

# NAD 218THX

## Stereo Power Amplifier

- **2 x 200 Watts continuous power into 8ohms (230 V version)**  
**2 x 225 Watts continuous power into 8ohms (120 V version)**
- **Dynamic Power 250, 430, 660 W into 8, 4 and 2 ohms (230V)**  
**Dynamic Power 280, 470, 700 W into 8, 4 and 2 ohms (120V)**
- **Low loss, massive Holmgren™ toroidal mains transformer**
- **Dual mono, Left and Right mirror image amplifier PCBs**
- **Fully balanced XLR inputs**
- **Soft Clipping**
- **Protection circuitry senses short circuits, DC and overheating**
- **Bridgeable; 700 W into 8 ; 1.2 kW dynamic power into 4**

The all-new NAD Model 218 THX joins the award winning range of NAD Power Amplifiers combining the traditional NAD virtues of excellent performance and value-for-money, further enhancing NAD's enviable reputation for State-of-the-Art products at sensible prices.

The key design goals of the new range are PERFORMANCE and RELIABILITY, attained by efficient innovative design, simple circuitry and meticulous engineering.

### Circuitry

The NAD 218 THX is designed with the capability to drive all types of musical signals effortlessly into the even most unreasonable of loudspeakers loads. To cope with difficult loads (even as low as 1ohms), the NAD Model 218 THX is equipped with a high current output stage combined with a very generous power supply. The massive "Holmgren" toroidal transformer, has even less hum and magnetic leakage than conventional toroids, and retains the usual benefits of high efficiency and power-to-weight ratio.

Pioneered by NAD for the highly acclaimed Model 208 THX, the Model 218 THX uses a bank of reservoir capacitors rather than a single pair. Besides being a more economical solution this is also technically superior as many smaller capacitors have a faster recovery time and less total inductance than a single pair of larger capacitors. The input stage is fed from a separate low-noise, regulated power supply which isolates it from the high power sections eliminating interference.

### Additional features

The Model 218 THX comes with fully balanced XLR inputs which allow it to be partnered with professional equipment or with long stretches of cable between the pre- and power amplifier without the risk of interference. The standard 19 inch rack mounting front panel further facilitate the use of the Model 218 THX in a professional environment. The output relay protection circuit provides silent switch on and off, together with non-evasive protection against unlikely error conditions such as short circuits and overheating.

For maximum flexibility, the NAD Model 218 THX can also be operated in bridged mono mode, typically tripling its output power rating. This makes the NAD 218 THX an ideal choice for a sub-woofer amplifier or high powered amplifier in THX or other Home Theater applications.

The Model 218 THX also incorporates NAD's acclaimed switchable "Soft Clipping" circuit which significantly reduces the risk of damage to loudspeakers due to prolonged high power operation.

NAD was the first company to introduce a THX certified power amplifier. It is therefore no surprise that the NAD Model 218 THX passes Lucas Films' stringent THX requirements with flying colours.

### The listening experience

Whilst there are other very powerful amplifiers available, the NAD Model 218 THX goes beyond just brute force: It's sonic performance is among the very best available, be it at low or high power levels.



## SPECIFICATIONS - NAD 218 THX

### Unbridged (Stereo) Mode

		<b>120V</b>	<b>230V</b>
CONTINUOUS OUTPUT POWER		225W (23.5 dBW)	200W (23 dBW)
<small>(Minimum power per channel, 20Hz-20kHz, both channels driven, with no more than rated distortion)</small>			
Rated distortion <small>(THD 20Hz-20kHz)</small>		0.03%	
Clipping power <small>(maximum continuous power per channel)</small>		240W (23.8 dBW)	210W (23.2 dBW)
IHF dynamic headroom at 8ohms		1 dB	
IHF dynamic power	8	280W (24.5 dBW)	250W (24 dBW)
<small>(maximum short term power per channel)</small>	4	470W (26.7 dBW)	430W (26.3 dBW)
	2	700W (28.4 dBW)	660W (28.2 dBW)
Slew rate		>100V/μs	
Damping factor <small>(ref. 8ohms, 50Hz)</small>		>200	
Input impedance		47k /700pF	
Input sensitivity <small>(for rated power into 8ohms)</small>		1.4V	
Voltage gain		x 28.3 (29 dB)	
Frequency response	20Hz-20kHz	+ 0.3 dB	
	-3dB at	2.5Hz / 80kHz	
Signal/Noise ratio	ref. 1 W	96 dB	
	ref. rated power	120 dB	
THD + SMPTE I.M. + IHF I.M.		<0.03%	

### Bridged (Monophonic) Mode

CONTINUOUS AVERAGE POWER OUTPUT INTO 8		780W (28.9 dBW)	700W (28.5 dBW)
<small>(Minimum power per channel, 20Hz-20kHz, both channels driven, with no more than rated distortion)</small>			
IHF dynamic headroom at 8ohms		1 dB	
IHF dynamic power	8	940W (29.7 dBW)	880W (29.4 dBW)
<small>(maximum short term power per channel)</small>	4	1.3kW (31.1 dBW)	1.2kW (30.8 dBW)

### Physical Specifications

Dimensions	483 x 175 x 370mm
Net Weight	23kg
Shipping Weigth	30kg

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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.