

# NAD 310

## Integrated Amplifier

- **2 x 20 Watts continuous power into 8 ohms**
- **80 watts dynamic power into 2 ohms**
- **5 line inputs, including mini jack input/output**
- **SuSi (Super Simple) circuit topology**
- **Massive 20 ampere peak current capability**
- **Tone controls defeat switch**

NAD products are particularly renowned for their value for money and the Model 310 is no exception. Pioneering new amplifier circuit topology gives this amplifier a level of performance which belie both its price and modest specifications.

### Features and Circuitry

The SuSi (Super Simple) topology gives the amplifier a peak current capability exceeding 20 Amperes and 85 Watts dynamic power into  $2\Omega$ , allowing it to drive even the most unreasonable loads (loudspeakers with very low impedance) with ease. Yet, the SuSi topology uses only 50% of components and achieves 20% higher efficiency compared to amplifiers of similar specification.

Combined with this design approach is one of eliminating all unnecessary features, such as loudness, which benefited the 310 by reinvesting the budget with better quality components such as a Hölmgren Toroidal™ transformer.

The return is a level of performance far beyond that which one would expect to experience at this price. This design approach inherent in all NAD products makes the NAD 310 amplifier the ideal component for an audiophile in a tight budget or as the centre for a second system.

Audiophiles on a budget will find the mini-jacks for both input and output on the front panel easy to connect or disconnect other budget music sources such as portable CD player, MiniDisc recorder or other personal audio components.



## SPECIFICATIONS - NAD 310

Continuous average power output into 8Ω		20W (13dBW)
(Min power per channel, 20Hz - 20kHz both channels driven with no more than rated distortion)		
Rated distortion (THD 20Hz - 20kHz)		0.05%
Clipping power (max continuous power per channel)		25W
IHF dynamic headroom at 8Ω		+3dB
IHF dynamic power	8Ω	40W (17.0dBW)
(max short term power per channel)	4Ω	60W (17.8dBW)
	2Ω	80W (18.7dBW)
Damping factor (ref. 8Ω 50Hz)		>100
Frequency response	20Hz - 20kHz	+0.3dB
	10Hz/70kHz	-3dB
THD (20Hz - 20kHz, from 250mW to rated power)		<0.05%
Input impedance (R and C)	Line inputs:	80kΩ+220pF
Input sensitivity (ref. rated power)	Line inputs:	210mV
Signal to noise ratio (A weighted)		93dB ref. 0.5W
		106dB ref. rated power
Frequency response (20Hz - 20kHz)		+0.5dB
Tape output impedance		Source Z + 1kΩ
Treble control		±6dB at 10kHz
Bass control		±7dB at 100Hz

## Physical specifications

Dimensions (W x H x D)	435 x 65 x 250mm
Net weight	5kg
Shipping weight	6kg

NOTE: NAD reserves the right to change specifications or design at any time without notice. All specifications are those in effect at time of printing.