

**DESCRIPTION**

The Altec Lansing 828H low frequency enclosure represents the maximum performance of the components that it will house. From 35Hz to 120 Hz, the system is bass reflex operated. From 120 Hz to 1 kHz it is operated through a straight exponential to have a flare horn. Although the 828H cabinet is primarily used in the Altec Voice of the Theatre® systems, this highly efficient low frequency enclosure is ideal for sound reinforcement and musical reproduction.

The 828H is constructed of heavily braced .75 " (1.9cm) particle board and is lined with absorbent damping material. The finish is a theatre gray spatter finish paint.

The 828H incorporates a new horn mounting system which allows easy horn/driver installation. This is accomplished with convenient tee-nut mounting points provided in the top of the enclosure.

## SPECIFICATIONS

**Type:** Combination front loaded horn and bass reflex enclosure

**Power Rating with Band Limited Pink Noise (40-1000 Hz) -**

w/515-8G speaker: 75 watts  
w/515-8GHP speaker: 200 watts  
w/515-16G speaker: 75 watts

**Frequency Response:** 50-1000 Hz  
**Pressure Sensitivity:** Measured in the far (free) field with 1 watt input of band-limited pink noise from 100-1000Hz and calculated to 1m equivalent (Ref: 20  $\mu$ Pa) 1W, 1m Rating

Speaker	in dB-SPL
515-8G	104
515-8GHP	105.5
515-16G	105

**Minimum**

**Impedance:**

w/515-8G: 8 $\Omega$   
w/515-8GHP: 8 $\Omega$   
w/515-16G: 16 $\Omega$

**Distribution Pattern:** 40° V x 90° H

**Dimensions-**

**Height:** 42.0 (106.7cm)  
**Width:** 30.0 (76.2 cm)  
**Depth:** 24.0 (61 cm)

**Finish:** Texture gray enamel

**Weight-Net:**

140 pounds (62.7 kg) without speaker

**Shipping:** 146 pounds (65.4kg) without speaker

**Accessories (must be ordered separately):**

Altec 515-8G, 515-8GHP, 515-16G low frequency drivers. In specialized applications, the Altec 3156 or ER-15 may be used.

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The low-frequency loudspeaker enclosure shall be a combination front-loaded horn and bass reflex type providing for one 16" low-frequency driver. The enclosure shall meet the following performance criteria. Power rating with band-limited pink noise 40-1000 Hz, \_\_\_\_\_watts with Altec Model \_\_\_\_\_LF speaker. Frequency response, 50-1000 Hz. Pressure sensitivity, \_\_\_\_\_ dB SPL with Altec Model \_\_\_\_\_LF speaker when measured on axis 1 meter from front edge of enclosure with 1 watt input of band-limited pink noise from 100-1000 Hz (Ref: 20  $\mu$ Pa).

Minimum impedance, \_\_\_\_\_ohms with Altec Model \_\_\_\_\_LF speaker. Distribution pattern, 40° V x 90° H. The enclosure shall be constructed of heavy 3/4" particle board (or 7-ply birch plywood) and shall be heavily braced and lined with acoustic damping material. It shall be 42" (106.7 cm) H x 30" (76.2 cm) W x 24" (7.61 cm) D, shall weigh 140 pounds (62.7 kg) and shall be finished in texture gray enamel.

The low frequency loudspeaker enclosure shall be the Altec Model 828H.



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