



CLASS A STEREO POWER AMPLIFIER A-03

General	
Power supply	AC 230 V, 50 Hz / AC 120 V, 60 Hz / AC 220 V, 60 Hz
Power consumption	400 W
External dimensions (W x H x D)	445 x 220 x 430 mm (17 1/2" x 8 5/8" x 17")
Weight	38 kg (84 lb)
Allowable operating temperature	+10 °C to +30 °C (+50 °F to +86 °F)
Allowable operating humidity	5 % to 85 % (no dew condensation)
Allowable storage temperature	- 20 °C to + 55 °C (-4 °F to 12 °F)
Amplifier Section	
Rated output power	STEREO : 50 W + 50 W (1 kHz, 8 Ω) / 100 W + 100 W (1 kHz, 4 Ω) BTL : 200 W (1 kHz, 8 Ω) / 330 W (1 kHz, 4 Ω)
Maximum useful output power	STEREO : 77 W + 77 W (1 kHz, 8 Ω) / 127 W + 127 W (1 kHz, 4 Ω) BTL : 270 W (1 kHz, 8 Ω) / 400 W (1 kHz, 4 Ω)
Frequency response	5 Hz to 100 kHz (1 W, 8 Ω +0/-1.2 dB)
Signal-to-noise ratio	more than 117 dB
Total harmonic distortion	0.009 % (1 kHz, rated output, 8 Ω)
Minimum allowable speaker impedance	STEREO: 4 Ω / BTL: 4 Ω
Warranted range for Class A amplification	50 W + 50 W (1 kHz, 8 Ω)
Input sensitivity (rated output)	RCA (STEREO): 0.76 Vrms/50 W (8 Ω) / XLR (STEREO): 1.56 Vrms/50 W (8 Ω) RCA (BTL): 1.62 Vrms/200 W (8 Ω) / XLR (BTL): 2.35 Vrms/200 W (8 Ω)
Input impedance	50 W + 50 W (8 Ω) / RCA: 150 kΩ / XLR: 320 kΩ
Gain	RCA (STEREO): 28.4 dB

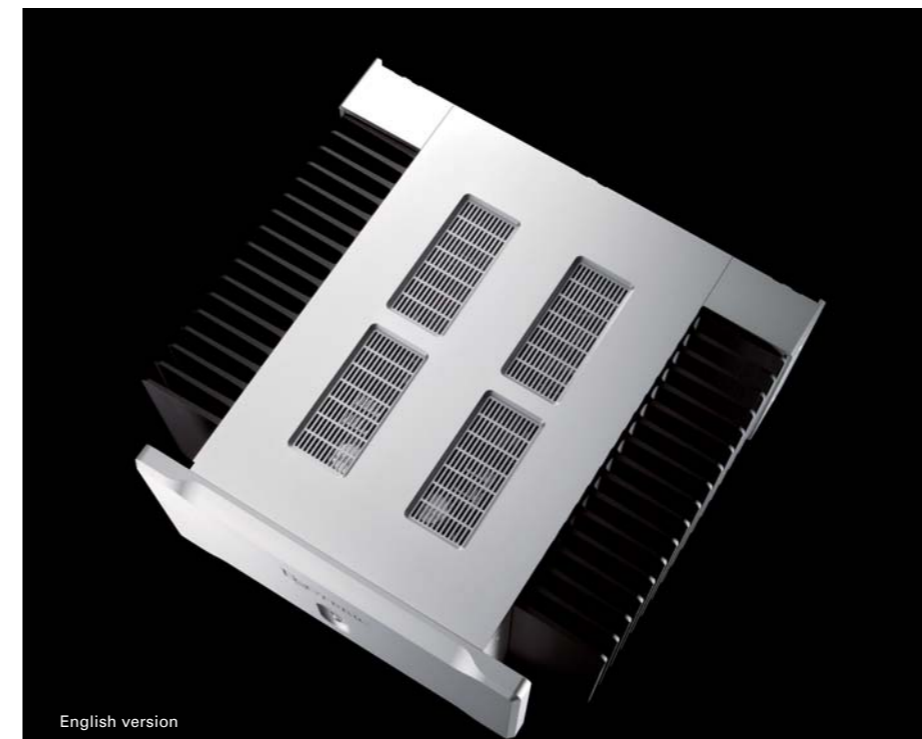
- Design and specifications are subject to change without notice.
- Weight and dimensions are approximate.
- Illustrations may differ slightly from production models.
- This product is available in three different power supply variations shown in the chart above. Make sure that the voltage shown on the rear panel matches the AC line voltage in your area.
- The shape of the AC inlet and plug of the supplied power cord depends on the voltage rating and destination country.

- Accessories**
- Power cord x 1
 - Felt pads x 4
 - Power plug support bracket x 1
 - Screw for the power plug support bracket x 2
 - Owner's manual x 1
 - Warranty card x 1

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English version



As you have never experienced it before,
the vivid colors of live music!

The grandeur of a Stradivarius; the clarity of a Steinway. The original master tapes record each and every part of the music's essence, ranging from the fine flavor of individual sounds, or the beauty of a symphony when those sounds are richly blended, to the ambience of the concert hall and the enthusiasm of the audience.

ESOTERIC's Master Sound Works concept pursues the vivid reproduction of these elements. Born of ESOTERIC's years of experience in the development of state-of-the-art technology, this is our latest evolution in sound quality: the Class A Stereo Power Amplifier A-03. An elegant figure with enormous potential ---its beautiful presence and exceptional output heralds the cutting edge of audio amplification. In the A-03, you encounter vivid sounds of unprecedented intensity, bringing you an even more intimate relationship with your music.

MASTER SOUND WORKS



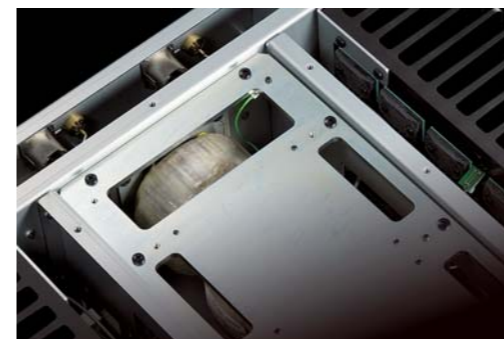
CLASS A STEREO POWER AMPLIFIER A-03

Following the L/R dual mono concept to maximize the purity of music

The A-03's superior channel separation, stable orientation, and depth of sound, will make you feel as though separate monaural amplifiers were used for each channel. This model employs dedicated dual mono technology that established Esoteric's reputation for high-end design implementation. Equipped with independent power sections featuring dedicated toroidal transformers for the left and right channels, this amplifier also boasts enhanced mechanical strength and rigidity. Separate dedicated compartments for the power transformer, the power circuits and the voltage and current amplifier stages, all help to prevent electrical interference between components.

Rapid, generous power supply from separate high-capacity toroidal transformers

Dramatic transitions between sounds, each of which is injected with life by the A-03's power supply capacity, directly arouse musical emotion. The power section of the current amplifier stage---which drives the speakers---features independent, large volume toroidal transformers, mounted on the left and right channels. This enhances the amplifier's ability to supply current to each channel's speakers, while preventing interference between the channels. By using an independent transformer and power circuit for the voltage amplifier stage, which drives the current amplifier stage, the effect of variations in the voltage is suppressed and the current amplifier receives a stable power supply. Separating each circuit block into power circuits and providing independent transformers reduces cross channel interference and enables both robustness and a delicacy of expression within the music.



Large toroidal transformer
(Voltage amplification stage)

Pure "Class A" amplifier circuits to follow every motion of the recorded material.

The performance capability to beautifully reproduce an outstanding musical climax, or a nuance of simple acoustic delicacy, is one of the most important core qualities in an audio amplifier. A pure class A implementation with low distortion and high linearity is used for the amplifier circuit. This design always ensures an idling current that can output a minimum of 50 watts RMS with an 8 ohm load. This, provides excellent responsiveness for sudden bursts of high volume demand, as well as high purity of expression. Large transistors with a current supply ability of 17 amps. for continuous output, and 34 amps. for sudden bursts of high output, are used for the current amplifier stage. Five of these transistors are mounted in a parallel push-pull configuration for each channel, driving all speakers without compromise.

Usable as a monaural power amplifier with bridged ("BTL"), connection

By using this product as a monaural power amplifier in bridged (BTL), mode, a minimum output of 200 watts at 8 ohms can be achieved.

Obsessive use of high grade components everywhere

We have gone to extremes to use the highest quality components to maintain signal clarity and minimize transmission loss. For connection terminals, the amplifier uses the XLR input terminal---which is highly reliable and provides excellent contact---along with ESOTERIC's original RCA input terminal. In addition, the WBT nextgen; WBT-0710Cu speaker terminals have conductor cores of pure copper with gold plating to achieve high conductivity and low resistance. On top of this, we have used ultra high grade components such as an electrolytic capacitor and a high frequency/low impedance transistor. These components were selected based on property examination and trial listening. It is an Esoteric requirement that all critical components undergo exhaustive listening tests before any final section is made.



Large output transistor / Schottky barrier diode
(Current amplification stage)

A highly rigid structure to prevent circuit interference and suppress resonance

The A-03 features a highly rigid body construction that surpasses a great number of power amplifiers. The amplifier's mass of about 38 kg (84 lbs.) presages excellent musical purity protected by thick steel. The internal circuit components are separated into dedicated inner compartments for each circuit, partitioned by 2 mm steel walls. Combined with a 5 mm steel bottom chassis, interference between circuits is prevented and the adverse effects of resonance caused by internal and external vibrations are minimized. Also, the unique chilled steel pinpoint feet provide a very strong four-point support system for the heavyweight housing.

ESOTERIC's proprietary design generates a beautiful sound space

If audio equipment is your passion, it must be beautiful. ESOTERIC's proprietary high-end orientation and noise isolation provides the A-03 with a smart and practical presence. A combination of blast finishing and short scratch finishing on the 20 mm thick aluminum panels create a beautiful contrast. With its elegant rounded form and large heat sink, processed from symmetrically-placed black alumite, the A-03 contributes to an elegant audio space, creating a sense of beautiful integration with ESOTERIC's other high end products.

Now equipped with warm-up mode

This function enables the device to be warmed up to play audio, while reducing electric power consumption (As compared to normal operation). At warm-up mode: power consumption of 220 watts (a reduction of about 45%) is achieved.



Large heat sink finished in black alumite