



DESCRIPTION

The ALTEC 210 and 210A Low-Frequency Horns are designed to effect maximum efficiency at the lower end of the sound spectrum. The bass-reflex, front-loaded configuration reduces the amplitude of cone movement at resonant frequencies, allowing higher power input without distortion.

Excellent air coupling is achieved with these

horns through proper loading, an essential factor in the design of quality sound systems. In the 210, the addition of wings further enhances bass projection.

Both models are finished in flat, theatre gray lacquer. A weatherproof resin coating, for outdoor use, may be applied without impairing performance.

SPECIFICATIONS

Type: Direct-radiating, front-loaded bass reflex enclosure with short, exponentially expanded horn

Pressure Sensitivity with Two 515-16G's: 108 dB SPL measured in the far (free) field with 1 watt input of pink noise, band-limited from 100 to 1000 Hz and calculated to 4' equivalent (Ref.: 0 dB = 0.0002 dyne/cm²)

Recommended ALTEC Speakers: One pair of the following models:
515-8G
515-16G
515-8GHP

Dimensions: 84" (213.4 cm) H
~~32½" (82.5 cm) W~~
34" W (86.7 cm)
(cabinet only)
80½" (204.5 cm W (w/wings)
39½" (100.3 cm) D

Weight: 433 pounds (196.4 kg)

Construction plans are shown in Altec publication AN-11.

Response and impedance curves of two 515-16G's in this cabinet are shown in Altec publication AL-2422, "515-G Series."

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The low-frequency horn shall be a direct-radiating front-loaded, bass reflex enclosure with a short, exponentially expanded horn. It shall be designed to mount and properly load two 15" low-frequency loudspeakers. The horn shall be constructed of dense ¾" plywood, and shall be rigidly braced with 2" x 3" and 2" x 4" frames. The low-frequency horn shall meet the following criteria. Pressure sensitivity, 107 dB SPL (with wings) when

measured at 4' on axis with 1 watt input of pink noise, band-limited from 100 to 1000 Hz. Dimensions, 84" H x 32½" W (with-out wings) or 80½" W (with wings) x 39½" D. Weight, 433 pounds (with wings).

The low frequency horn with wings shall be the ALTEC Model 210A.



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