

### Application:

Small room, cinema sound systems

### Key Features:

- ▶ Frequency Range: 40 Hz to 20 kHz (–10 dB)
- ▶ Sensitivity: 99 dB
- ▶ Power Capacity: 250 watts
- ▶ Low frequency transducer: One 380 mm (15 in.) low frequency driver
- ▶ High frequency transducer: 25 mm (1 in.) horn throat diameter, 44 mm (1.75 in.) pure titanium diaphragm compression driver
- ▶ 90° X 40° Flat-Front Bi-Radial® horn
- ▶ Newly designed passive network with driver protection circuit
- ▶ All in one enclosure for simple installation
- ▶ Shallow profile cabinet minimizes behind-screen space requirements

The JBL 3677 cinema loudspeaker system provides natural sound quality for music and dialog in small cinema applications. The convenient all-in-one enclosure requires no field assembly, simplifies set-up, and reduces labor costs. Enclosure design is extremely shallow in depth (292 mm; 11.5 inches), to minimize the space required behind the screen.

The high-frequency section consists of the JBL 2416-1 pure titanium compression driver and 2373 Flat-Front Bi-Radial® horn. The titanium diaphragm of the 2416-1 ensures natural sound and reliability, mandatory in today's motion picture theatres. The 2373 horn provides smooth, even coverage throughout the auditorium.

The low frequency driver is the JBL 2035H, which provides an exceptional match for system power handling and frequency response in the crossover region.



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.

### System Specifications:

|                                                 |                                                      |
|-------------------------------------------------|------------------------------------------------------|
| Frequency range (–10 dB):                       | 40 Hz to 20 kHz                                      |
| Frequency response (± 3 dB):                    | 45 Hz to 12 kHz                                      |
| Power capacity <sup>1</sup> (system):           | 250 W continuous pink noise                          |
| Sensitivity:                                    | 99 dB (1W, 1m)                                       |
| Nominal impedance:                              | 8 ohms                                               |
| Crossover frequency:                            | 1.2 kHz                                              |
| Nominal coverage:                               | 90° horizontal, 40° vertical                         |
| Half-space reference efficiency:                | 3.2%                                                 |
| Maximum acoustic power output (sine wave input) | 7 acoustic watts                                     |
| System Polarity:                                | Positive voltage to RED produces forward cone motion |
| Input connectors:                               | Barrier strip, screw terminals                       |
| Net system weight:                              | 39 kg (85 lbs)                                       |
| Shipping weight:                                | 42 kg (93 lbs)                                       |
| Dimensions (H x W x D):                         | 765 x 651 x 292 mm<br>30.125 x 25.625 x 11.5 inches  |

<sup>1</sup>Rating based on test signal of continuous pink noise, per IEC spectrum for two hours duration.

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

## ▶ 3677 Cinema Loudspeaker System

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