3252/3252N Two-Way Screen Channel Cinema Loudspeaker System

Professional Series

Application:

Cost effective movie sound track sound reproduction for basic cinema and small-to-mid sized auditoriums

Key Features:

- Two-way screen channel design for maximum output, optimal coverage, and minimum distortion.
- Available for bi-amplified operation (model 3252) or fully passive operation (model 3252N)
- New molded Optimized Aperture Waveguide technology for ultra low distortion, consistent coverage pattern and extremely uniform frequency response
- Low Frequency section features dual 15" transducers with aluminum ribbon wire voice coils for low distortion and high efficiency.
- Newly designed passive network with driver protection circuit
- All in one enclosure for simple installation
- Shallow profile and side connector design for minimum behind screen depth requirement
- Teonex diaphragm high frequency driver for warm and clean sound. Magnetic fluid for low distortion, high power output.

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 3252(N) Screen Channel provides smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective system. The convenient all-in-one enclosure requires no field assembly, simplifies set-up to construct a neat sound reproduction system.

A asymmetry horn provides smooth, even coverage throughout the auditorium, without tilting the speaker. The newly-designed passive crossover network is optimized to provide a seamless transition between driver components, for clear, articulate dialog, and high fidelity music reproduction. A protection circuit ensures that all components operate within their optimal power handling range, to ensure many years of high reliability performance.

Specifications:

System:	
Frequency Range (-10 dB):	37 Hz-20 kHz
Frequency Response (±3 dB):	53 Hz-18 kHz
System Sensitivity:	103 dB, 2.83V @ 1 m (3.3 ft)
Nominal Impedance:	4 ohms
Rated Maximum SPL:	124 dB, @ 1 m (3.3 ft) 130 dB peak
Passive System Input Power Rating:[1]	400 W
Bi-Amp System Input Power Rating:	LF: 500 W HF: 12.5 W
Nominal Coverage:	100° horizontal, -30°, +20° vertical
Crossover frequency:	2000 Hz
Transducer:	
Low Frequency Transducer:	Two 380 mm (15 in) dia., 63 mm (2.5 in) ribbon voice coil transducers
High Frequency Transducer:	One 2414H-C compression driver
Physical:	
Dimensions (H x W x D):	1100 mm x 640mm x 450mm (43 1/3 in x 25 1/5 in x 17 3/4 in)
Net Weight:	46 kg (101 lbs)
Shipping Weight:	52 kg (115 lbs)

[1] Rating based on test signal of IEC filtered pink noise with a peak-to-average ratio of 6 dB, 100 hours duration.

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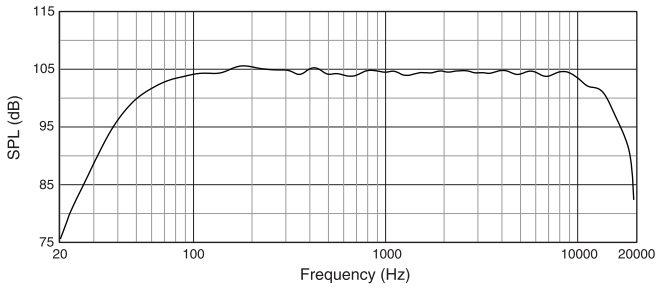
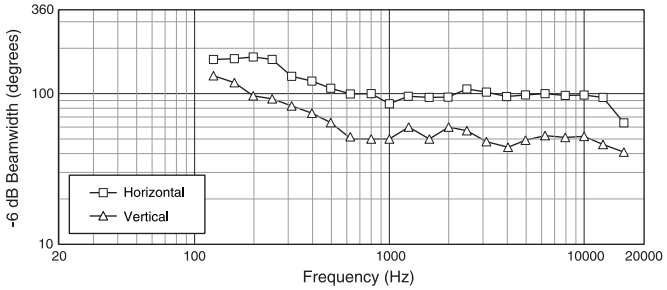
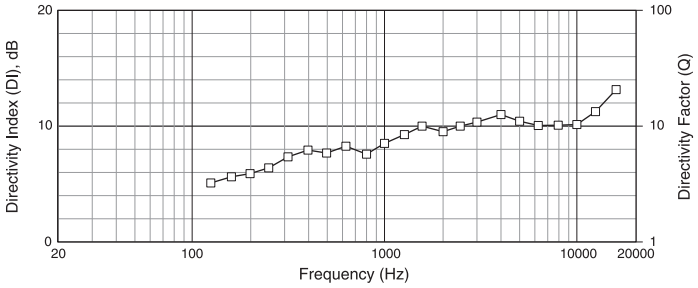
Frequency Response in full-space with external EQ



Beamwidth vs. Frequency

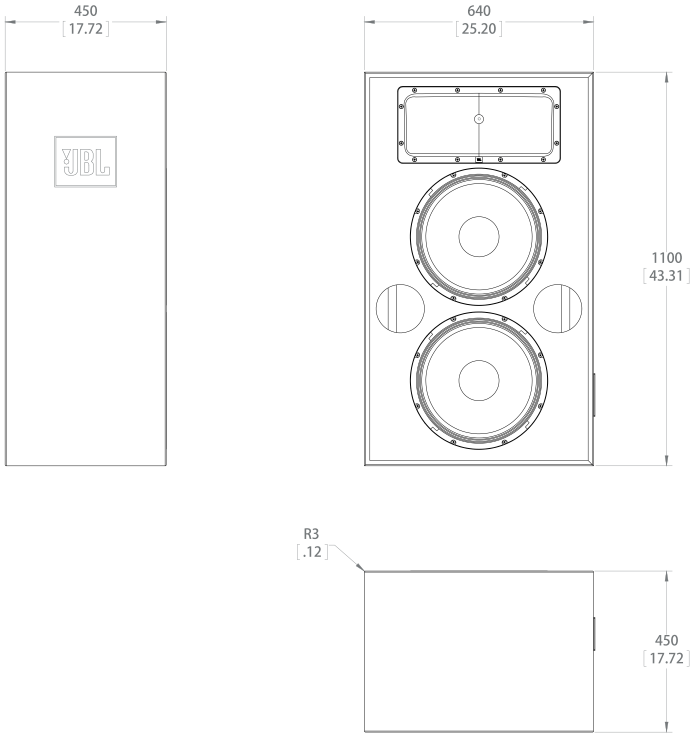


Directivity Index and Factor



Dimensions

Dimensions in mm (in)



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

www.jblpro.com

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