



DESCRIPTION

ALTEC 511B and 811B Sectoral Horns are designed for the mid or high frequency section of two-way or three-way sound systems. The 511B and 811B differ only in cutoff frequency and size.

Exponential expansion and straight throat configuration ensure uniform control of the sound dispersion pattern — 90° horizontal by 40° vertical — and exacting reproduction of the middle and high frequencies.

Of lightweight aluminum, these horns feature a front-mounting flange for easy installation.

Recommended for use with these horns are the ALTEC 902 series, the 908 series and the 731C High Frequency Drivers.

The 511MB Accessory is available to aid in mounting the larger 511B Horn. The mounting bracket supports the throat and attached driver of the 511B, while allowing adjustment in the horizontal plane.

SPECIFICATIONS

Distribution Pattern: 90° H x 40° V

Lowest Recommended Crossover Frequency: 500 Hz, 511B
800 Hz, 811B
(1200 Hz when used with 902-8A or 902-16A drivers)

Pressure Sensitivity: Measured on axis in the far (free) field with 1 watt input of band-limited pink noise from 500-3000 Hz* and calculated to 4' equivalent (Ref.: 0 dB = 0.0002 dyne/cm²)

1W, 4' Rating in SPL

*0.5 - 3 kHz *1.2 - 3 kHz

Driver

902-8A	—	104
902-8T	103	—
902-16A	—	104
908-8A	104	105
731B**	106.5	106.5

**Limited to speech frequency range

Dimensions—511B

Height:	10 ⁵ / ₈ " (27.0 cm)
Width:	23 ³ / ₈ " (60.0 cm)
Depth:	18 ¹ / ₂ " (47.0 cm)

Dimensions—811B

Height:	8 ⁵ / ₈ " (21.9 cm)
Width:	18 ³ / ₄ " (47.6 cm)
Depth:	13 ¹ / ₂ " (34.3 cm)

Weight—

511B:	17 ³ / ₄ pounds (8.05 kg)
811B:	9 pounds (4.08 kg)

NOTE

Drivers, dividing networks, and adapters must be ordered separately.