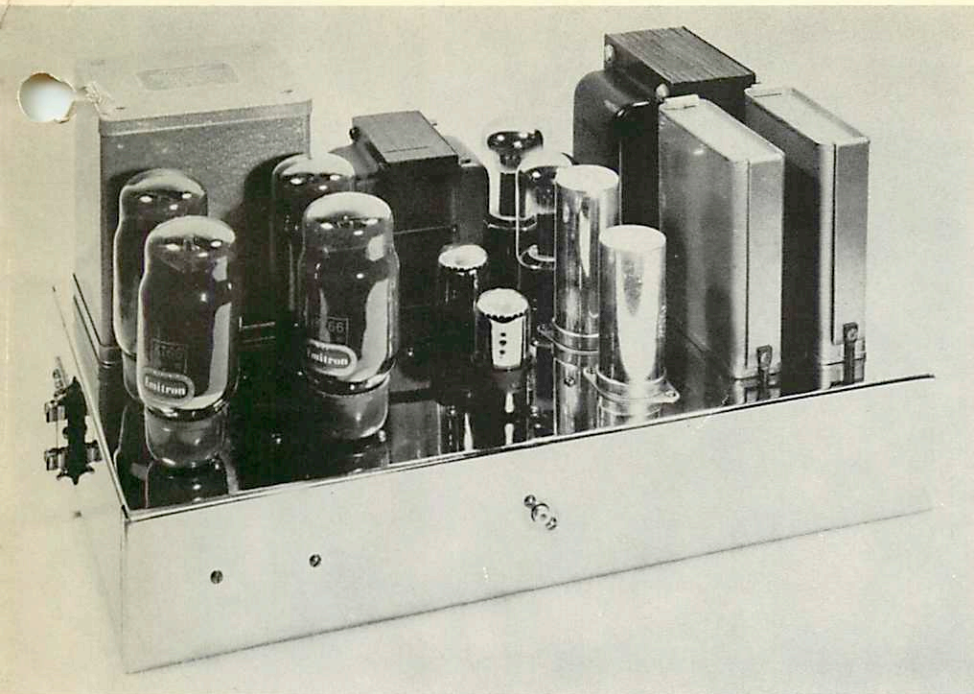


THE CUSTOM-BUILT AMPLIFIER #AE-60



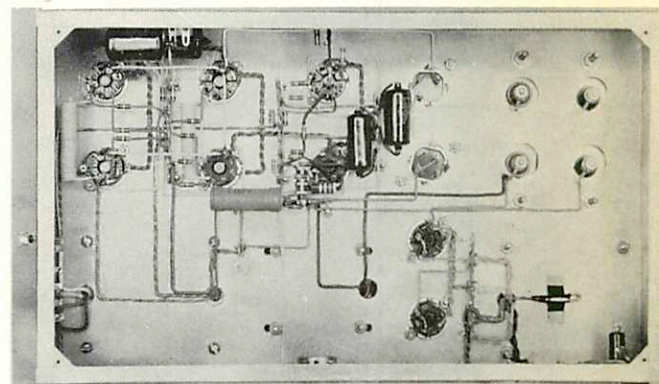
SPECIFICATIONS

IM Distortion	:Less than 1% at 60 watts 0.25% at 30 watts (measured using 50 and 2000 cps mixed in proportion of 1:4).
Frequency Response:	16 to 50,000 cps 40 watts 20 to 20,000 cps 60 watts
Damping Factor	: 16
Size	: 17" x 10" x 8 1/4" high

PRICE : \$265.00 fob, Jamaica, NY

This amplifier was designed to give the best performance possible today without regard to cost. Excellent high frequency performance is easily available today. But it is still extremely difficult to obtain high power output and low distortion at very low frequencies, and to get high damping and excellent stability at the same time.

This amplifier is sold on a money-back guarantee for comparison with any other amplifier on the market, and it is guaranteed to be free from defects in parts or workmanship for a period of five years (excluding tubes). The units are custom-built in the Audio Exchange Laboratory and are tested for every important performance feature before they are sold. Individual performance graphs will accompany each unit.



The circuit used in this amplifier is based on the advanced Williamson design. Large coupling condensers are used in order to hold phase shift to a minimum. This enables the amplifier to pass a 20 cycle square wave with minimum distortion. The amplifier is flat to 70,000 cps within 3 db. The Acrosound TO-330 output transformer was selected because it is tested for balance on all windings. The AC balance is guaranteed to 1%. It is tested for accuracy of reflected impedance between primary and secondary windings and taps. Further, it is tested for exciting current to insure maintenance of inductance and core power handling capacity. We selected the KT-66 tubes because of the low distortion performance which they give in push pull parallel use. The most modern coupling condensers are used (made in Germany) which in our tests show a resistance of 500 megohms or more. The filter condensers in the high voltage line are oil filled to insure long life and dependability. The wiring meets the British standards - the highest in the industry. The amplifier is built on a non-corrosive, chrome plated chassis, and the finished wiring is spray-protected against corrosion and mildew. Since the amplifier is able to develop very high power, a fuse circuit has been designed to protect loudspeakers from accidental overloads. This circuit does not make the speaker inoperative, but reduces the power to safe limits. Since these amplifiers are custom built, any custom features desired by the purchaser may be added. The amplifier is then delivered perfectly matched to the user's other components.

the audio exchange inc.

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