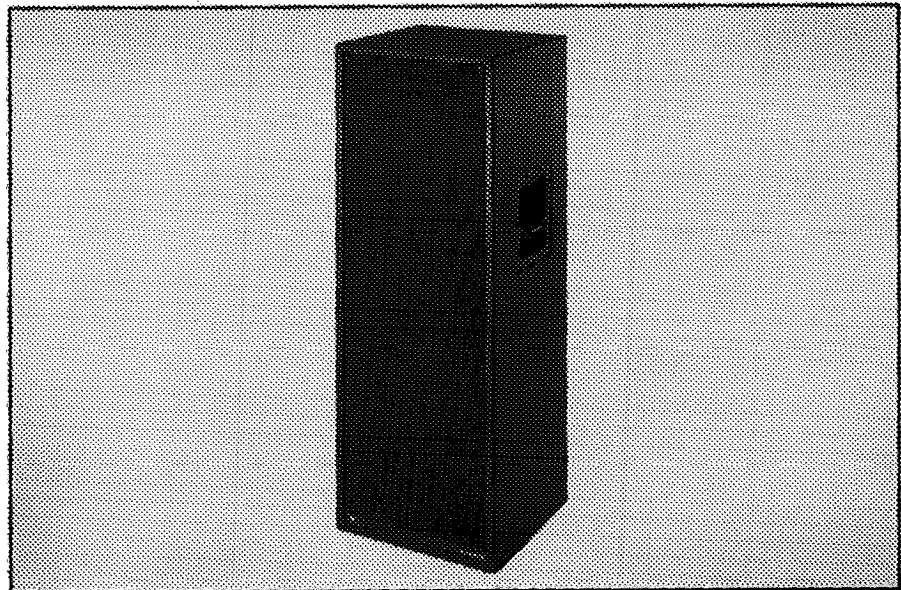


Array Series

Key Features:

- ▶ High Technology Transducers
355 mm (14 in) Ultra-low Distortion Woofer with Vented Gap Cooling(VGC)
- ▶ Array Module Design
Easily Arrayed with 4892 or 4894 cabinets
- ▶ Secure Array Flying
Ergonomics - S.A.E.E.
Internal Steel Braces accept Optional Truss Module and Hardware
- ▶ Versatile
Concert and Theatre Reinforcement, A/V Presentation, High Power Installations



Array Series Systems

JBL's commitment of providing audio professionals the best tools for their work continues with the Array Series. JBL Array Series systems provide the ultimate performance for touring and fixed installations. The high power, compact 4893 provides smooth, tight response from both a single box and arrays of multiple boxes. It combines ease of transport with the flexibility to fly or install quickly and safely. Common dimensions of width and depth (height for 4894) allow easy integration with other Array Series systems to provide clearly superior performance. Reliability is designed in without having to rely on intrusive signal processing.

Components

Array Series builds upon a solid foundation: more than 40 years of JBL transducer expertise and engineering. The 355 mm (14 in) low frequency transducer uses Vented Gap Cooling (VGC)¹ to provide accurate reproduction at high power levels with minimal power compression. Computer aided analysis of JBL's Symmetrical Field Geometry (SFG) has allowed JBL engineers to optimize the magnetic structure to reduce both weight and harmonic distortion. A new cone design greatly improves cone strength and stiffness-to-weight ratio through use of a new glass fiber/paper composite material.

¹U.S. Patent #5,042,072

Specifications:

Frequency Response (± 3 dB) ¹ :	38 Hz - 400 Hz
Sensitivity:	98 dB (1 W, 1 m)
Recommended Amplifier Powers:	600 W @ 8 ohms each transducer, 1200 W total
Nominal Coverage:	Array Dependent
LOW FREQUENCY TRANSDUCERS:	
Nominal Diameter:	355 mm (14 in)
Nominal Impedance:	Two Transducers with separate pinouts, 8 ohms each
Power Rating:	600 W AES each transducer, 50 Hz to 500 Hz, 1200 W AES total system; 2400 W peak each transducer, 4800 W peak total system
Voice Coil:	100 mm (4 in) edgewound aluminum ribbon
Magnet Assembly:	Linear SFG motor structure, Vented Gap Cooling
ENCLOSURE:	
Type:	Vented, Rectangular
Material:	19 mm (3/4 in), 13 ply hardwood
Flying System:	S.A.F.E. JBL proprietary, modular, certified
Finish:	Black textured paint
Grille:	16 ga. perforated steel, foam backed
Connectors:	Parallel 8 pin Neutrik - pins 1+ ,2+ LF1, pins 1-, 2- LF2
Dimensions:	1066 x 394 x 362 mm H x W x D (42x15 1/2 x 14 1/4 in)
Net Weight:	45.5 kg (100 lb)

¹Half Space measurement

²1 W is equivalent to 2.83 V into 8 ohms

³Recommended Power Amplifier ratings are a guide for amplifier selection considering normal program material and line voltage available to amplifiers, although lower power amplifiers may be utilized. The 4894 system is capable of greater peak power input.

JBL continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.

▶ 4893 High Power Compact Subwoofer System

S.A.F.E.™ Secure Array Flying Ergonomics

Important for portable installation applications is the ability to rig a cluster quickly with a solution that is easy to use. The subwoofers' internal steel trusses that are ready to accept optional bolt-on truss modules. Ultimate strength of the system is met by the secure locking mechanism. A complete line of hardware is available for any application including flying subwoofers in the array.

Digital Control

The ES Digital Controller offers system control with precision only possible in the digital domain. It provides six crossover filters to accommodate a wide range of slopes and alignment resolution and protection limiting provides superior intelligible sound quality.

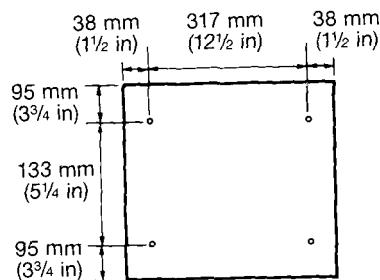
Enclosure

Extremely rigid 12 mm in-ply aramid fiber enclosure with lac paint finish and perforated 1/2" gauge steel grille form a durable package. Its rectangular shape allows vertical or horizontal configuration and integration into arrays without changing coverage.

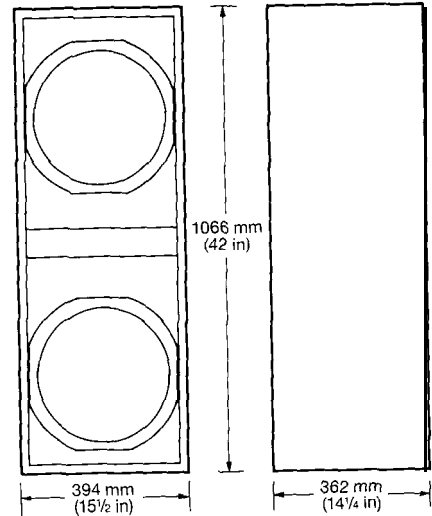
Applications

The subwoofers provide every low frequency support for Array Series and full range systems.

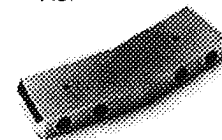
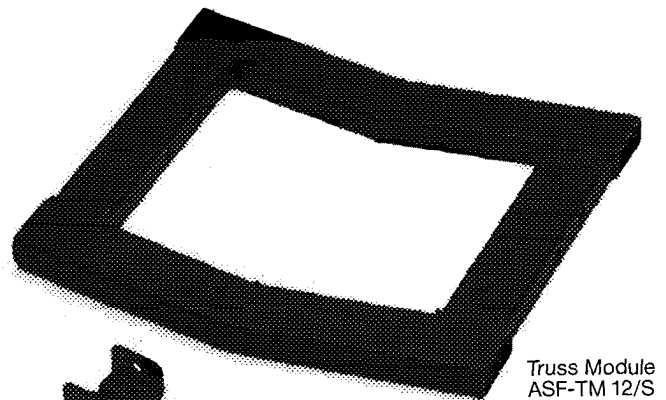
Feature	SAF.E™ Advantage
Truss Module	Compatible with truss
Shackle Mount	Attaches to truss module to create a lifting point
Connecting Bar	Connects to truss modules
Quick Release Pin	Connects SAF.E. components
Stacking Bracket	Vertically attaches to truss modules
Locking Steel Carabiner	Secure shackle mount
Weight Lou Speaker	Truss modules installed



1/4 x 20 threads, 4 places, top and bottom



Optional S.A.F.E. Fittings



15° Connecting Bar ASF-CB 12/15



JBL Professional
8500 Balboa Boulevard, PO. Box 2200
Northridge, California 91329 U.S.A.

Harman International Company