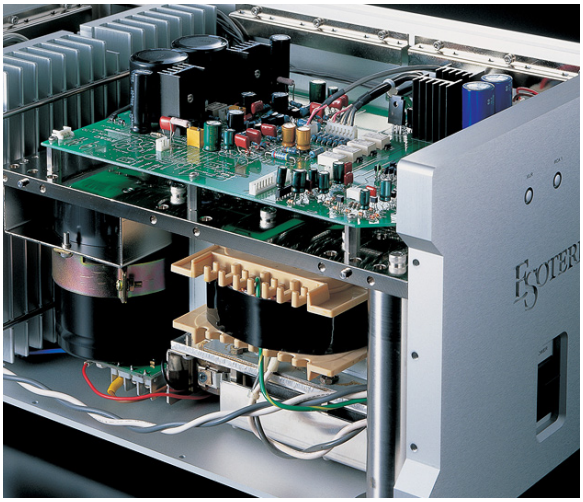
ESOTERIC

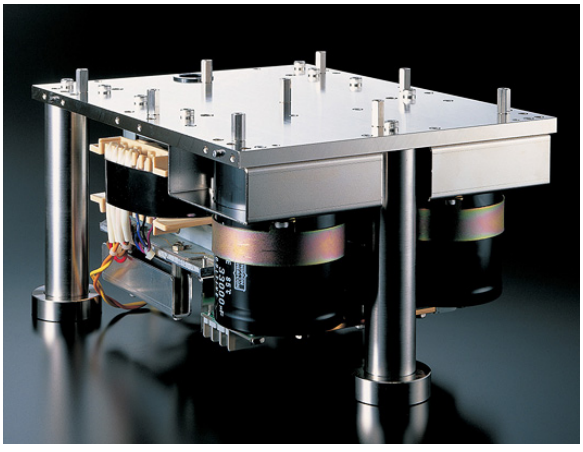
New Product Information



The new ESOTERIC A-80 monaural power amplifier provides exceptionally high speaker driving ability applying rich power supply in a compact size dimension. Cutting edge circuit design, highly sophisticated architecture of components and precise machining technology – incorporating these finest elements, the A-80 delivers the ultimate musical expression to true musical enthusiasts.

The high quality power supply

The A-80 features highly-rated (approx. 1k VA) large toroidal transformer for main power supply, and R-core sub transformer is added for further stability. The ultra stable and rapid power supplying capability of A-80 is further enhanced by two large capacitors (33,000 μF / 76 mm ϕ x 100 mm) used for the power stage.



State-of-the-art component architecture

One of the most unique features of the A-80 is its state-of-the-art component architecture.
The core components of the A-80 are assembled on the massive 9mm steel inner chassis, which is precisely machined from steel block. The power supply components are suspended from the bottom of the chassis to achieve the low center-of-gravity structure. The amplification stage is attached on the top surface of the chassis to isolate itself from potential vibration and magnetic flux leakage from power supply components.
This extremely massive core chassis assembly is supported by three stainless poles equipped with ESOTERIC's proprietary quenched steel pinpoint feet system. Total weight of this pole mounted feet system amount to 2.7 kg, and directly supports the core assembly with ultimate rigidity. Bottom surface of the pinpoint feet cup is an arch-shape to allow minimum area "cup fringe" contact to the floor.

The sandwiched structure of output stage transistors

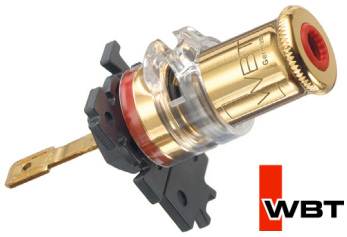
The output stage power transistors are sandwiched with a large heat sink and 10 mm aluminum blocks.
This sandwich construction effectively absorbs vibration and promotes heat radiation of the power transistors. This construction also works as a magnetic shield absorbing magnetic flux leakage from the power transistors, resulting in clearer sound reproduction.

Unique vibration-free heat sink structure (PAT.P)

The A-80 has a specially made large heat sink provided with two stainless poles for fin resonance absorption. The base part of the heat sink has 10 mm thickness for optimal heat radiation property. The output stage transistors are supported rigidly with the aluminum block and the heat sink, to get the maximum effect of heat radiation.

Massive body construction which eliminates the unwanted vibration

The exterior is covered with specially selected aluminum material. This is the same material used for industrial semi-conductor processing machines, and the quality level is strictly controlled and the processing distortion level is minimized. T 20 mm aluminum is applied for the front panel, and T10 mm aluminum for the top, side, and rear panels. To keep the highest level physical precision, all the component parts are built under strict torque control.



The highest grade parts selection

The highest grade audiophile components were selected for the A-80. Extensive listening tests were conducted for parts selection based on component neutrality and variations in “acoustic texture.” High quality Hovland capacitors, Vishey-Dale wire-wound resistors are used for the main circuit and high purity 6N (99.9999%), copper are used for critical internal wiring.
The speaker terminals are WBT-0710Cu, the latest version of WBT terminals, incorporating pure copper conductor material for high signal purity and ultra-low terminal resistance. Signal loss is kept to a minimum with the use of these high grade audiophile connections

KEY FEATURES

- 1kVA High Capacity Toroidal Power Transformer
- 9mm Thick Steel Heavy-weight Main Chassis
- 2-stage Darlington Circuit on Amplification Stage
- 3-parallel Push-pull Circuit on Output Stage
- Large Size Heat Sink
- 3 Pin-point Feet
- Machined Panels (Front : 20mm thick, Back : 10mm thick)
- Torque Controlled Bolts

MAIN SPECIFICATIONS	
Output power	200 Watts (8 ohms), 400 Watts (4 ohms)
Frequency response	10Hz to 100kHz (+0dB/-3dB, 8 ohms)
S/N ratio	> 110 dB
Input sensitivity	850 mV / 160 Watts (8 ohms)
Input impedance	200k ohms (RCA)
Input terminals	Balanced x 1 (XLR), Unbalanced x 2 (RCA)
Speaker terminals	x 2 pairs (Binding post type)
GND terminal	Screw type
Power supply	AC 230 V, 50 Hz (European model)
	AC 120 V, 60 Hz (U.S.A. / Canada model)
	AC 220 V, 60 Hz (Korea model)
Power Consumption	200 Watts
External Dimensions (W x H x D)	250 x 219 x 430 mm (9-7/8" x 8-5/8" x 17")
Weight	34 kg (75 lbs.)

- Design and specifications are subject to change without notice - Weight and dimensions are approximate.

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