

AR-6 loudspeaker system



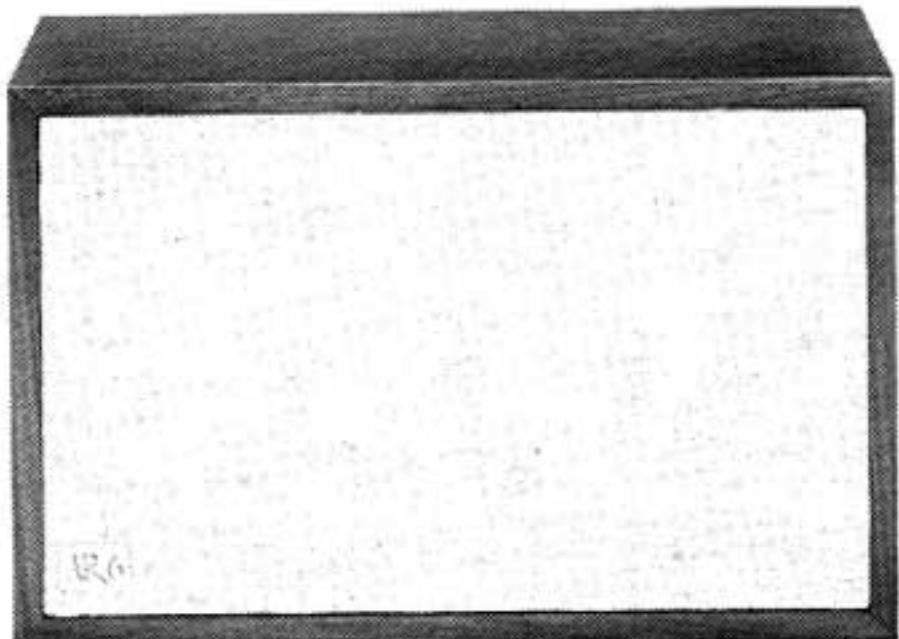
Twenty-four AR-6 speakers, as well as six AR-LST's, are in constant use at the Royal Opera House, Copenhagen.

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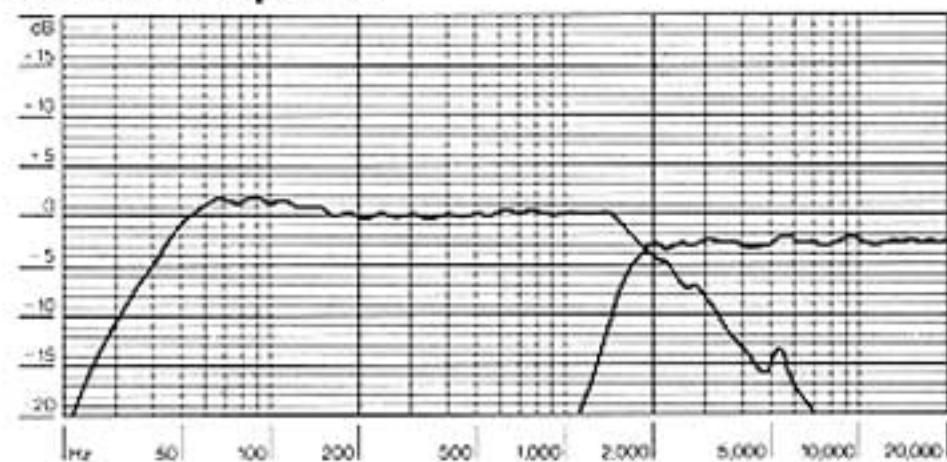


The AR-6 is designed to achieve the maximum performance available in a speaker of moderate cost. An indication of the success of the design is the unusually accurate bass response and lack of coloration of the AR-6, even when compared to systems that are more costly.

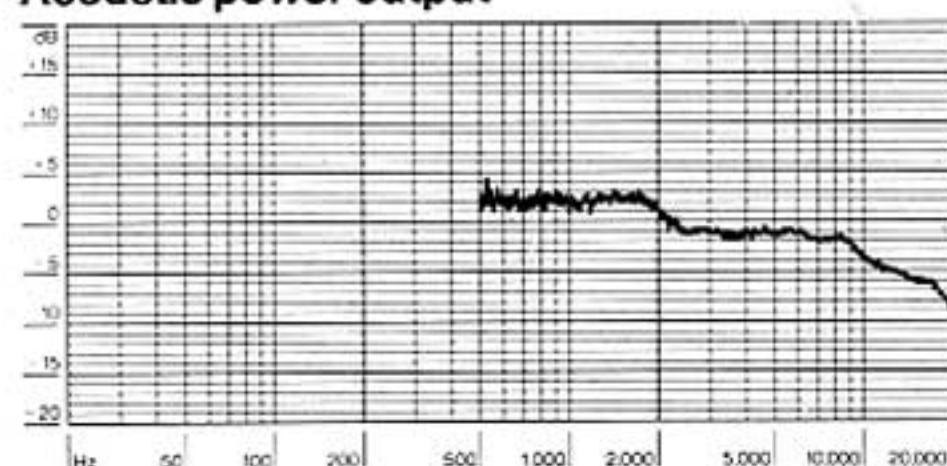
The most unusual characteristic of the AR-6 is the woofer, which has used the parameters of voice-coil size and length, magnetic circuit, diaphragm weight, and suspension to yield maximum theoretical performance. This technique permits the manufacture of a bass speaker with extended response and power-handling ability that occupies no more space than a conventional 203 mm (8 in) speaker.

The high-frequency speaker in the AR-6 is a 32 mm (1 1/4 in) design built especially for the AR-6. Its small size provides outstanding dispersion even at very high frequencies. The 178 mm (7 in) depth of the AR-6 adapts it ideally to shelf placement.

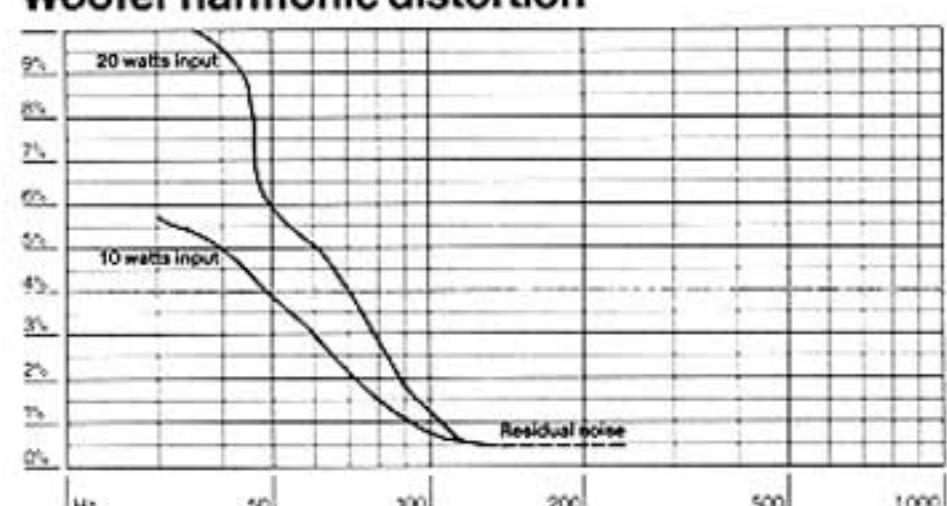
On-axis response



Acoustic power output



Woofer harmonic distortion



Drive units: 203 mm (8 in) acoustic suspension woofer, 32 mm (1 1/4 in) high-frequency cone

Crossover: 1800 Hz

Impedance: 8 ohms nominal
Controls: High-frequency level adjustment

Amplifier: Up to 100 watts per channel
Size: 305 x 495 x 178 mm deep (12 x 19 1/2 x 7 in)

Weight: 9.1 kg (20 lb)

Woofer resonance: Free air 25 Hz, in enclosure 56 Hz

Volume of enclosure: 18.5 litres (0.65 cu ft)

'It is noteworthy that the bass response measured for the AR-6 was almost identical to that we measured for the AR-5... This is exceptional performance for a speaker of this size and price... As we have mentioned, the AR-6's polar response was very good... quite similar to that of the more expensive AR speaker systems. The tone-burst response was good at all frequencies, with no significant ringing or other anomalies at any frequency...'

'All in all, the AR-6 acquitted itself very well in our tests. It was not quite the equal of the much more expensive AR models, whose sound it nevertheless resembles to an amazing degree, but on the other hand it out-performed a number of considerably larger and far more expensive systems we have tested in the same way. We don't know of many speakers with as good a balance in overall response, and nothing in its size or price class has as good a bass end.'

Stereo Review

'Another great bookshelf speaker from AR... a really terrific performer. The AR-6 has a clean, uncolored, well-balanced response that delivers some of the most natural musical sound yet heard from anything in its size/price class, and which indeed rivals that heard from some speakers costing significantly more.'

'The response curves taken at CBS Labs tell a good part of the story... across the largest portion of the audio spectrum and especially through the midrange the AR-6 responds almost like an amplifier.'

High Fidelity

'They are superb'. *Popular Hi-Fi*

The AR guarantee

The workmanship and performance in normal use of AR speakers are guaranteed for 5 years from the date of purchase. This guarantee covers parts, repair labor, and freight costs to and from the factory or nearest authorized service station. New packaging if needed is also free.