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# 106 Stereo Preamplifier

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Date of manufacture : Dec 92 - Dec 96

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note that this document contains the text from the original product brochure, and some technical statements may now be out of date

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Built upon the successful design of the NAD 1000, the NAD 106 offers 2 dramatic step up in sound quality. Metal film resistors, a larger mains transformer, improved capacitors and volume control, together with a redesigned PCB and phone pre-amp circuit all contribute to noise and distortion-free performance. Gold plated RCA inputs improve signal transfer and XLR connectors ensure optimum linkage to the power amplifier stage. Six audio/video inputs and three outputs permit a wide range of system set-ups in domestic and studio environments.

## PRE-AMP SECTION

### Phono input

Input impedance ( <i>R and C</i> )		47k $\Omega$ / 200pF
Input sensitivity, 1kHz	MM	1.25mV ref. 0.5V
	MC	0.08mV
Input overload at 20Hz / 1kHz / 20kHz		20 / 200 / 1700mV
Signal/Noise ratio ( <i>A-weighted with cartridge connected</i> )	MM	76dB ref. 5mV
	MC	76dB ref. 0.5mV
THD ( <i>20Hz - 20kHz</i> )		<0.2%
RIAA response accuracy	MM	$\pm$ 0.2dB ( <i>20Hz - 20kHz</i> )
	MC	$\pm$ 0.2dB ( <i>50Hz - 20kHz</i> )

### Line level inputs

Input impedance ( <i>R and C</i> )		20k $\Omega$ / 450pF
Input sensitivity ref. 0.5V		80mV
Maximum input signal		>10V
Signal/Noise ratio ( <i>A-weighted ref 0.5V</i> )		98dB
Frequency response		$\pm$ 0.2dB
THD		0.01%

### Line level outputs

Output impedance	Pre-amp	220 $\Omega$
	Tape	Source Z + 2k $\Omega$
	Phones	120 $\Omega$
Maximum output level	Pre-amp	>12V
	Tape	>10V
	Phones	>8V into 600 $\Omega$
		>250mV into 8 $\Omega$

### Tone controls

Treble	$\pm$ 7dB at 10kHz
Bass	$\pm$ 10dB at 50Hz

Remote	No
NAD Link	No

## PHYSICAL SPECIFICATIONS

Dimensions (W x H x D)	435 x 81 x 263mm
Net weight	3.7kg
Shipping weight	4.4kg
Power consumption (120 ~ 240V, 50/60Hz)	20W

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

Dimension depth excludes terminals, sockets, controls and buttons.