

4832

Three-Way Bi-Amplified ScreenArray® Cinema Loudspeaker System



Key Features:

- Three-way ScreenArray® design for maximum output, optimal coverage and minimum distortion
- Available for bi-amplified operation
- Large format 3" neodymium, titanium diaphragm, high frequency compression driver
- Patented Differential Drive® 15" low frequency woofers for improved power handling and reduced distortion.
- Molded Optimized Aperture Waveguide technology for ultra-low distortion and extremely uniform frequency response
- SSC™ Screen Spreading Compensation
- Focused coverage technology
- Flat front waveguide design for easy baffle wall installation
- Shallow profile for minimum behind-screen depth requirements
- Connection on top of the speakers for easy wiring behind screen
- HF driver protection



Description:

Today's premier cinemas require perfect coverage in every seat of the auditorium, wide dynamic range and extended bandwidth, as well as inaudible levels of distortion. Digital soundtracks, especially those associated with the latest digital cinema requirements, require sound systems that can accurately reproduce the sound exactly as recorded. Designed for high power critical sound reproduction in premier cinemas, studio production and post-production applications, the 4832 next-generation ScreenArray features true three-way design enhanced by advanced engineering. JBL's latest technical innovations are integrated into a system design that provides superior coverage, maximum power handling and uniform acoustic power output, along with extremely low distortion. The ScreenArray design provides ideal power response and directivity control with seamless transitions between acoustic sections.

Specifications:

System [4832 Specifications in Brackets]	
Frequency Range	30 Hz – 20 kHz
Frequency Response (±3 dB)	40 Hz – 19 kHz
Hor. Coverage Angle (-6 dB)	90°
Vert. Coverage Angle (-6 dB)	20° up, 30° down
Rated Maximum SPL	130 dB @ 1 m (3.3 ft), 136 dB peak
Crossover Frequencies	250 Hz, [1.2 kHz]
Net Weight	84.4 kg (186 lb)
Shipping Weight	103.5 kg (228 lb)
Dimensions (H x W x D)	2427 mm x 762 mm x 450 mm (95.6 in x 30 in x 17.75 in)
Component Electronics – Model 4839	
Low Frequency Transducers	2 x 265H-2, 380 mm (15 in) diameter, Differential Drive® edgewound ribbon voice coil transducers mounted in 4509 LF enclosure
Input Connectors	Push terminal binding posts
Nominal Impedance	4 ohms
Minimum Impedance	3.3 ohms @ 230 Hz
Input Power Handling (AES 100-Hour Rating)	500 W (44.5 V)
Input Power Handling (AES 2-Hour Rating)	800 W (56.5 V)
Free-Field Sensitivity	104 dB SPL, 2.83V @ 1 m (3.3 ft)
Dimensions (H x W x D)	883 mm x 762 mm x 450 mm (34.75 in x 30 in x 17.75 in)
Net Weight	48.6 kg (107 lb)
Shipping Weight	55.4 kg (122 lb)

Component Electronics – Model 4832-M/HF	
Mid Frequency Transducers (Ships Fully Assembled)	4 x 165H, 165 mm (6.5 in) diameter, 38 mm (1.5 in) voice coil
High Frequency Transducer (Ships Fully Assembled)	1 x 2432H, 75 mm (3 in) titanium diaphragm and voice coil diameter, 38 mm (1.5 in) exit diameter
Input Connectors	Screw terminal barrier strip
Nominal Impedance	4 ohms, [HF: 8 ohms]
Minimum Impedance	3.5 ohms @ 300 Hz
Free-Field Sensitivity	107 dB SPL, 2.83V @ 1 m (3.3 ft) [MF: 109 dB SPL, 2.83V @ 1 m (3.3 ft)] [HF: 115 dB SPL, 2.83V @ 1 m (3.3 ft)]
Input Power Handling (AES 100-Hour Rating)	200 watts, 400 watts recommended amplifier [MF: 200 watts, 400 watts recommended amplifier] [HF: 85 watts, 200 watts recommended amplifier]
Dimensions (H x W x D)	1544 mm x 762 mm x 450 mm (60.8 in x 30 in x 17.75 in)
Net Weight	35.4 kg (78 lb)
Shipping Weight	47.7 kg (105 lb)

Specifications are stated in free-field (4pi) conditions.

JBL continually engages in research related to product improvement. Some 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.

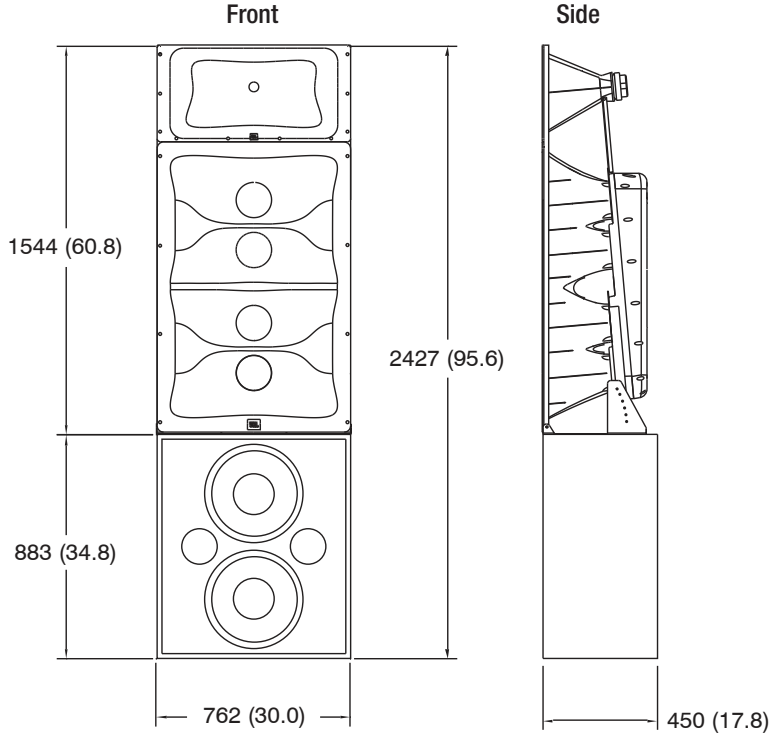
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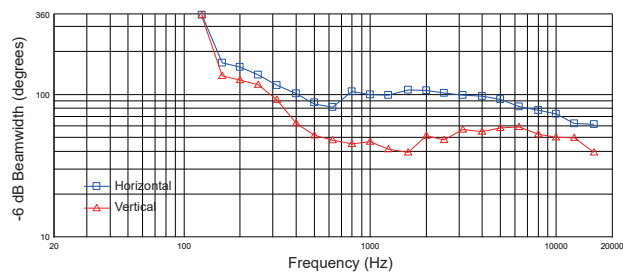
Dimensions:

Dimensions in mm (in)



Graphs:

Bandwidth vs. Frequency



Directivity Index and Directivity Factor

