

ALTEC[®]
LANSING

937 MONITOR/PUBLIC ADDRESS LOUDSPEAKER SYSTEM



DESCRIPTION

The ALTEC LANSING Model 937 Monitor/Public Address Loudspeaker System is designed for the multiple uses of today's musician. It is a small, light-weight yet efficient full range system. The highly versatile cabinet makes it ideal for use as a floor monitor, side monitor or small public address system. The 937 is especially suited for stand mounting because of its compact size and manageable weight.

The 937 system consists of the Altec 908-type HF Compression Driver, MR931-12 Mantaray[®] Constant Directivity Horn and the newly developed ER-12S Musical Sound Loudspeaker.

The 908 driver features the exclusive tangerine phase plug for improved frequency response. The diaphragm is constructed of high temperature voice coil and surround materials for extended use at high power levels.

The MR931-12 horn insures constant coverage throughout the bandwidth of the driver, so that

all listeners are presented with the same acoustic response.

The new Altec ER-12S loudspeaker is a very efficient 12-inch driver designed for high level usage. Extended response assures a smooth transition in the crossover region. Like the 908 driver, the ER-12S is constructed of high temperature materials to provide superior power handling and reliability.

The enclosure of the 937 is designed to meet the musicians' needs of small, lightweight yet very rugged construction. Thoroughly braced 7-ply plywood walls are covered with high durability black spatter finish. Handling is simplified with a recessed handle, metal corners and metal feet for use in either upright or slant positions.

Whether used as a high level stage monitor or small club PA, the 937 provides the clean, efficient sound associated with Altec loudspeakers for more than 40 years.

SPECIFICATIONS

Type:	Multi-purpose, vented two-way monitor loudspeaker system	Directivity of Horn:	110° Horizontal 60° (20/40) Vertical
Applications:	Compact PA, stage monitor, side fill monitor	Crossover Frequency:	3000 Hz
Components:	MR931-12 Mantaray Constant Directivity Horn, 908-type HF Compression Driver, ER-12S Musical Sound Loudspeaker	Impedance	8 ohms
Sensitivity:	99 dB SPL at 1 Meter*	Input Connections:	Two standard 1/4-inch phone jacks and high-current binding posts
Power Rating:	150 watts**	Enclosure:	Seven-ply, birch-face plywood with removable grille. Recessed side handle.
Maximum Long Term Acoustic Output:	119 dB SPL at 1 Meter (150 watts)	Finish:	Mar-resistant spatter texture finish
Frequency Response:	70 Hz to 15,000 Hz (see Figure 1)	Dimensions:	24" H x 18" W x 16-1/4" D (61 cm x 46 cm x 41.3 cm)
		Weight:	49 pounds (22.2 kg)
		Replacement HF Diaphragm:	34726
		LF Recone Kit:	R-ER-12S
		Crossover Network:	56-06-035648

* Measured E^2/Z with 1 watt (i.e. $Z=8$ ohms, $E=2.83V$ rms) of band-limited pink noise (70 Hz to 15 kHz)

**Measured E^2/Z (i.e. $Z=8$ ohms, $E=34.6V$ rms) of band-limited pink noise (70 Hz to 15 kHz) with a crest factor of 6 dB.

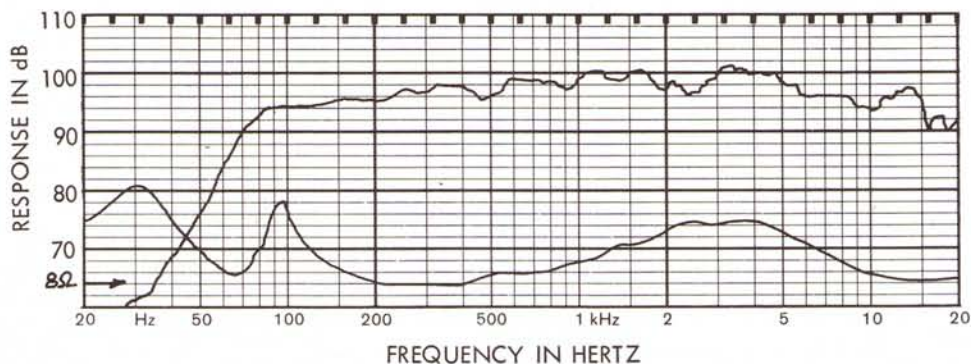


Figure 1. Frequency Response of Typical 937 System

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker system shall be of the two-way multi-purpose type with a Model ER-12S 12-inch Musical Sound Loudspeaker, a Model 908-type High Frequency Compression Driver with a Model MR931-12 Mantaray Constant Directivity Horn, mounted in a vented enclosure having a volume of 2.0 cubic feet.

The system shall meet the following structural and performance criteria. The enclosure shall be constructed of heavily braced seven-ply, birch-face plywood, finished in mar-resistant spatter texture, with a removable grille, corner guards and recessed handle. The enclosure shall be acoustically damped with sound absorbant material. Power capacity shall be 150 watts

with a long term acoustic output of 119 dB SPL, measured E^2/Z with 150 watts (i.e. $Z=8$ ohms, $E=34.6V$ rms) of band limited pink noise (70 Hz to 15 kHz with a crest factor of 6 dB). Frequency response, 70 Hz to 15,000 Hz. Sensitivity, 99 dB SPL at 1 meter measured E^2/Z with 1 watt (i.e. $Z=8$ ohms, $E=2.83$ rms) of band-limited pink noise (70 Hz to 15 kHz). Impedance, 8 ohms. HF distribution pattern, 110° horizontal and 60° (20°/40°) vertical. Maximum dimensions, 24" H x 18" W x 16-1/4" D. Net weight, 49 pounds.

The loudspeaker system shall be the ALTEC LANSING Model 937 Monitor/Public Address Loudspeaker System.



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