NAD C300 Integrated Amplifier

• 2 x 25W Continuous power (8 ohms) • 45W Dynamic power (8 ohms)
• 70W Dynamic power (4 ohms) • 90W Dynamic power (2 ohms)
• In excess of 40A peak current! • Large, Toroidal "Holmgren" transformer
• "Class A" discrete amp module driver stage
• Non-intrusive protection against short circuits, overheating and DC offset
• All Discrete circuitry • Short signal path from input to output • All sockets Gold plated
• Remote control for Volume & Muting • Headphone socket • 7 Line inputs, including two tape in/outs • Tone control defeat switch

NAD has a formidable reputation when it comes to integrated amplifiers. The NAD 3020, which is widely regarded as a milestone amplifier; the 310 with its unusual circuit topology offering performance at a price not deemed possible and recently the all new C320, which is taking the world by storm, are some examples underscoring this reputation.

The C300 is Erik Edvardsen's latest amplifier design, partly a continuation of the C320 and a redevelopment of the 310. The C300's pre-amp circuit topology is virtually the same as that of the award-winning C320. Whereas the 310 used a combination of MOS-FET and Bi-polar output stage, the C300 uses an entirely MOS-FET output stage.

Although the C300 takes the place of the 310, it can't be viewed as a direct replacement. The superior performance, remote control, component quality make it even better value-for-money than the 310 is, even if it's at a slightly higher price-point.

Features:
The C300 is remote controlled for the most important functions: Volume and mute.

Flexibility is another NAD strong point. The C300 has 7 line inputs (including 2 tape in/outputs with dubbing facility) so will not run out of inputs easily. The headphone socket will drive virtually any non-electrostatic headphone.

It is fashionable to omit tone controls nowadays: However, provided that the tone controls are properly designed, these can really be a useful tool to make improvements to the overall sound. The C300 tone controls only work at the frequency extremes leaving the critical mid-band essentially unaltered. The tone control circuits can be completely bypassed by using the tone defeat switch.

SPECIFICATIONS - NAD C300

Stereo Mode

Continuous Average Power Output into 8 ohms	25W	
(Min. Power per channel, 20Hz-20kHz, both channels driven, with no more than rated distortion)		
Rated impedance	4-8ohms	
Rated distortion (THD 20Hz-20kHz)	0.03%	
Clipping power (maximum continuous power per channel)	30W	
IHF dynamic headroom at 8 ohms	+2.4dB	
IHF dynamic power:	8 ohms	43W
	4 ohms	65W
	2 ohms	90W
Damping factor	(ref. 8 ohms 50Hz)	>100
Peak undistorted O/P current (into 0.1—0.5ohms, both channels running)	40A	
Frequency response 20Hz-20kHz (Tone Control in)	<± 0.5dB	
at 10Hz/70kHz	-2dB	
THD (Total Harmonic Distortion, 20Hz-20kHz, from 250mW to rated output)	<0.03%	
SMPTE I. M. (IM distortion, 60Hz + 7kHz, 4:1, from 250mW to rated output)	<0.03%	
IHF I.M. (CCIF IM distortion, 19+20kHz at rated output) and DIM 100	<0.03%	

Line Level Inputs (DISC, CD, Video, Aux, Tuner, Tape 1, Tape 2)

Input impedance (R and C)	210kohms/320pF	
Input sensitivity (ref. rated power)	200mV	
Maximum input signal	5V rms	
Signal /Noise ratio, A-weighted	(ref.1W)	>100dB
(ref. rated power)	>114dB	
Line Level Outputs (Tape 1&2)		
Maximum output level	5V rms	

Tone Controls:

Treble	(at 10kHz)	±6dB
Bass	(at 100Hz)	±5dB

Physical Specifications

Dimensions in mm (W x H x D)	435 x 80 x 285mm	17 1/8" x 3 1/8" x 11 1/4"
Net weight	5.0kg	11 lbs
Shipping Weight	6.2kg	13.6 lbs