

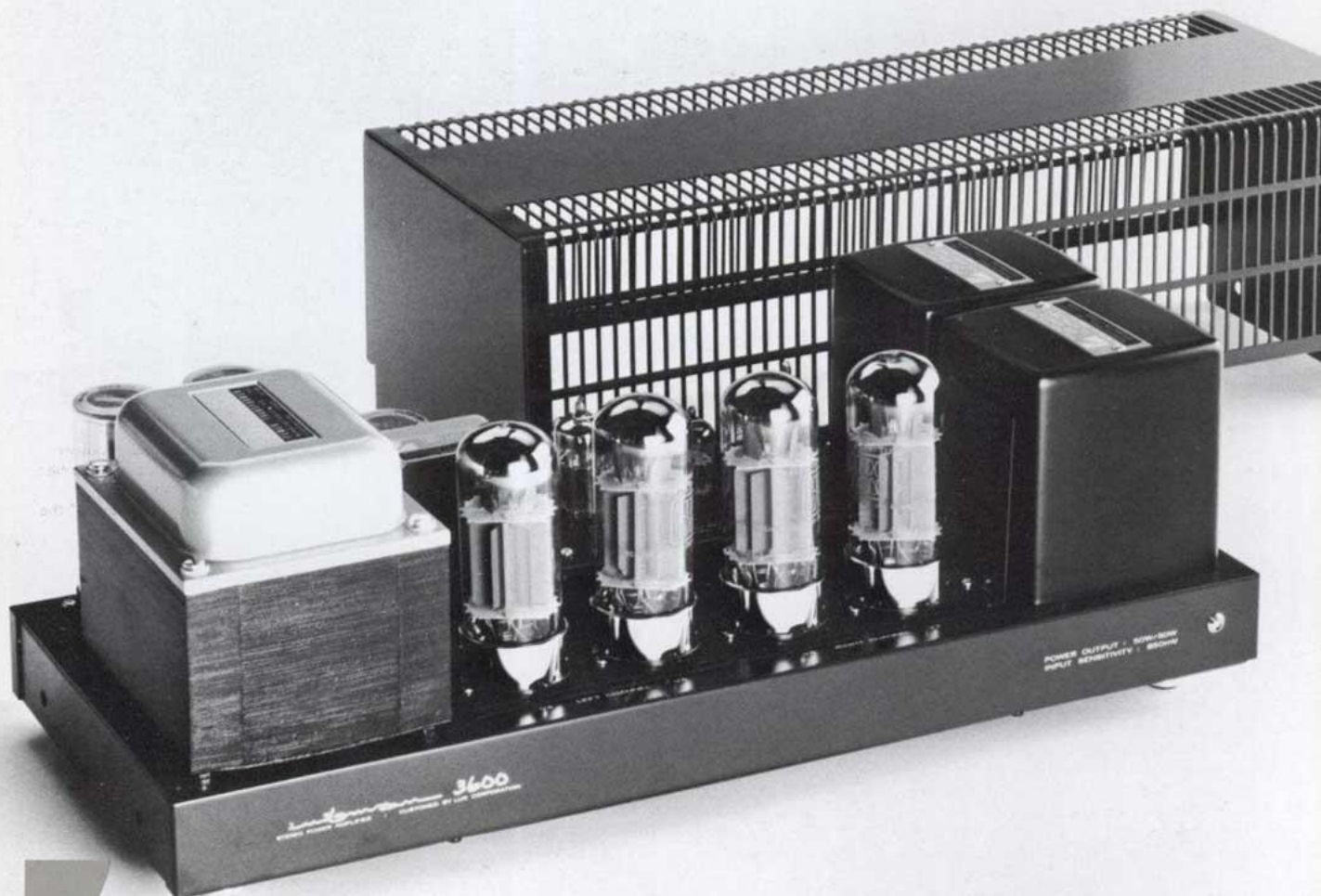
ULTIMATE HIGH FIDELITY STEREO COMPONENT

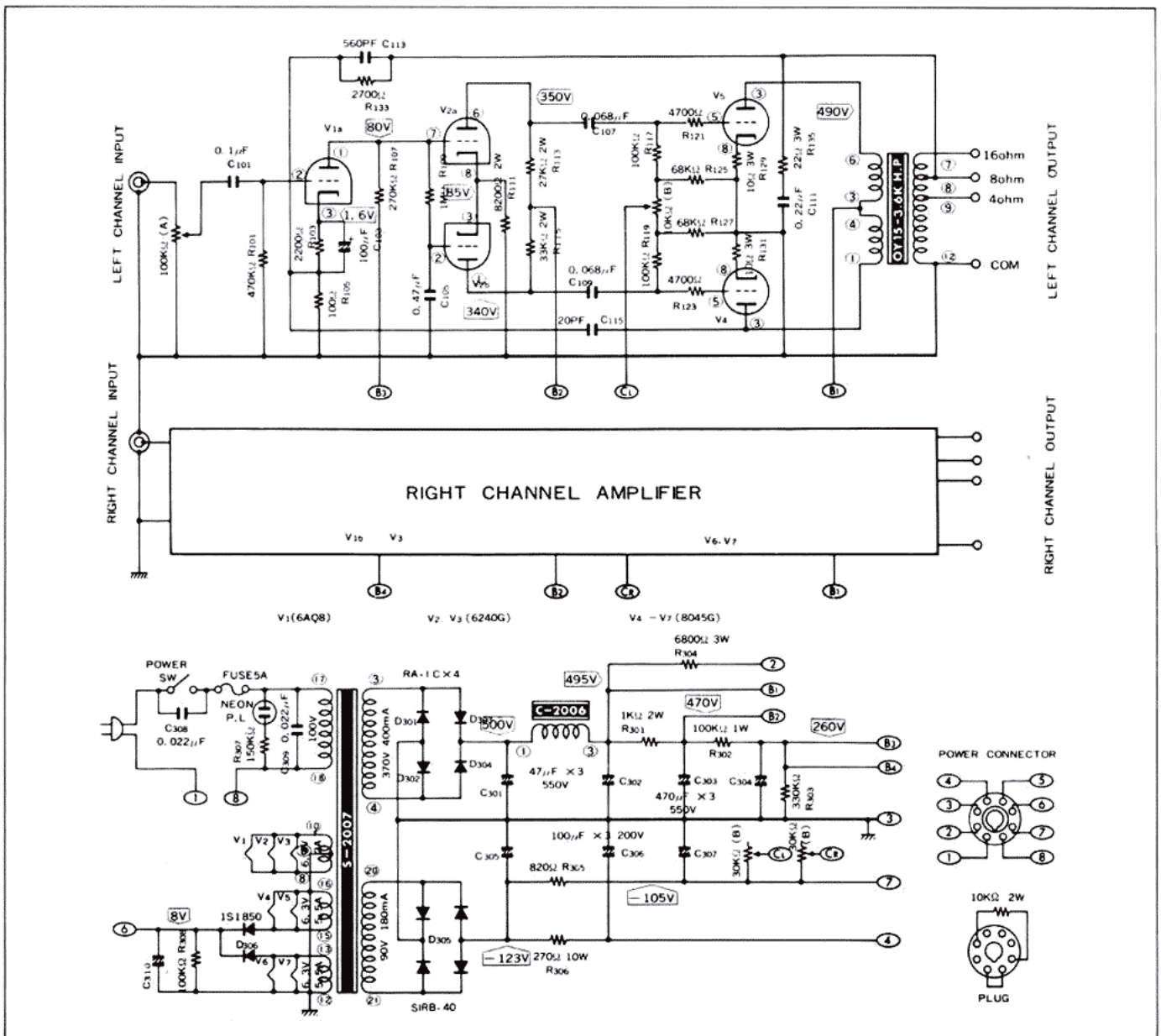
MODEL MQ3600

# LUXMAN 3600

VACUUM STATE STEREO POWER AMPLIFIER

The LUX's exclusive giant triode tube 8045G and new powerful output transformer made it possible to obtain such high power output 50W/ch into 4/8/16 ohms with no more than 0.5% total harmonic distortion.





The MQ3600 offers mighty 50 watts RMS output power per channel thanks to class "AB<sub>1</sub>" push-pull operation with the LUX's exclusive giant triode output tube 8045G. The 8045G is quite an epoch-making triode output tube specially developed for audio amplifiers under close cooperation with NEC. Unprecedented 45W plate-dissipation has been realized by adopting special 5-layer metal plate for the plate-electrode with the heat-radiating-fin, thus realizing superb heat-radiation effect. To make a good combination with the 8045G, a new powerful output transformer OY15-3.6K-HP is developed, which made it possible to obtain such high power output 50W/ch under full command of accumulated circuit technique. Further the insertion-loss is reduced, and the high-frequency characteristic is much improved. At the driver circuit, the cathode-coupled-phase-inverting circuit of so-called orthodox "Mullard" type is placed, which provides large output voltage and gain in quite stable condition. Here, the

6240G is used — a twin triode tube featuring low inner resistance, medium degree of amplification and large plate-dissipation, which is exclusively developed for high-voltage-driver stage. Therefore, the 6240G is quite suitable for the driver tube of giant output power amplifier. We put a reasonable difference on the plate-resistors to obtain equivalent gain between the two driver tubes. At the first stage, we adopted the 6A08 which offers low inner resistance and large amplification, thus keeping impedance at the plate circuit quite low and preventing deterioration at the high frequency characteristic. Also, the phase compensation circuit is banished, which tends to deteriorate distortion in high frequency range. With meticulous care, we delved into the inherent characteristics through all the amplifying stages to realize excellent distortion characteristic from the low frequency up to the high frequency range by applying only 16dB amount of major negative feedback. Of course high stability is

assured. The MQ3600 can be used as a monaural power amplifier of maximum 100W output power when the right and left channel are connected in parallel. This might be an interesting usage of the MQ3600.

#### SPECIFICATIONS

<b>Output Power:</b>	2 x 50 watts
<b>Total Harmonic Distortion:</b>	no more than 0.5% (50W, 1kHz)
<b>Frequency Response:</b>	10Hz - 35kHz (-1dB)
<b>Input Sensitivity:</b>	850mV
<b>Residual Noise:</b>	no more than 0.5mV
<b>Damping Factor:</b>	14 (8 ohms, 1kHz)
<b>Power Consumption:</b>	220V - 300 watts
<b>Dimensions:</b>	465 (W) x 206 (D) x 168 (H)mm
<b>Weight:</b>	17kgs (38 lbs.)

Specifications and appearance design are subject to change without notice.

## LUX CORPORATION, JAPAN

Printed in Japan

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