

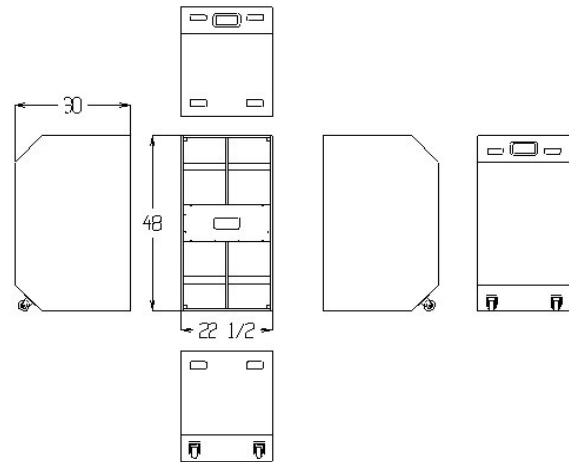
FH-118

“Truck Pack”

Long Throw/Low Frequency Loudspeaker System



FH-118 All dimensions are in inches



General

The FH-118 is a 1200-watt low frequency speaker system utilizing an 18” transducer providing a uniform response from 55Hz to 200Hz when used singly in a half-spaced environment. Its folded configuration allows a full 4 ft. long 40 Hz flair-rate exponential horn to be packaged in a relatively compact enclosure. The rear chamber is tuned for 35Hz and provides a useable response down to 32Hz. The horn is designed to be used in multiples (2 to 8 cabinets) to provide flat response to below 40Hz in environments where reflective surfaces are not available, hence stacking (8) FH-118’s will provide a true 40Hz horn. Designed for fixed and portable use, the FH-118 should be used when additional medium/ long throw low frequencies are needed to augment mid-range, high or full range speaker systems. It can be used for live sound reinforcement and music playback systems. The FH-118 is ideally suited for outdoor concert applications.

Structural integrity of the enclosure is insured by using 3/4” birch plywood. All connecting surfaces are glued, T-nails, and hardwood braced. For transport durability, all edges are rounded. The steel input panel is recessed, and the handles are integral to the enclosure. The FH-118 comes with an attractive and durable textured finish. The standard color is black with a textured “roadcoat” finish option. Additionally, the FH-118 comes with two bottom castors for ease of movement. A “Truck Pack” option is also available.

Transducer

The FH-118 uses the OAP Audio SR-1800 transducer which incorporates a 4” voice coil bonded to a glass fiber former. The frame is cast aluminum to support the massive magnet system. To insure proper cooling of the voice coil, a vented pole piece is employed. This superior transducer is combined with a fourth order enclosure for reliable low frequency reproduction.

Input Panel Operation

The FH-118 is supplied with an input panel consisting of either two parallel 15 amp 1/4” jacks or two NL4 Speakon connectors. The input plate with 1/4” jacks has the tip positive and the sleeve negative. For the NL4 Speakon connector input plate pins 1 + is positive and 1 - is negative. These panels can be interchanged or removed for service in the field with only a phillips head screwdriver. To change input panels, remove the phillips head screws. Lift the panel from the enclosure and pull apart the internal connector. To install another panel, reverse the above procedure. Ensure that there is color continuity on both sides of the connector.

WARRANTY: OAP Audio loudspeaker systems are guaranteed against failure due to workmanship and materials for a period of five (5) years from date of purchase and is limited to original purchaser. If such failure does occur, unit will be replaced or repaired (at the discretion of OAP Audio) without charge for labor and materials. Unit must be delivered to OAP Audio or one of our authorized service facilities prepaid. In warranty items will be returned prepaid. Items not covered by warranty

includes finish or appearance items, or failure due to operation under other than specified conditions. This warranty also does not include any incidental or consequential damages. Repair by other than OAP Audio or an authorized service facility will void this guarantee.

ARCHITECTURAL SPECIFICATIONS:

The loudspeaker shall be of the long throw/low frequency type and be capable of usable frequency response of 32 Hz. To 200 Hz. The loudspeaker system shall utilize a 1200-watt 18” transducer that has a 4” voice coil, vented pole piece and cast aluminum frame. The enclosure shall be of 3/4” birch plywood and internally braced with hardwood bracing. All exposed corners shall be rounded and all hardware recessed to be flush with the exterior of the enclosure. The input panel shall be removable via a field connector system to facilitate servicing and exchange of input panels. The loudspeaker system shall be the OAP Audio product model FH-118.

FH-118 Specifications

Impedance	8 ohms nominal
Low Frequency Device	SR-1800 18” cast frame, 4” VC, vented pole piece
Frequency Response	32 Hz to 200 Hz
Power Handling	1200 watts continuous program power
Sensitivity	99.5 dB 1w/1m - 127dB @ 700w/1m
Dimensions	22 1/2” W x 48” H x 30” D
Weight	110 lbs.
Color	Black
Roadcoat (option)	Black, Durable 100% polyurethane coat- for the ultimate in protective finishes.

Note: As a research and development corporation, OAP Audio reserves the right to change specifications to improve performance

Rev D (05/13)