

**ALTEC**  
**LANSING**

## 850-8A COLUMN SPEAKER SYSTEM



### DESCRIPTION

The ALTEC 850-8A Column Speaker System has four loudspeakers assembled in a sturdy enclosure. Sound projected from the column is distributed in a wide horizontal pattern but in a narrow vertical pattern, allowing sound energy to be concentrated more effectively in reverber-

ant spaces or rooms with low ceilings. Finish is in attractive, durable, gray spatter enamel that can also serve as a primer if room decor makes refinishing desirable. The four ALTEC 404-8A speakers are noted for smooth, extended frequency response.

## SPECIFICATIONS

**Power Rating:** 80 watts program material.  
Up to 40 watts of band-limited pink noise (150-20,000 Hz)

**Frequency Response:** See Figure 1

**Pressure Sensitivity:** 94 dB SPL measured at 4' on axis with 1 watt input of band-limited pink noise from 500-3000 Hz (Ref.: 0.0002 dyne/cm<sup>2</sup>)

**Equivalent EIA Rating:**

47 dB SPL measured at 30' with 1 mW input

**Impedance:** 8 ohms

**Distribution Pattern:** Horizontal, 120° (160° and more at 4000 Hz and lower); vertical, 20° (30° and more at 1200 Hz and lower)

**Dimensions:** 22<sup>3</sup>/<sub>8</sub>" (56.8 cm) H x 7" (17.8 cm) W x 6<sup>1</sup>/<sub>4</sub>" (15.9 cm) D

**Weight:** 16 pounds, 7 ounces (7.5 kg)

**Finish:** Gray spatter enamel

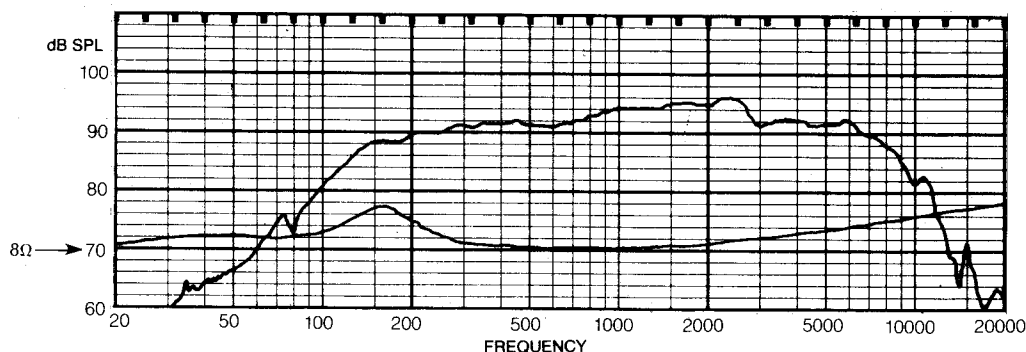


Figure 1. Unequalized frequency response

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The column speaker system shall consist of four 4-inch cone type radiators vertically arrayed and assembled in a rigid enclosure. The system shall meet the following performance criteria. Power rating, up to 40 watts of band-limited pink noise (150-20,000 Hz). Frequency response, 150-15,000 Hz. Pressure sensitivity, 94 dB SPL when measured at 4' on axis with 1 watt input of band-limited pink noise from 500-3000 Hz (Ref.: 0.0002 dyne/cm<sup>2</sup>). Impedance; 8 ohms. Distribution pattern; 120° horizontal (160° and more at 4000 Hz and lower), 20° vertical (30° and more

at 1200 Hz and lower).

The enclosure shall meet the following requirements. Construction; rigid 1/2" material, heavily braced. Grille, snap-in type. Dimensions, 22<sup>3</sup>/<sub>8</sub>" H x 7" W x 6<sup>1</sup>/<sub>4</sub>" D. Weight; 16 pounds, 7 ounces. Finish, gray spatter enamel. Fiberglass sound absorbent material shall be included. The cabinet shall be sealed front and rear against dirt and dust.

The column speaker system shall be the ALTEC Model 850-8A.



1250 NORTH RED GUM STREET, ANAHEIM, CALIFORNIA 92806  
ALTEC CORPORATION