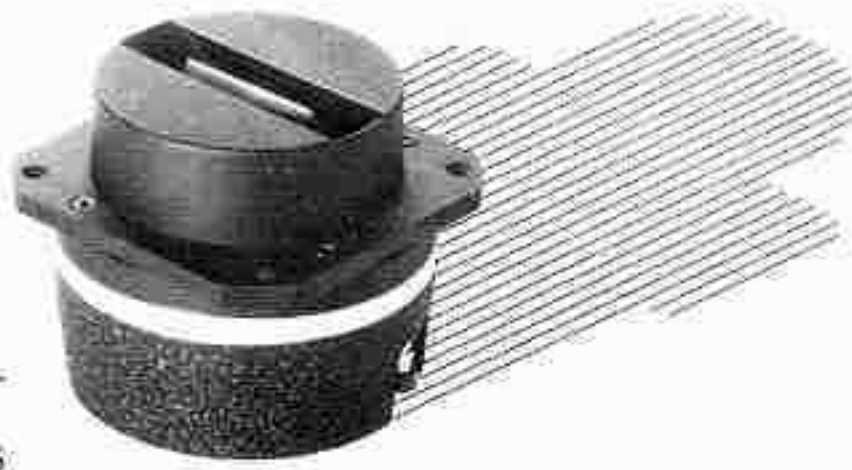


HIGH FREQUENCY

Bright, transparent, distortion-free highs are dispersed by the 077 ultra-high frequency slot-



loaded ring radiator. This unique driver combines the ideal attributes of very high efficiency and extraordinary power handling capability. It provides wide, controlled dispersion at extremely high frequencies and a frequency response which extends beyond human hearing.

The 077 consists of a 3-1/4 pound Alnico V magnetic assembly and an annular aluminum diaphragm

coupled to a slotted exponential/diffraction horn. The horn assembly is cast of solid aluminum with a transparent acrylic internal dispersion element. The horn's design achieves a controlled rectangular dispersion pattern of 130° horizontal by 40° vertical at 15 kHz; even at 20 kHz, the very upper end of audibility, 077 achieves 110° horizontal dispersion.

NETWORK

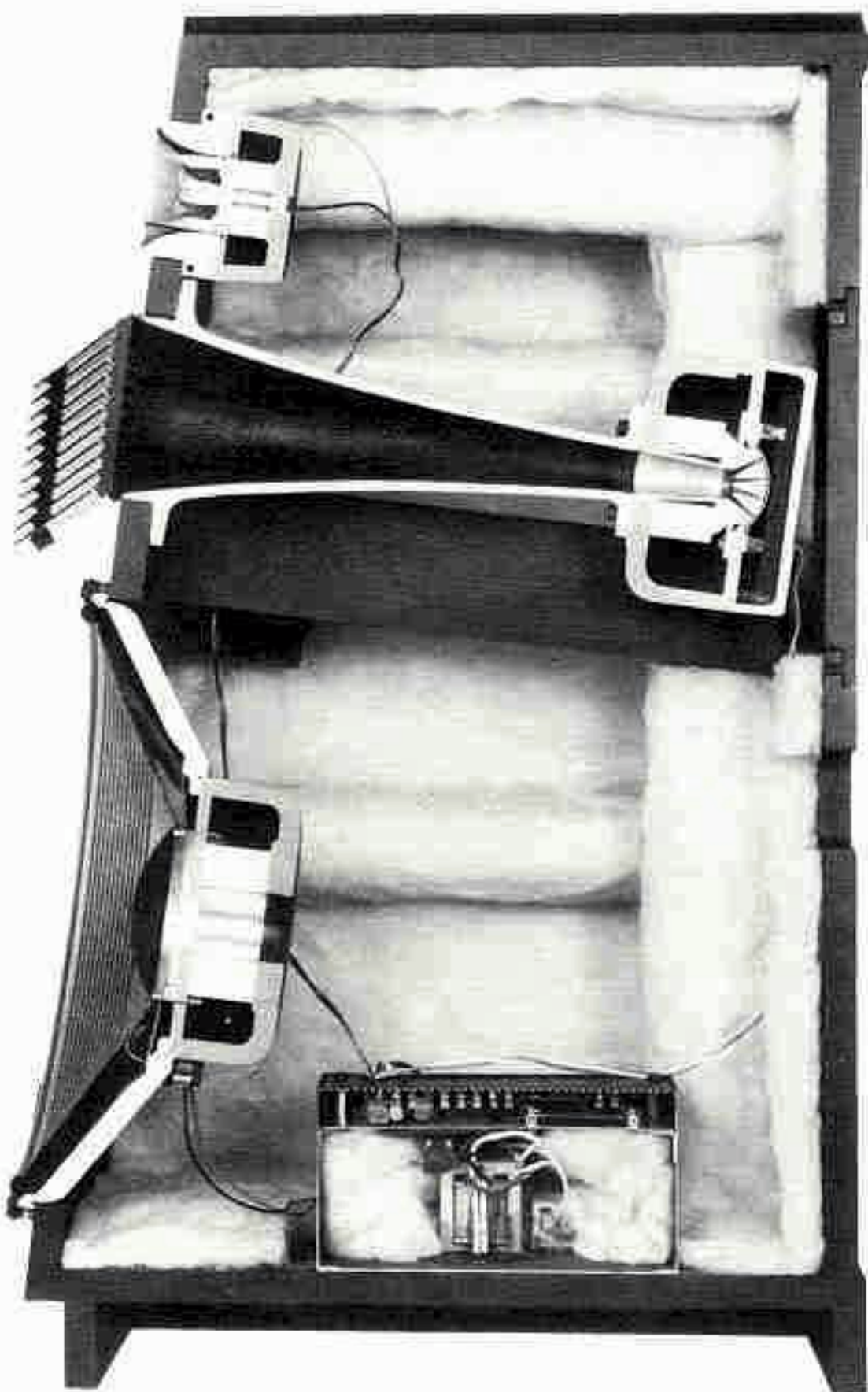
The tolerances of JBL network components are much more stringent than normal industry practices. A properly designed network goes beyond the distribution of low, midrange and high frequency information to each speaker in the system; critical to the sound balance of a loudspeaker system is precise control of the drivers through the transition frequencies. The network of the L300 is designed to maintain a smooth response curve from the lowest to highest frequencies reproduced.

POWER HANDLING CAPACITY

The specified power handling capacity indicates the continuous program level that can be accepted by a JBL loudspeaker system without damage. Its peak power handling capacity is considerably greater than the continuous rated value, as reflected in the remarkable transient response of JBL loudspeaker system components. The L300 will produce clean sound at comfortable listening levels when driven by an amplifier having an output of as little as 10 Watts RMS per channel. However, for reproduction of the full dynamic range of contemporary recordings at high volume, a quality amplifier delivering up to 150 Watts RMS per channel will provide optimum performance. Such an amplifier has the reserve power necessary for accurate reproduction of transients, which can reach momentary peaks equivalent to ten times the average power level. In almost all cases, the volume level generated by a JBL loudspeaker will become noticeably discomforting to the ear before the loudspeaker can be damaged by excessive power from the amplifier.

ENCLOSURE

The L300 enclosure must be considered one of the finest examples of technology and craftsmanship yet produced at JBL. Assembled from stock up to one-inch thick and rigidly braced, it is the structural equal to the 4333 enclosure in every respect.



the L300 (right), and the 4333, the midrange, high frequency and L300 is the closest thing to a 4333