240PE is unmatched in value. It has power reserves to drive the finest loudspeakers with ease, and it will do justice to the finest recordings.

PRE-AMP SECTION

Phono input

Input impedance (<i>R and C</i>)	47k Ω / 100pF
Input sensitivity, (1kHz, ref. rated power)	3.2mV
Signal/Noise ratio (<i>A-weighted with cartridge connected</i>)	76dB ref. 5mV
THD (20Hz - 20kHz)	<0.04%
RIAA response accuracy (20Hz - 20kHz)	\pm 0.5dB

Line level inputs

Input impedance (<i>R and C</i>)	15k Ω / 100pF
Input sensitivity (<i>ref. rated power</i>)	160mV
Maximum input signal	>10V
Signal/Noise ratio (<i>A-weighted ref 1W</i>)	88dB
Frequency response (20Hz - 20kHz)	\pm 0.5dB
Infrasonic filter	-3db at 15Hz, 24dB/octave
THD	0.01%

Line level outputs

Output impedance	Pre-amp	600 Ω
	Tape	Source Z + 1k Ω
	Phones	220 Ω
Maximum output level		12V
	Tape	8V
	Phones	>10V into 600 Ω >500mV into 8 Ω

Tone controls

Treble	\pm 7dB at 10kHz
Bass	\pm 10dB at 50Hz
Bass EQ	+3dB at 70Hz +6dB at 40Hz

POWER AMP SECTION

Continuous output power into 8 Ω *	40W (16dBW)	
Rated distortion (THD 20Hz - 20kHz)	0.03%	
Clipping power (<i>maximum continuous power per channel</i>)	50W	
IHF Dynamic headroom at 8 Ω	+6dB	
IHF dynamic power (<i>maximum short term power per channel</i>)	8 Ω	160W (22dBW)
	4 Ω	200W (23dBW)
	2 Ω	250W (24dBW)
Damping factor (<i>ref. 8Ω, 50Hz</i>)	>50	
Input impedance	22k Ω / 880pF	
Input sensitivity (<i>for rated power into 8Ω</i>)	1V	
Frequency response	6Hz - 50kHz +0, -3dB	
Signal/noise ratio	ref. 1W	100dB
	ref. rated power	116dB
THD (20Hz - 20kHz)	<0.03%	
Remote	No	
NAD Link	No	

PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	420 x 108 x 380mm
Net weight	6.7kg
Shipping weight	8.0kg
Power consumption (120 ~ 240V, 50/60Hz)	230VA

* 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.