



DESCRIPTION

High conversion efficiency, optimal projection and full bass response have been a proud tradition with Altec's Voice of The Theatre.

Our latest version of Voice of The Theatre for musical sound features a powerful 125-watt capacity, superior top-end performance and a new pro-look to match Altec's musical sound family.

Shipped in kit form, the 1236 can be assembled with the high-frequency sectoral horn mounted on top of the cabinet, or inside and behind a black textured-polyester grille. The 15" low-frequency driver faces into an exponential horn, while the back side of this driver utilizes the precisely-tuned cavity behind the horn as a

reflex enclosure. The result is low-end response reproduced with full bass characteristics.

The all-new dual-band equalizer achieves superior acoustical balance. Mid and high frequencies pass through the dividing network/equalizer into the sectoral horn driven by the compression driver. Within the 808-8B compression driver, Altec's Tangerine™ radial phase plug* geometrical design extends the high frequency bandwidth.

Durably constructed and housed, the biamp-ready 1236 serves large clubs, halls and rock concerts with renown Voice-of-The-Theatre reliability and powerful, clean sound.

SPECIFICATIONS

Components:	421-8LF LF Loudspeaker 511B Sectoral Horn 808-8B HF Compression Driver with Tangerine™ N1209-8A Dividing Network	Impedance:	8 ohms
Type:	2-way speaker system with complete horn coverage for entire audio spectrum	Input Connection:	2 paralleled standard 1/4" diameter phone jacks, wired in parallel
Power Ratings:	Long-Term Broad-Band Maximum Power: Up to 125 watts of band-limited pink noise (50 Hz to 20 kHz, measured with shelving controls set at optimum)	Dividing Network:	1200 Hz crossover frequency, 12 dB/octave slope, and continuously variable HF attenuator with 0 to -8dB range; midrange variable, 0 to -8dB range
Frequency Response:	50 Hz to 20 kHz	Enclosure:	Bass reflex type of 5/8" material; rigidly braced
Pressure Sensitivity:	104 dB SPL at 4' when measured on axis in the far (free) field with 1 watt input of band-limited pink noise from 500 to 3000 Hz and calculated to 4' equivalent (Ref.: 0 dB = 0.0002 dyne/cm ²)	Dimensions:	
Equivalent EIA Rating:	57 dB SPL at 30' with 1 mW input	HF Horn Externally Mounted:	54 1/2" (137.8 cm) H x 30" (76.2 cm) W x 24" (61 cm) D
		HF Horn Internally Mounted:	42" (106.7 cm) H x 30" (76.2 cm) W x 24" (61 cm) D
		Weight:	225 pounds (102.1 kg)
		Finish:	Metallic charcoal gray lacquer

	421-8LF 15" BASS DRIVER	808-8B COMPRESSION DRIVER*
Voice Coil Diameter:	3"	1.75"
Voice Coil Material:	Copper	Aluminum
Magnetic Assembly Weight:	17 1/2 pounds (7.94 kg)	1 1/2 pounds (0.54 kg)
Magnet Material:	Ceramic	Alnico V
Flux Density:	13,000 gauss	15,250 gauss
Dimensions:	15" (38.1 cm) Diameter, 6 3/8" (16.2 cm) Depth	4 1/2" (11.4 cm) Diameter, 3 1/8" (9.4 cm) Depth
Weight:	22 pounds (10 kg)	7 pounds (3.2 kg)

511B SECTORAL HORN

Dimensions:	10 5/8" (27 cm) H x 23 3/8" (59.4 cm) W x 18 1/2" (48 cm) D
Weight:	17 3/4 pounds (8.05 kg)

*Contains patented Tangerine™ radial phase plug, only from Altec.
Reg. U.S. Patent No. 4,050,541; Foreign patents pending.

ARCHITECT AND ENGINEER SPECIFICATIONS

The speaker system shall be the two-way type with horn coverage for the entire audio spectrum. It shall consist of a front-loaded, bass-reflex type LF exponential horn of rigidly braced, 5/8" material, a 15" LF loudspeaker, a 1200-Hz dual full-section dividing network with 12 dB/octave slope and having continuously variable HF and MF attenuators with a range from 0 to -8 dB, and a HF compression driver with patented Tangerine™ radial phase plug loaded with a 25" die-cast aluminum sectoral horn having exponential expansion. The speaker system shall meet the following performance criteria. Power

rating, up to 125 watts of continuous pink noise. Frequency response, uniform from 50 Hz to 20 kHz. Pressure sensitivity, 104 dB SPL at 4' when measured on axis with 1 watt input of band-limited pink noise from 500 to 3000 Hz (Ref.: 0 dB = 0.0002 dyne/cm²). Impedance, 8 ohms. The speaker system shall be 54 1/4" H (HF horn externally mounted) or 42" H (HF horn internally mounted) x 30" W x 24" D, shall weigh 225 pounds, and shall be finished in metallic charcoal gray lacquer.

The speaker system shall be the ALTEC Model 1236.



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