

# AR-8



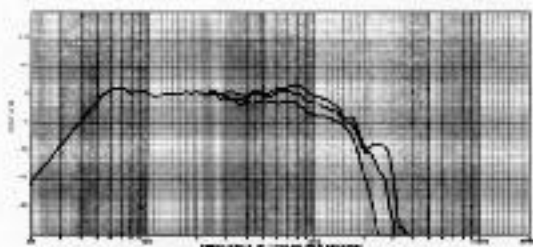
# AR-8.

## FREQUENCY RESPONSE CURVES

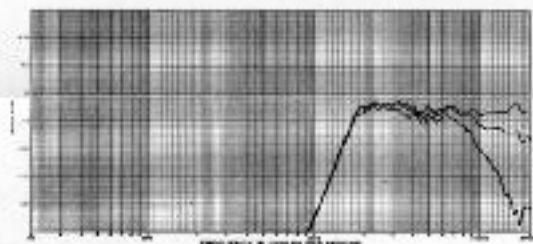
Response curves of each radiator are shown separately so that interference patterns—which depend on the position of the recording microphone rather than speaker quality—are eliminated. They were measured radiating into a 360° solid angle (a hemisphere), with grill cloth and decorative molding removed. A B & K 4133 microphone was used.

The microphone was on axis for the highest curve; the second curve was measured 30° off axis, and the lowest 60° off axis.

### WOOFER



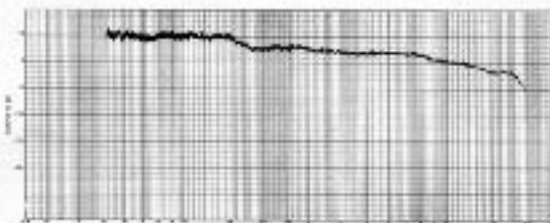
### TWEETER



## ACOUSTIC POWER OUTPUT

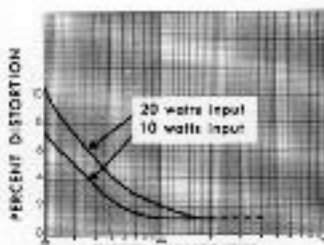
The curve represents the integrated power output above 500 Hz, measured in a special reverberant chamber.

Reflection from the walls of the chamber mixes together all of the sound emitted by the speaker system in all directions, an effect much more like that of a listening room than the anechoic chamber used for the frequency response curves above. A speaker system which measured well in both types of chambers would be accurate under almost all listening conditions.



## WOOFER HARMONIC DISTORTION

In interpreting this curve, keep in mind that normal listening is done at an average power level of under 1 watt. At this level the harmonic distortion is so low as to be difficult to measure.



## GUARANTEE

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

ACOUSTIC RESEARCH, INC. • 10 AMERICAN DRIVE • NORWOOD, MASS. 02062



Rock music lovers have long appreciated AR speaker systems for the clear, powerful, deep bass response they provide. In the AR-8 we have used a 10" woofer that is more efficient than some of our other designs, to produce the higher volumes needed for rock music, and a high-dispersion tweeter with extremely high power handling capacity. The "increase" position on the high frequency level control provides the proper tonal balance for rock: somewhat exaggerated, sharper, harder high frequencies, and more pronounced mid-range "sock" for added presence. Both drivers are designed to provide an extremely quick transient response, to emphasize every note and provide a very powerful listening experience.

Although the AR-8 sounds extremely good on rock music, it still has the accurate clean sound, wide frequency response, minimal distortion, and the engineering excellence and care in manufacturing common to all AR speaker systems; and its frequency balance adjustment switch makes it a suitable product for music listeners with many different tastes.

## SPECIFICATIONS:

Size: 13½" x 24" x 11½" deep; 343 x 610 x 292mm deep.

Weight: 32 pounds; 14.5 Kg.

Minimum Recommended Amplifier Power:

15 watts RMS (continuous) per channel.

Speaker Complement:

Woofer: 10" (254mm) acoustic suspension.

Tweeter: 1½" (38mm) wide dispersion cone.

Average Resonance of Woofer: Free air 26 Hz; in enclosure 52 Hz.

Crossover Frequency: 1800 Hz.

Volume of Enclosure: 1.35 cu. ft.; 38.2 liters.

Impedance: 8 Ohms

Controls: High frequency level adjustment (three position switch).