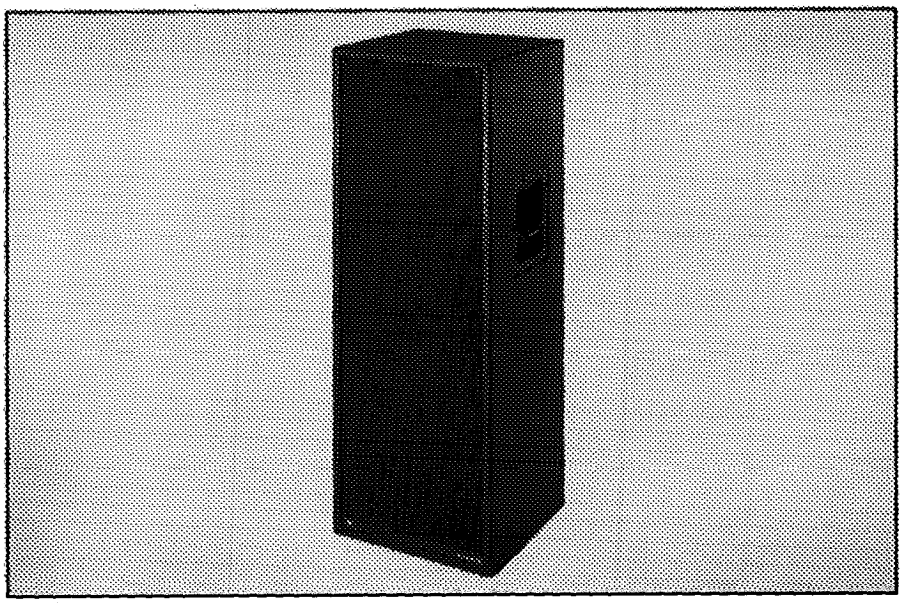
4893 High Power Compact Subwoofer System

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.

[1]U.S. Patent #5.042,072

Specifications:

Frequency Response (±3 dB)[1]:	38 Hz - 400 Hz
Sensitivitya:	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 (¾ 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 l+ ,2+ LFl, pins l-, 2- LF2
Dimensions: H x W x D	1066 x 394 x 362 mm (42x15½x14¼in)
Net Weight:	45.5 kg (100 lb)

[1]Half Space measurement

[2]1 W is equivalent to 2.83 V into 8 ohms

[3]Recommended 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.

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

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Enclosure

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Applications

e pro i es ery lo re uency support or Array Series an ull range systems.

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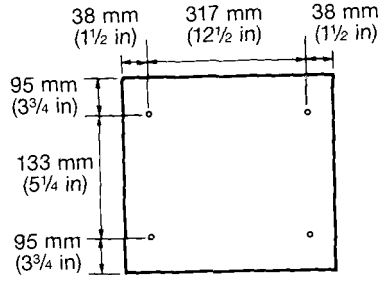
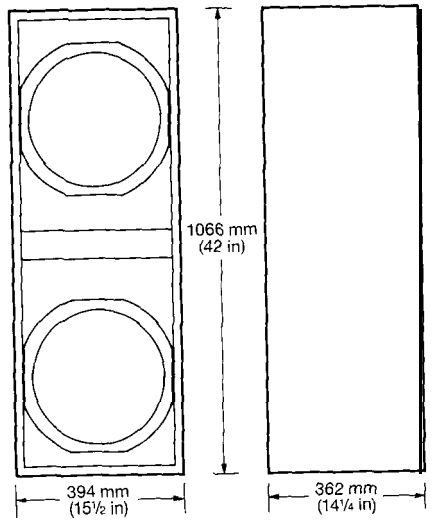


¼ x 20 threads, 4 places,
top and bottom



Optional S.A.F.E. Fittings

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

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