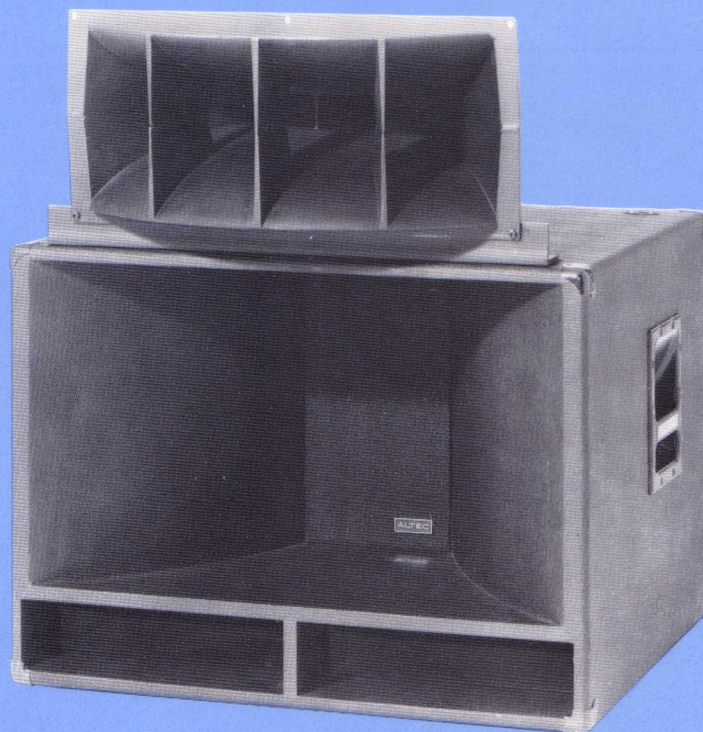


ALTEC
LANSING

1235C MUSICAL SOUND LOUDSPEAKER SYSTEM



DESCRIPTION

The Altec 1235C Musical Sound Loudspeaker System is a compact, horn-loaded, two-way system featuring Voice-of-The-Theatre performance plus new advances in high-frequency technology.

Within the 1235C, a 15-inch low-frequency driver, handling midbass frequencies up to 1200 Hz crossover, faces into an exponential horn. The back side of this driver utilizes the tuned cavity behind the horn as a reflex enclosure to reproduce the lower spectrum. The new woofer provides ultra-smooth low-end response, in addition to high efficiency and reliability.

Equalization, designed to be smooth and gradual with a 12 dB per octave slope, is adjustable in the mid and upper frequency ranges. These frequencies pass through a newly-designed dual-band variable equalizer/dividing network into the sectoral horn driven by a powerful, recently improved high-frequency compression driver. The driver, relying on its advanced-design Tangerine™ radial phase plug*,

stronger and lighter epoxies, and open pot cavity design, results in an expanded high-frequency bandwidth, ultra-low distortion, and thus overall improved performance.

Whether permanent or portable, the 1235C rests comfortably on limited space stages, in nightclubs, discos, large halls, and anywhere that crisp, clear high frequencies and powerful, clean bass are required. Handling is a simple task due to metal corner guards, heavy duty recessed handles, and metal feet on one side that interlock to recessed cups on another 816V enclosure, when stacked. Finished in mar-resistant textured black with matching black polyester grille, the 1235C resists wear and tear, yet remains a professional-looking, elegant performer.

The 1235C is shipped in kit form (enclosure plus loudspeaker system) with assembly instructions. The system, which contains a mounting panel for bi-amplification in the cabinet, handles up to 125 watts of continuous power.

*Reg. U.S. Patent No. 4,050,541; Foreign patents pending.

SPECIFICATIONS:

Components:	816V Low-frequency enclosure 921-8A LF Low-frequency loudspeaker 511B Sectoral horn 908-8A High-frequency compression driver 1209-8A Dual-band variable equalizer/dividing network	Equivalent Rating:	56 dB SPL at 30' with 1 mW input
Type:	2-way speaker system with complete horn coverage for entire audio spectrum	Crossover Frequency:	1200 Hz, 12 dB/octave slope, and continuously variable HF attenuator with 0 to -8 dB range
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)	Input Connections:	Two standard phone jacks, wired in parallel
Frequency Response:	35 Hz to 20 kHz	Finish:	Mar-resistant textured black with black textured-polyester grille, metal corner guards, recessed handles, protective metal cups and feet
Impedance:	8 ohms	Dimensions:	34" (86.4 cm) H x 30" (76.2 cm) W x 26" (66 cm) D
Pressure Sensitivity:	103 dB SPL at 4' when 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/cm ²)	Weight:	190 lb (86.2 kg)

	921-8A LF 15" BASS DRIVER	908-8A COMPRESSION DRIVER*
Voice Coil Diameter:	3"	1.75"
Voice Coil Material:	Copper	Aluminum
Magnetic Assembly Weight:	17½ lb (7.94 kg)	1-1/5 lb (0.54 kg)
Magnet Material:	Ceramic	Ceramic
Flux Density:	13,000 gauss	15,250 gauss
Dimensions:	15" (38.1 cm) Diameter, 6¾" (16.2 cm) Depth	4½" (11.4 cm) Diameter, 3¼" (9.4 cm) Depth
Weight:	22 lb (10 kg)	7 lb (3.2 kg)

511B SECTORAL HORN

Dimensions:	10⅝" (27 cm) H x 23⅜" (59.4 cm) W x 18½" (48 cm) D
Weight:	17¾ lb (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 loudspeaker system shall be the two-way type with horn coverage for its entire audio spectrum. It shall consist of a front-loaded, bass-reflex type LF exponential horn of rigidly braced ¾" material, a 15" LF loudspeaker, a 1200 Hz dual-band variable equalizer/dividing network with 12 dB/octave slope and having a continuously variable high and mid-frequency attenuator with a range from 0 to -8 dB, and a HF compression driver with Tangerine 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. Fre-

quency response, uniform from 35 Hz to 20 kHz. Pressure sensitivity, 103 dB SPL at 4' when measured on axis with 1 watt input of band-limited pink noise from 500 Hz to 3 kHz (Ref.: 0 dB = 0.0002 dyne/cm²). Impedance, 8 ohms. Distribution pattern, 40°V x 90°H. The speaker system shall be 34" H x 30" W x 26" D, shall weigh 190 lb., and shall be finished in mar-resistant textured black, with black textured-polyester grille, metal corner guards, recessed handles, metal cups and feet.

The Speaker System shall be the ALTEC Model 1235C.



1515 SOUTH MANCHESTER AVENUE, ANAHEIM, CALIFORNIA 92803
ALTEC CORPORATION