



## DESCRIPTION

The Altec 1230 Multi-Purpose System is a ruggedly portable, roadworthy unit designed for use as a stage monitor in musical sound reinforcement applications, and as a main speaker in P.A. reinforcement applications.

Because of its compact size, unique 8-sided configuration and performance features, the 1230 solves professional-sized problems. Mounted inside the enclosure is Altec's 12-inch 617-8A duplex loudspeaker, well-recognized for uniform frequency response and high efficiency, with low and high frequency elements mounted coaxially to produce an extremely compact yet dynamic system. The high-frequency horn/compression driver assembly provides exceptionally broad distribution of the high end, while the

bass driver element is known for impressively high efficiency and durability.

The 1230's eight sturdy, reinforced sides allow for easy and creative positioning to optimize sound dispersion patterns. The unit serves ideally as a compact, on-the-road traveller, and as a highly-efficient, reliable speaker in public address systems.

This flexible Altec speaker system is finished in black, leather-grained vinyl with matching black textured-knit grille and vinyl edge protectors.

Designed for maximum strength and acoustical properties, the enclosure is constructed of  $\frac{3}{4}$ " particle board, contains acoustical damping materials, and is solidly braced to complement the theoretical design of the entire system.

## SPECIFICATIONS

<b>Type:</b>	Multi-purpose, coaxially-mounted loudspeaker system	<b>Distribution Pattern:</b>	90° (conical)
<b>Components:</b>	617-8A Duplex Loudspeaker with Dividing Network	<b>Crossover Network:</b>	Dual full-section 1500 Hz crossover, 12 dB/octave slope
<b>Power Rating:</b>	Long-Term Broad-Band Maximum Power: Up to 60 watts of band-limited pink noise (50 to 15,000 Hz)	<b>Input Connections:</b>	Two standard 1/4" phone jacks, parallel wired
<b>Frequency Response:</b>	80 Hz to 15,000 Hz	<b>Enclosure:</b>	Heavily braced, rigid enclosure of 3/4" particle board
<b>Impedance:</b>	8 ohms	<b>Finish:</b>	Black leather-grained vinyl with edge protectors and carrying handle
<b>Pressure Sensitivity:</b>	98 dB SPL measured at 4' on axis with 1 watt input of pink noise band-limited from 250 Hz to 5,000 Hz 116 dB SPL measured at 4' on axis with 60 watts input of pink noise band-limited from 250 Hz to 5,000 Hz	<b>Dimensions:</b>	19.5" (49.5 cm) H x 22" (55.9 cm) W x 14" (35.5 cm) D
<b>Equivalent EIA Rating:</b>	51 dB SPL measured at 30' on axis with 1 mW input	<b>Shipping Weight:</b>	60.5 lb (27.5 kg)
		<b>Actual Weight:</b>	52 lb (23.6 kg)
		<b>Accessories (included):</b>	50', 2-conductor cable with standard 1/4" phone plug on each end

### 617-8A Duplex Coaxial Loudspeaker System

	LF	HF
<b>Voice Coil Diameter</b>	3"	1 1/2"
<b>Voice Coil Material:</b>	Copper wire	Aluminum wire
<b>Magnetic Assembly Weight:</b>	4.8 lb	8.5 oz
<b>Magnet Material:</b>	Ceramic	Ceramic
<b>Flux Density:</b>	12,000 gauss	11,400 gauss
<b>Dimensions:</b>	12 1/4" (31.1 cm) Diameter, 7 3/4" (19.7 cm) Depth	
<b>Weight:</b>	25.5 lb (11.6 kg)	

### ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker system shall include a 617-8A Duplex Coaxial Loudspeaker with dividing network/dual full-section 1500 Hz crossover, 12 dB/octave slope.

The system shall meet the following structural and performance criteria. The enclosure shall be constructed of heavily braced 3/4" plywood, covered in black vinyl with edge protectors, shall be acoustically damped with sound-absorbent material, and shall allow for position at 90° and 45° angles, referenced to a floor-plane

mounting surface. Power capacity, up to 60 watts of continuous pink noise band-limited from 50 Hz to 15,000 Hz. Frequency response, 80 Hz to 15,000 Hz. Pressure sensitivity, 98 dB SPL at 4' when measured on axis with 1 watt input of pink noise band-limited from 250 Hz to 5,000 Hz. Impedance, 8 ohms. Distribution pattern, 90° conical. Maximum dimensions, 19.5" H x 22" W x 14" D. Weight, 70 pounds.

The loudspeaker system shall be the ALTEC Model 1230.

# ALTEC

SOUND PRODUCTS DIVISION

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