208THX Stereo Power Amplifier

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note that this document contains the text from the original product brochure, and some technical statements may now be out of date

Designed and assembled to professional recording studio standards, the 208 delivers unsurpassed levels of high power combined with an enviable audiophile performance. Every aspect of the 208's components, circuitry and features have been developed absolutely without compromise so that a much impressed reviewer in the respected Swedish audio journal New Music and Sound Technology wrote in June 1994, "This is the best power amplifier I have experienced ever".
The specification which earned this and other similar accolades is awesome. First grade components are employed throughout, including precision metal film resistors, high quality capacitors and a truly massive toroidal transformer which assures a noise free open sound stage and totally transparent audio quality. The MOSFET output stage delivers power plus signal speed and control, driving any loudspeaker load, even below I ohm. Switchable balanced and unbalanced connections are provided with a choice of professional XLR or phono sockets for more flexible use.
Although the NAD principles of uncluttered design are incorporated into the 208, Soft Clipping and Extended Dynamic Power circuits are included, which both protect the amplifier from over enthusiastic use of the volume control and add to the musicality without any loss of dynamics or dramatic performance.

Absolutely every relevant design detail has been considered, down to gold plating on the connectors and heavy duty binding post speaker terminals. The nominal 250 watts per channel will extend to 600 watts peak entirely without a sense of strain or effort.

Bridged for mono, a pair of 208' s (a combination which won Five Star approval by What Hi Fi? in 1993), can provide up to 1800 watts peak, academic figures which nevertheless guarantee serious audio quality across the entire sound spectrum.

POWER AMP SECTION

Continuous output power into 8Ω *		250W (24dBW)
Rated distortion *(THD 20Hz - 20kHz)*		0.03%
Clipping power *(maximum continuous power per channel)*		300W
IHF Dynamic headroom at 8Ω		+4dB
IHF dynamic power *(maximum short term power per channel)*	8Ω	600W (28dBW)
	4Ω	800W (29dBW)
	2Ω	1000W (30dBW)
Damping factor *(ref. 8Ω, 50Hz)*		>200
Input impedance		20kΩ / 700pF
Input sensitivity *(for rated power into 8Ω)*		1.6V
Frequency response		20Hz - 20kHz / ±0.3dB
Signal/noise ratio	ref. 1W	96dB
	ref. rated power	120dB
THD *(20Hz - 20kHz)*		<0.03%

Bridged Mode

Continuous output power into 8Ω *		500W (27dBW)
IHF Dynamic headroom at 8Ω		+5dB
IHF dynamic power *(maximum short term power per channel)*	8Ω	1.6kW (32dBW)
	4Ω	2kW (33dBW)

PHYSICAL SPECIFICATIONS

Dimensions *(W x H x D)*	435 x 175 x 370mm
Net weight	17.3kg
Shipping weight	19.9kg
Power consumption *(120 ~ 240V, 50/60Hz)*	750VA

* Minimum power per chnnel, 20Hz - 20kHz, both channels driven with no more than rated distiortion.

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

Dimension depth excludes terminals, sockets, controls and buttons.