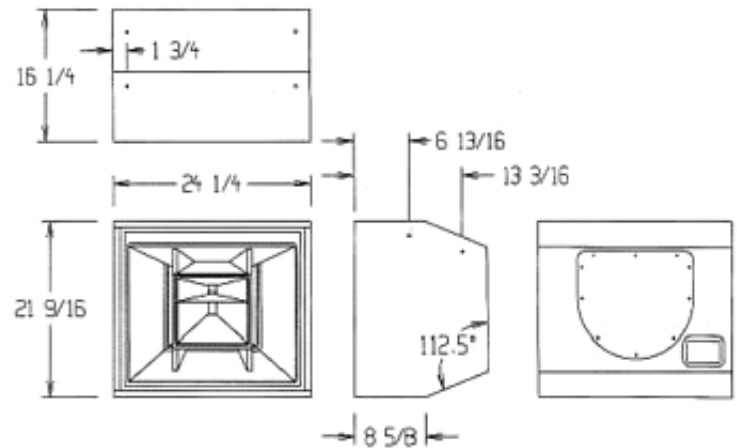




Product Specification Sheet SL1-200 Flyable Two-Way Loudspeaker System

General

The SL1-200 is an unique “solution oriented” Loudspeaker which bridges sound clarity and fidelity, and unparalleled pattern control with a venue aesthetic designed package that is also simple to install. The SL1-200 incorporates two superb geometrically designed and coaxially assembled asymmetrical horns with coverage parameters of 15 degrees in the upper vertical, 45 degrees in the lower vertical, and 110 degrees in the horizontal. The exceptionally designed and crafted HF horn is coupled to a 1” exit HF driver. A 12” transducer is coupled to a mid frequency asymmetrical horn. These horn driver assemblies deliver energy where it’s precisely required - to the audience. The mid and hi frequency horns and drivers are controlled by an internal passive crossover. A 16 gauge steel grill or an optional decorative cloth grill and frame are available on this cabinet.



Construction

For structural integrity $\frac{3}{4}$ ” void free birch veneer plywood is used. Top and side panels are internally reinforced with “steel” angle braces making the cabinet structurally engineered for flying. In addition all joints are reinforced with internal wood bracing both glued and cross-nailed in place.

SL-200 Application

The SL1-200 is a two-way passive Loudspeaker that uses a 12” woofer and a 1” high frequency driver coaxially mounted in asymmetrical horns (110 degree horizontal x 15 degree upper vertical x 45 degree lower vertical). The SL1-200 should be used whenever high intelligibility and maximum pattern control is needed for speech and music sound reinforcement. The SL1-200 can be used alone but works excellently when additional low frequency is added either with the uniquely designed SL1-118 flyable subwoofer, or a floor positioned OAP SFT-115, OAP LF-115, OAP LF-118, OAP TR-215 or OAP TR-218.

Flying Hardware Option

Warning!!!! Rigging and Flying of the SL1-200 should be done by persons familiar with standard rigging practices. If you are not familiar please consult the factory, your Dealer, the local Stage Hands Union, or a Rigging Supply Company in your area.

The SL1-200 is easily flyable using the four rigging points on the top and/or the sides and rear of the cabinet. A $\frac{3}{8}$ ” x 16 x 1” Forged I-bolt (FIB-3/8) is available for use in attaching “flying” support cables to the cabinet to the fly points.

Architectural Specifications

The loudspeaker shall be of the two-way type and capable of usable frequency response of 65 Hz to 20 Khz. The sides of the enclosure shall be perpendicular to the top and the bottom of the enclosure. The upper panel of the front baffle (housing for the Coaxial Asymmetrical horns and drivers) will be parallel to the rear panel. The high frequency device shall incorporate a 1” exit throat asymmetrical horn (110 degree horizontal x 15 degree in the upper vertical x 45 degree in the lower vertical) coupled to a 1” exit high frequency driver. The Mid Frequency Asymmetrical Horn will be coupled to a 12” woofer. Input connection to the system shall be located on the rear of the enclosure and shall be a two-position terminal strip type. A 16 gauge perforated steel grill or an optional fabric covered grill frame will be provided. Ease of access to the components of the system is facilitated for field serviceability. The Loudspeaker shall be the OAP SL-1 Series model SL1-200.

Décor Matching

The enclosure will have the finish deliverable options of “unfinished” (for future staining), “black textured enamel paint”, or “white textured enamel paint”. Additionally, the unit can be manufactured with a 16 gauge perforated steel grill (black or white) or optional cloth grill in black, white, wheat, or pumice.

Warranty

OAP Audio SL1-200 Model Loudspeakers are guaranteed against failure due to workmanship and materials for a period of five years from the date of purchase and is limited to the original purchaser. If such failure does occur, the unit will be replaced or repaired (at the discretion of OAP Audio) without charge for labor and materials. The unit must be delivered to OAP Audio or one of its authorized service facilities prepaid. In-warranty items will be returned prepaid. Items not covered by warranty include: finish or appearance items, burned coils, or failures due to operation under other than specified conditions. This warranty also does not include any incidental or consequential damages. Repair by someone other than OAP Audio or an authorized OAP service facility will void this guarantee.

As a Research and Development Corporation, OAP Audio reserves the right to change specifications to improve performance.

Specifications

Impedance	8 ohm nominal
Frequency Response	65 Hz – 20 KHz
Power Handling	400 Watt Program Power
Sensitivity	98 dB @ 1 watt / 1 meter (2.83V @ 1m)
Dimensions	24.25” W x 21.56” H x 16.25” D
Weight	60 lbs.
Low Freq. Device	12” Woofer w/ 3” voice coil; 80 oz. Magnet
High Freq. Driver	1” exit w/ 1.75” voice coil diameter, Mylar diaphragm
Asymmetrical Horns	110 hor. x 15 upper vert. x 45 lower vert.
Crossover Freq.	1.6 KHz
Fly Points (3/8” x 16)	4 on top; 4 on upper sides
Cabinet Finish	Unfinished; White or Black Textured Enamel
Grill	16 Ga. Perf. Steel – White or Black; Cloth option White, Black, Wheat, Pumice
Input	2 position Barrier Strips