

THE McIntOSH MC 7200 POWER AMPLIFIER

TECHNI-DATA QUICKSHEET

Here are some additional benefits of owning the MC 7200:

The output is so distortion-free that it defies measurement, even with the finest distortion analysis instruments. At mid frequencies, 8 ohm load, the distortion meter reads the residual distortion of the oscillator (0.002%) with or without the MC 7200 in the circuit. This means the amplifier distortion is lower than the analyzer is capable of measuring.

Full power output capability is well above and below the frequencies that can be heard by humans.

More than 50 amperes of peak output current is available to drive uneven speaker loads. Poor speaker designs have input impedance curves that dip to 1 or 2 ohms at various frequencies. The MC 7200 has the output current reserve to drive these speakers.

The McIntosh 50 ampere gold plated output terminals will deliver full output power to speaker wires from 18 GA to 4 GA (4 gauge wire is .204 inches in diameter, nearly 1/4 of an inch). You can connect directly to the wire without special lugs or pins that can cause power loss.

Huge main filter capacitors guarantee the energy storage necessary for the amplifier's excellent signal to noise ratio and the wide dynamic range that digital audio demands.

Modern technology has made it possible to build preamplifiers and amplifiers with the high signal to noise ratio necessary to reproduce the sound quality present on compact discs. Interconnecting cables can pick up electrical interference from other equipment or appliances which can depreciate the excellent dynamics of today's equipment performance. The balanced inputs of the MC 7200 provide a minimum of 40dB more protection against such noise pick-up.

SERVICE CONTRACT

To give you even greater value, with the McIntosh MC7200 you can get a free 3 YEAR SERVICE CONTRACT! For three full years it will cost you absolutely nothing for parts or labor for repair to your MC7200. Remember, the McIntosh Service Contract covers wear and tear not just manufacturing defects. From its gold plated input connectors to its massive gold plated output connectors the McIntosh MC7200 is your wise choice.



A NEW AMPLIFIER DESIGNED FOR A NEW AGE OF HOME ENTERTAINMENT

The MC 7200 stereo power amplifier is rugged and reliable. The mechanical and electrical design is the result of the many years of engineering and manufacturing experience by the designers at McIntosh. This "know how", combined with meticulous attention to design and production details, makes the MC 7200 one of the finest products produced by McIntosh Laboratory.

The MC 7200 incorporates six protection circuits which insure its total reliability; six protection circuits that protect the music and your listening, not interfere with them.

They are:

1. Power Guard* - eliminates amplifier clipping due to overdrive
2. Sentry Monitor** - prevents overload of the output transistors
3. Thermal Shutdown - will interrupt the AC power if temperatures become excessive
4. Turn-On Delay - prevents pops, thumps or annoying noises from damaging loudspeakers
5. DC Failure Protection - short circuits any DC to prevent loudspeaker damage
6. Power Line Surge Protection - regulates any power line surges to safe operating levels

Some manufacturers of power amplifiers have claimed that their products do not use protection circuits and that such circuits compromise performance. It is indeed possible for such circuits to cause substantial amounts of distortion and undesirable listening effects which is true of almost any protective circuit design. The real genius of good design recognizes these problems and circumvents them while retaining the real merits of the protective circuits. These are just some of the extra values you receive when you invest in McIntosh equipment. It is precisely for this reason that it takes longer to complete a McIntosh engineering design task. From such engineering dedication comes the McIntosh reputation for highest sound quality with greatest long term reliability.

* U.S. Patent No. 4048573

** U.S. Patent No. 3526846



PERFORMANCE LIMITS

Performance limits are the maximum deviation from perfection permitted for a McIntosh instrument. We promise you that when you purchase a new MC7200 from a McIntosh franchised dealer, it will be capable of or can be made capable of performance at or exceeding these limits or you can return the unit and get your money back. McIntosh is the only manufacturer that makes this statement.

PERFORMANCE

McIntosh audio power ratings are in accordance with the Federal Trade Commission Regulation of November 4, 1974 concerning power output claims for amplifiers used in home entertainment products.

POWER OUTPUT**STEREO**

200 watts across 8 ohm or 300 watts across 4 ohm loads is the minimum sine wave continuous average power output per channel for 20 Hz to 20,000 Hz with both channels operating.

MONO (Bridged)

600 watts minimum sine wave continuous average power output across an 8 ohm load from 20 Hz to 20,000 Hz.

OUTPUT LOAD IMPEDANCE

STEREO: 4 ohms or 8 ohms.

MONO: 8 ohms obtained by connecting to the output terminals (L and R) of both channels.

RATED POWER BAND

20 Hz to 20,000 Hz

TOTAL HARMONIC DISTORTION**STEREO**

0.005% maximum harmonic distortion at any power level from 250 milliwatts to rated power per channel from 20 Hz to 20,000 Hz, both channels operating.

MONO

0.005% maximum harmonic distortion at any power level from 250 milliwatts to rated power from 20 Hz to 20,000 Hz.

INTERMODULATION DISTORTION**STEREO**

0.005% maximum if instantaneous peak power output does not exceed twice the output rating or less per channel with both channels operating for any combination of frequencies, 20 Hz to 20,000 Hz.

MONO

0.005% maximum if instantaneous peak power output does not exceed twice the output rating or less for any combination of frequencies, 20 Hz to 20,000 Hz.

FREQUENCY RESPONSE (at one watt output)

+0, -0.25dB from 20 Hz to 20,000 Hz

+0, -3.0dB from 10 Hz to 100,000 Hz

HUM AND NOISE

105dB below rated output (A weighted).

RATINGS**DAMPING FACTOR**

Greater than 200

INPUT IMPEDANCE

20,000 ohms UNBALANCED

40,000 ohms BALANCED

INPUT SENSITIVITY

Switchable for either 1.4 volt or 2.5 volt

POWER GUARD

Clipping is prevented and THD does not exceed 2% with up to 20 dB overdrive at 1 kHz

GENERAL INFORMATION**POWER REQUIREMENT**

120 volts, 50/60 Hz, 0.6 to 15 amperes

SEMICONDUCTOR COMPLEMENT

84 Transistors

63 Diodes

6 IC

2 Triac

MECHANICAL INFORMATION**SIZE**

Front panel measures 16 3/16 inches wide (41.1 cm) by 7 1/8 inches high (18.1 cm). Chassis measures 14 3/4 inches wide (37.5 cm) by 5 1/4 inches high (13.3 cm) by 15 5/8 inches deep (39.7 cm), including connectors. Clearance required in front of the mounting panel is 3/4 inches (1.9 cm).

FINISH

Front panel is glass with gold/teal nomenclature illumination and anodized gold and black aluminum. Chassis is black.

MOUNTING

McIntosh developed professional PANLOC.

WEIGHT

53 pounds (24 kg) net,

65 pounds (29.5 kg) in shipping carton.

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