200 SERIES
CINEMA SCREEN ARRAY
LOUDSPEAKER SYSTEM
In designing the JBL 200 Series, our goal was to offer cinemas an affordable solution for creating the best possible audio experience in small- to mid-sized rooms. By including new, patent-pending technologies that complement the legendary sound of JBL cinema loudspeakers, the 200 Series offers a solution without compromise—improving performance and coverage while dramatically lowering the total cost of ownership.
JBL’s latest technological advances with a compact footprint and accessible price point

Patent-pending Dual Dissimilar Array

Patent-pending Acoustic Aperture Technology

Driver Technology — the 200 Series uses the same driver technology trusted by top movie studios
NEW TECHNOLOGY

DUAL DISSIMILAR ARRAY

Accurate Coverage for the Entire Room

JBL’s patent-pending Dual Dissimilar Arraying design combines two asymmetric high-frequency drivers in tandem, making it possible to sculpt the geometry of modern cinemas. While traditional configurations require three-way loudspeakers to achieve this level of customization, Dual Dissimilar Arraying creates coverage patterns specifically designed for raked seating in modern cinemas. The result? Sound that’s sculpted perfectly for the room—no matter where you sit.
DUAL DISSIMILAR ARRAY

INDIVIDUALS

TARGET

20

HIFI

HF2
DUAL DISSIMILAR ARRAY

ARRAYED

TARGET

C200 HF

10
ACOUSTIC APERTURE

Clarity and Coverage at the Crossover

The JBL 200 Series includes Acoustic Aperture Technology that works seamlessly with its low-distortion 15" driver. The Acoustic Apertures create a horn-loading effect, helping to maintain a wide horizontal coverage pattern through the crossover range while improving speech clarity. All of this engineering comes to life by producing even coverage of the entire cinema seating area, making every seat the best seat.
ACOUSTIC APERTURE

WITHOUT APERTURE
ACOUSTIC APERTURE WITH APERTURE
## SPECIFICATIONS

### System
- Free Field Freq. Response (-3 dB): 77Hz - 14kHz
- Free Field Freq. Response (-10 dB): 44Hz - 18kHz
- Hor. Coverage (-6dB): 90 Degrees @ 1kHz
- Vert. Coverage (-6dB): 90 Degrees @ 1kHz

### Electrical
- Passive Rated Impedance: 8Ω
- Minimum Impedance: 7Ω @ 167Hz
- Power Handling (2Hr AES Rating): 900W
- Power Handling (100Hr AES Rating): 175W

### Free Field Sensitivity
- Passive Sensitivity ref 2.83V: 99 dB SPL @ 1w, 1m
- Calculated Max SPL: 125 dB

### Physical
- Weight: 79 lbs (35.8265 kg)

### Furthest Seat
| Meters | 13.5 |
| Feet   | 44.28 |
| HF Driver | 2409H-2 x 1 |
| LF Driver | M115-8A x 1 |

Dimensions: Inches (cm)
## SPECIFICATIONS

### System
- **Free Field Freq Response (-3 dB)**: 77Hz - 18kHz
- **Free Field Freq Response (-6 dB)**: 58Hz - 20kHz
- **Free Field Freq Response (-10 dB)**: 44Hz - 20kHz
- **Crossover Frequencies**: 1700Hz (LF), 2000Hz (HF1), 1700Hz (HF2)
- **Hor. Coverage (-6dB)**: 105 degrees @ 1kHz
- **Vert. Coverage (-6dB)**: Asymmetrical, +40, -45 degrees @1kHz, Nominal Axis: -12 degrees

### Electrical
- **Passive Rated Impedance**: 8Ω
- **HF Rated Impedance**: 8Ω
- **LF Rated Impedance**: 8Ω
- **Minimum Impedance**: 7Ω @ 167Hz
- **Power Handling (2Hr AES Rating)**: 300W
- **Power Handling (100Hr AES Rating)**: 150W

### Free Field Sensitivity
- **LF Sensitivity, ref 2.83V**: 100 dB SPL 1W, 1m
- **HF Sensitivity, ref 2.83V**: 105 dB SPL 1W, 1m
- **Passive Sensitivity**: 100 dB SPL 1W, 1m
- **Calculated Max SPL**: 125 dB

### Furthest Seat
- **Meters**: 15
- **Feet**: 49.20
- **HF Driver**: 2409J-2 x 2
- **LF Driver**: M115-A x 1

### Physical
- **Unit Weight (lbs)**: 100
- **Unit Weight (kg)**: 45.36

### Dimensions: Inches (cm)

- **12 [30.48]**
- **33.75 [85.73]**
- **31 [78.74]**
SPECIFICATIONS

System

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Free Field Freq. Response (-3 dB)</td>
<td>62Hz - 20kHz</td>
</tr>
<tr>
<td>Free Field Freq. Response (-6 dB)</td>
<td>50Hz - 20kHz</td>
</tr>
<tr>
<td>Free Field Freq. Response (-10 dB)</td>
<td>42Hz - 20kHz</td>
</tr>
<tr>
<td>Hor. Coverage (-6dB)</td>
<td>130 degrees @1kHz</td>
</tr>
<tr>
<td>Vert. Coverage (-6dB)</td>
<td>Asymmetrical, +35, -45, -15 Nominal Axis @4kHz</td>
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</table>

Electrical

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Passive Rated Impedance</td>
<td>4Ω</td>
</tr>
<tr>
<td>HF Rated Impedance</td>
<td>8Ω</td>
</tr>
<tr>
<td>LF Rated Impedance</td>
<td>4Ω</td>
</tr>
<tr>
<td>Minimum Impedance</td>
<td>3.2Ω @ 140Hz</td>
</tr>
<tr>
<td>Power Handling (2Hr AES Rating)</td>
<td>600W (45.5V)</td>
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<tr>
<td>Power Handling (100Hr AES Rating)</td>
<td>300W (35V)</td>
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</table>

Free Field Sensitivity

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF Sensitivity ref 2.83V</td>
<td>103 dB SPL 1W, 1m</td>
</tr>
<tr>
<td>HF Sensitivity ref 2.83V</td>
<td>105 dB SPL 1W, 1m</td>
</tr>
<tr>
<td>Passive Sensitivity ref 2.83V</td>
<td>103 dB SPL 1W, 1m</td>
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<tr>
<td>Calculated Max SPL</td>
<td>129 dB</td>
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Furthest Seat

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<tr>
<th>Specification</th>
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<tbody>
<tr>
<td>Meters</td>
<td>28.5</td>
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<tr>
<td>Feet</td>
<td>93</td>
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<tr>
<td>HF Driver</td>
<td>2409J-2 x 2</td>
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<tr>
<td>LF Driver</td>
<td>M115-8</td>
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Physical

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Top Weight</td>
<td>100 lbs (45.36 kg)</td>
</tr>
<tr>
<td>Bottom Weight</td>
<td>69 lbs (31.30 kg)</td>
</tr>
</tbody>
</table>

Note:
The C222 is ordered and shipped in two pieces. C222-TOP and C222-BOT.
SPECIFICATIONS

System

Free Field Freq. Response (-3 dB) 44Hz - 18kHz
Free Field Freq. Response (-6 dB) 40Hz - 20kHz
Free Field Freq. Response (-10 dB) 36Hz - 20kHz
Max Continuous SPL 135dB
Hor. Coverage (-6dB) 100 deg. @ 4kHz
Vert. Coverage (-6dB) Asymmetrical 60° (+25, -45 @ 4kHz)

Electrical

LF Nominal Impedance 4Ω
HF Nominal Impedance 8Ω
LF Minimum Impedance 3.15Ω @ 140Hz
HF Minimum Impedance 3.89Ω @ 9kHz
LF Power Handling (2Hr AES Rating) 1200W
LF Power Rating (100Hr AES Rating) 720W
HF Power Handling (2Hr AES Rating) 85W
HF Power Rating (100Hr AES Rating) 51W

Free Field Sensitivity

LF Sensitivity ref 2.83V 103 dB SPL 1W, 1m
HF Sensitivity ref 2.83V 112 dB SPL 1W, 1m

Transducers

Low Frequency 2 x 2275H-BK
High Frequency 2 x 2515XP-J

Furthest Seat

Meters 35
Feet 115

Physical

Dimensions (H x W x D) - Inches 59 x 33.75 x 14
Dimensions (H x W x D) - CM 149.8 x 85.75 x 35.56
Input Connectors Screw Terminal Barrier Strip
Total Weight 220lbs (99.79 kg)

Note:
The C222HP is ordered and shipped in two pieces: C222HP-TOP and C222HP-BOT.