The MA6300 is the latest integrated amplifier, rich with all the premium technologies that McIntosh is famous for including Power Assurance System and Silent Electromagnetic Switching. With 100 watts per channel at 8-Ohms and 160 watts into 4-Ohm loads, the MA6300 can effortlessly power virtually any speaker from one of seven source selections: CD1, CD2, Tuner, Phono, Tape, TV and DVD.

Featured in the MA6300 is a dedicated, high performance headphone amplifier boasting low noise, extended frequency response and featuring ample gain to drive the finest quality headphones to life-like levels. A robust ¼” front panel jack is easily accessible and provides for years of personal listening enjoyment.

A pair of distinctive “blue eyes” output meters highlights the Fiber-Optic Illuminated Glass front panel from which the controls for Balance, Volume, Mute, Standby/On, and the seven Source Selection Buttons are all readily accessible. A turn on delay prevents annoying pops or thumps while protecting loudspeakers.

Only McIntosh can combine two basic audio components into a single instrument and still retain traditional McIntosh performance, quality and reliability. The MA6300 provides all of this in a more compact, space saving configuration. Those considering a McIntosh system for the first time will find the MA6300 a very comfortable place to start.

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“the latest McIntosh engineering, applied to an audiophile focused design”

Balanced XLR connection for the CD1 Input
MM Phono Input
Preamp Out and Power Amp Input Jacks
Serial Data Output Port for Each Input Selection
Power Guard®
Turn On Delay
R-Core Transformer
¼ Front Panel Headphone Jack
Remote Control
MA6300 INTEGRATED AMPLIFIER

POWER OUTPUT
100 watts into an 8 Ohm load is the minimum sine wave continuous average power output. The output RMS voltage is 28.3V across 8 Ohms.

160 watts into a 4 Ohm load is the minimum sine wave continuous average power output. The output RMS voltage is 25.3V across 4 Ohms.

OUTPUT LOAD IMPEDANCE
8 and 4 Ohms

RATED POWER BAND
20Hz to 20kHz

TOTAL HARMONIC DISTORTION
0.005% max harmonic distortion at any power level from 250 milliwatts to rated power, 20Hz to 20kHz

DYNAMIC HEADROOM
1.4dB

FREQUENCY RESPONSE
+0, -0.5dB from 20Hz to 20kHz
+0, -3dB from 10Hz to 100kHz

PREAMPLIFIER MAIN OUTPUT
1V for rated input (8V maximum)

SENSITIVITY (FOR RATED OUTPUT)
High level: 250mV unbalanced, 500mV Balanced; Phono: 2.5mV, Power Amp In: 1V

SIGNAL-TO-NOISE RATIO (A-Weighted)
High Level: 97dB below rated output
Phono: 90dB below 10mV input
Power Amplifier In: 90dB

INTERMODULATION DISTORTION
0.005% max, if the instantaneous peak power output is rated power or less per channel with both channels operating for any combination of frequencies from 20Hz to 20kHz

WIDE BAND DAMPING FACTOR
200 at 8 Ohms; 100 at 4 Ohms

INPUT IMPEDANCE
High Level: 20K Ohms; Phono: 47K Ohms: 65pF; Power Amp In: 10K Ohms

MAXIMUM INPUT SIGNAL
High Level: 8V; Phono: 90mV; Power Amplifier In: 8V

MAIN OUTPUT IMPEDANCE
50 Ohms

POWER GUARD
Less than 2% THD with up to 16dB overdrive at 1000Hz

VOLTAGE GAIN
High Level to Tape Output: 0dB
High Level to Main Output: 12dB
Phono to Main Output: 52dB

POWER REQUIREMENTS
100/110 Volts, 50/60Hz at 3.6 amps
120 Volts, 50/60Hz at 3.2 amps
220/230/240 Volts, 50/60Hz at 1.8 amps

OVERALL DIMENSIONS (HxWxD)
7-5/8” (19.4cm) x 17-1/2” (44.5cm) x 22” (55.9cm) including front panel and knobs.

WEIGHT
37 lbs. (16.8kg) net, 55 lbs. (24.9kg) boxed

EXCLUSIVE MCINTOSH POWER ASSURANCE SYSTEM
A collection of technologies that enhance performance and reliability while protecting the amplifier and loudspeakers.

POWER GUARD®
A waveform comparison circuit continuously monitors both input and output signals. Power Guard dynamically adjusts the input level to avoid clipping while preventing harsh sounding distortion.

SENTRY MONITOR®
Fuse-less short-circuit protection circuit disengages the output stage before current exceeds safe operating level – resets automatically.

WATTMETER
Swift, accurate response reveals program peaks so staying within the power limits of your loudspeakers is easy.

FOR THE CONSUMER’S PROTECTION
In order to ensure the highest level of customer satisfaction, “new” McIntosh products may only be purchased over-the-counter or delivered and installed by an Authorized McIntosh Dealer.

McIntosh products that are purchased over the Internet, by phone or mail order are presumed to be “used” and do not qualify for any McIntosh Warranty. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized Dealer or products that have had their serial number altered or defaced.

To experience the legendary performance of McIntosh, please call on us at 1-800-538-6576