

**DESCRIPTION**

The 9844-8B is a high-efficiency, three-driver, two-way system which serves many different applications equally well. It is as well suited to recording or broadcast monitoring as it is to sound reinforcement in churches and halls. It also makes an ideal sound reproducer for schools, conservatories, and small theatres.

The 9844-8B's dual bass drivers and 800 Hz crossover frequency offer levels of sensitivity

and power capacity not often found in systems of this size. Two 12-inch bass drivers are mounted in a vented enclosure and coupled through an LC dividing network with 12 dB/octave slope to a sectoral horn-mounted, compression driver; a high-frequency shelving control is accessible from the front of the cabinet.

For bandwidth and sensitivity in a medium-sized package, the 9844-8B is an ideal choice.

SPECIFICATIONS

Type:	Two-way, vented monitor loudspeaker system	Equivalent EIA Rating:	56.5 dB SPL measured at 30' on axis with 1 mW input
Components:	414-16E Low Frequency Loudspeakers 811B HF Sectoral Horn 902 Type HF Compression Driver N800-F Dividing Network	Distribution Pattern:	90°H x 40°V (-6 dB included angles)
Power Capacity:	Up to 60 watts (Measured using pink noise, band-limited from 20 Hz to 20,000 Hz)	Crossover Network:	800 Hz with 12 dB/octave slope, and continuously variable shelving control (0 dB to -10 dB) located on front panel
Frequency Response:	35 Hz to 20,000 Hz	Input Connections:	Screw terminals on rear of cabinet
Impedance:	8 ohms	Enclosure Type:	Vented
Pressure Sensitivity:	103.5 dB SPL measured at 4' on axis with 1 watt input of pink noise band-limited from 500 Hz to 3000 Hz 121.5 dB SPL measured at 4' on axis with 60 watts input of pink noise band-limited from 500 Hz to 3000 Hz	Finish:	Gray lacquer
		Dimensions:	24"H x 31"W x 16"D (61 cm H x 79 cm W x 41 cm D)
		Shipping Weight:	104 pounds (47.2 kg)
		Actual Weight:	90 pounds (40.8 kg)
		Replacement HF Diaphragm:	34647
		LF Recone Kit:	R-414-16

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The loudspeaker system shall be of the two-way monitor type with two 12" low-frequency loudspeakers mounted in a vented enclosure, a high-frequency compression driver loaded with a cast aluminum horn having exponential expansion, and a dividing network having a crossover frequency of 800 Hz, 12 dB/octave slope, and continuously variable HF shelving control with 0 to -10 dB range which is accessible from the cabinet's front.

The system shall meet the following structural and performance criteria. The enclosure shall be constructed of heavily braced 3/4" material, structurally

braced, finished in gray lacquer, and shall be acoustically damped with sound-absorbent material.

Power capacity, up to 60 watts of continuous pink noise band-limited from 20-20,000 Hz. Frequency response, 35-20,000 Hz. Pressure sensitivity, 103.5 dB SPL at 4' when measured on axis with 1 watt input of pink noise band-limited from 500-3000 Hz. Impedance, 8 ohms. Distribution pattern, 40°V x 90°H. Dimensions, 24"H x 31"W x 16"D. Weight, 90 pounds.

The loudspeaker system shall be the ALTEC Model 9844-8B.



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