

3622N Two-Way ScreenArray® Cinema Loudspeaker System

Professional Series

Application:

Cost-effective film sound reproduction

Key Features:

- ▶ Frequency Range: 30 Hz to 20 kHz
- ▶ Sensitivity: 101 dB 1 W, 1 meter (3.3 ft)
- ▶ Power Capacity: 400 W continuous IEC pink noise
- ▶ SSC™ Screen Spreading Compensation (patent pending)
- ▶ Second-generation Optimized Aperture™ Waveguide technology for ultra-low distortion and extremely uniform frequency response.

Components:

- ▶ Dual 380 mm (15 in) low frequency transducers
- ▶ 44 mm (1.75 in) diaphragm compression driver
- ▶ 90° x 50° Low distortion ScreenArray horn
- ▶ Fully passive system
- ▶ Smooth response, controlled coverage

The 3622N provides smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective system. The system is comprised of two parts: the 3622-HF high-frequency pack and the 3639 low-frequency system.

The 3622-HF high-frequency pack features the JBL 2418H-1, 44 mm (1.75 in) diaphragm compression driver, JBL 2374 ScreenArray horn and adjustable bracket. The ScreenArray horn features a patent pending design that compensates for high frequency spreading caused by perforated screens for greatly improved audience coverage. Together, these elements provide clear, accurate reproduction of the mid/high frequency information. All of these components come pre-assembled to reduce field assembly time thus reducing installation costs.

The 3639 dual 380 mm (15 in) low-frequency system uses JBL low frequency transducer technology for outstanding performance benefits. The JBL M115-8A 380 mm (15 in) transducer, with its ribbon wire voice coil, delivers low distortion and high efficiency.



The 3622N is a passive system utilizing a sophisticated crossover network. Developed using computer optimization technology, it provides seamless transition resulting in excellent power response and controlled directivity.

These benefits coupled with the extended high frequency response provide the dynamic range and controlled coverage required by today's Cinema patron.

Specifications:

System	
Freq. Range:	30 Hz - 20 kHz
System Sensitivity:	101 dB, 2V @ 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
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):	1289 mm x 762 mm x 450 mm (50.75 in x 30 in x 17.75 in)
Net Weight:	65 kg (143 lb)
Shipping Weight:	75.4 kg (166 lb)
Component Elements	
3639 Low Frequency:	Two M115-8A 380 mm (15 in) dia., 61 mm (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:	56 kg (123 lb)
Shipping Weight:	64.5 kg (142 lb)
3622N-HF High Frequency Pack:	One 2418H-1 compression driver, One 2374 HF horn, one adjustable bracket
Dimension (H x W x D):	381 mm x 762 mm x 381 mm (15 in x 30 in x 15 in)
Net Weight:	9 kg (20 lb)
Shipping Weight:	14.5 kg (32 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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SS 3622N
CRP 10M
07/02