



Smooth response
High efficiency
High power capacity
Edge wound voice coil
Viscous damped
Die-cast frame
Heavy Alnico V magnet
Field replaceable cone
Low distortion

The 515 speaker has been designed specifically for use as a bass transducer in major sound systems where efficiency and high power handling capacity are important. Its frequency range has been limited to 30–1000 cps and, for smoothest overall system performance it should be used with a 500 cps crossover network.

This husky speaker has a continuous power handling capacity of 35 watts and a peak capacity of 50 watts. Its sturdy die-cast frame is positive insurance against misalignment and voice coil rubbing. The Alnico V magnetic structure is unusually large to provide both high efficiency and positive control over cone movement at high power levels and wide excursion. The edge wound copper voice coil is capable of handling large amounts of electrical energy without danger of over-heating, shorting or other damage.

This speaker, which is used in the larger Altec "Voice of the Theatre" systems, is without equal for the smooth, efficient reproduction of bass tones at high power levels; a quality of extreme importance in the design of large, full-range sound systems for voice and music reproduction.



1515 S. Manchester Ave., Anaheim, Calif.

New York, Los Angeles

SPECIFICATIONS

| | |
|--------------------------------|--------------------------|
| Power: | 35 watts (peak 50 watts) |
| Frequency Response: | 30—1000 cps |
| Impedance: | 16 ohms |
| Voice Coil Diameter: | 3" |
| Diameter: | 15 $\frac{3}{8}$ " |
| Magnet Weight: | 4.4 lbs. |
| Mounting Hole Diameter: | 13 $\frac{1}{4}$ " |
| Depth: | 7 $\frac{3}{4}$ " |
| Weight: | 26 lbs. |

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The low frequency speaker shall be 15" in diameter. It shall have a minimum sensitivity of 56 db (EIA) measured on axis. The voice coil shall be at least 3" in diameter and shall be of edge wound copper ribbon operating in a magnetic field of at least 14,750 gauss derived from an Alnico V magnet of at least 4.4 pounds. Speakers with smaller voice coils or round wire will not be acceptable under this specification. The free air resonance of the speaker shall not exceed 45 cycles.

The speaker shall have a continuous power rating of at least 35 watts and a peak power rating of at least 50 watts. The frequency response shall be uniform from 30 to 500 cycles.

The speaker shall be Altec Lansing Model 515.