

JBL

3722/3722N Two-Way ScreenArray® Cinema Loudspeaker System

Professional Series

Application:

Cost effective film sound reproduction

Key Features:

- ▶ Two-Way ScreenArray® design for maximum output, optimal coverage, and minimum distortion.
- ▶ Available for Bi-amplified operation (model 3722) or fully passive operation (model 3722N)
- ▶ SSC™ Screen Spreading Compensation
- ▶ New molded Optimized Aperture Waveguide technology for ultra low distortion and extremely uniform frequency response
- ▶ Low Frequency section features dual 15" transducers with ribbon wire voice coils for low distortion and high efficiency.
- ▶ Flat Front Wave Guide design for easy baffle wall installation
- ▶ Shallow profile for minimum behind screen depth requirements.

Today's 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 tracks associated with the new digital cinema requirements, require sound systems for premier auditoriums that can accurately reproduce the sound exactly as recorded.

The 3722(N) ScreenArray provides smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective system. The ScreenArray horn features a panted design that compensates for high frequency spreading caused by perforated screens for greatly improved audience coverage.

The 3722(N) next generation ScreenArray is 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:

Freq. Range:	30 Hz - 18 kHz
System Sensitivity:	104 dB, 2.83V @ 1 m (3.3 ft)
Nominal Impedance:	4 ohms
Rated Maximum SPL:	127 dB, @ 1 m (3.3 ft) 133 dB peak
Passive System	
Input Power Rating: ¹	400 W
Bi-Amp System	LF: 500 W
Input Power Rating:	HF: 50 W
Nominal Coverage:	90° horizontal, -30°, +20° vertical
Crossover frequency:	1300 Hz
HF Bracket Tilt Range:	±30° horizontal, ±10° vertical
Dimensions (H x W x D):	1265 mm x 762 mm x 450 mm (49.8 in x 30 in x 17.75 in)
Net Weight:	62.2 kg (137 lb)
Shipping Weight:	76.3 kg (168 lb)

Component Elements:

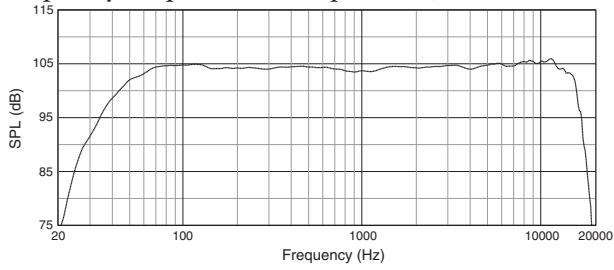
3739 Low Frequency:	Two M115-8A 380 mm (15 in) dia., 61 mm high (2.5 in) edgewound ribbon voice coil transducers mounted in a 4509 LF enclosure
Dimension (H x W x D):	883 mm x 762 mm x 450 mm (34.75 in x 30 in x 17.75 in)
Net Weight:	54.9 kg (121 lb)
Shipping Weight:	63.6 kg (140 lb)
3722-HF High Frequency	Ships fully assembled. One 2418H-1 compression driver, One 2374 HF horn, one adjustable bracket
Pack:	
Dimension (H x W x D):	381 mm x 762 mm x 381 mm (15 in x 30 in x 15 in)
Net Weight:	7.3 kg (16 lb)
Shipping Weight:	12.7 kg (28 lb)

¹Rating based on test signal of filtered random noise conforming to the International standard IEC 268-1 (pink noise with 12 dB per octave roll-off below 40 Hz and above 5000 Hz with a peak-to-average ratio of 6 dB).

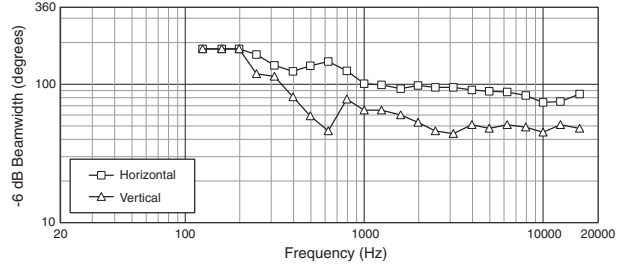
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▶ 3722/3722N Two-Way ScreenArray® Cinema Loudspeaker System

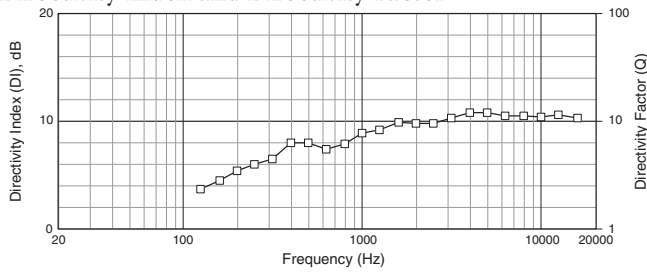
Frequency Response in half-space (2π)



Bandwidth vs. Frequency

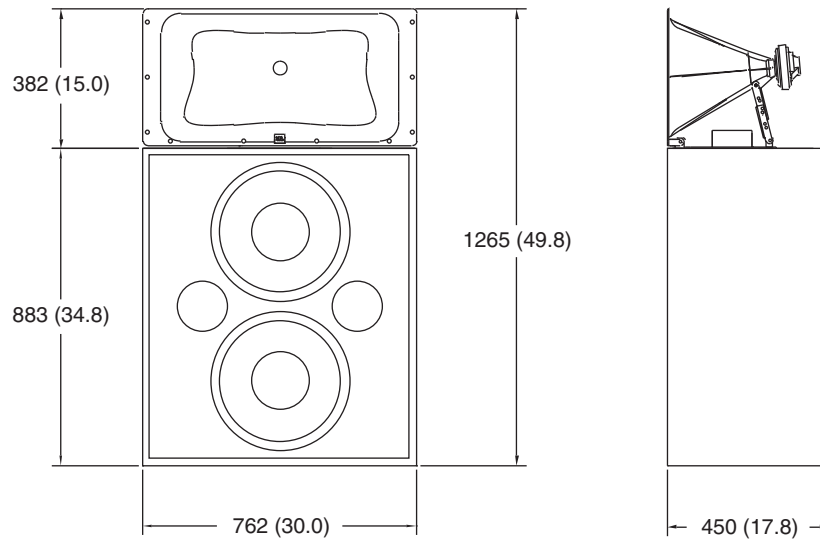


Directivity Index and Directivity Factor



Dimensions

Dimensions in mm (in)



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