200 SERIES

CINEMA SCREENARRAY LOUDSPEAKER SYSTEM

JBL PROFESSIONAL

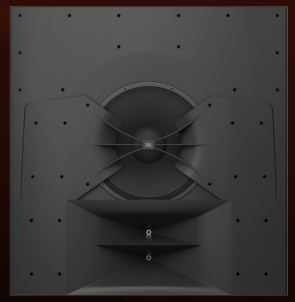
200 SERIES FAMILY

MAKE EVERY SEAT THE BEST SEAT IN THE HOUSE

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.

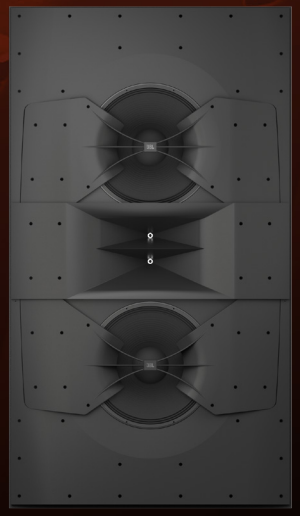
C211

13.5m (44.2')



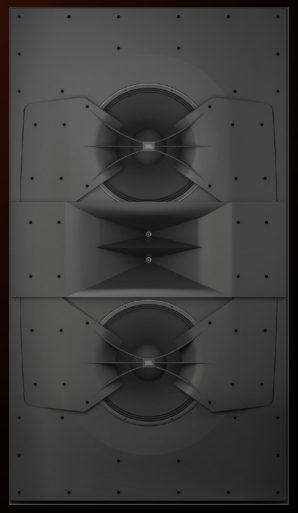
C221

15m (49.2')



C222

28.5m (93')



C222HP

35m (115')

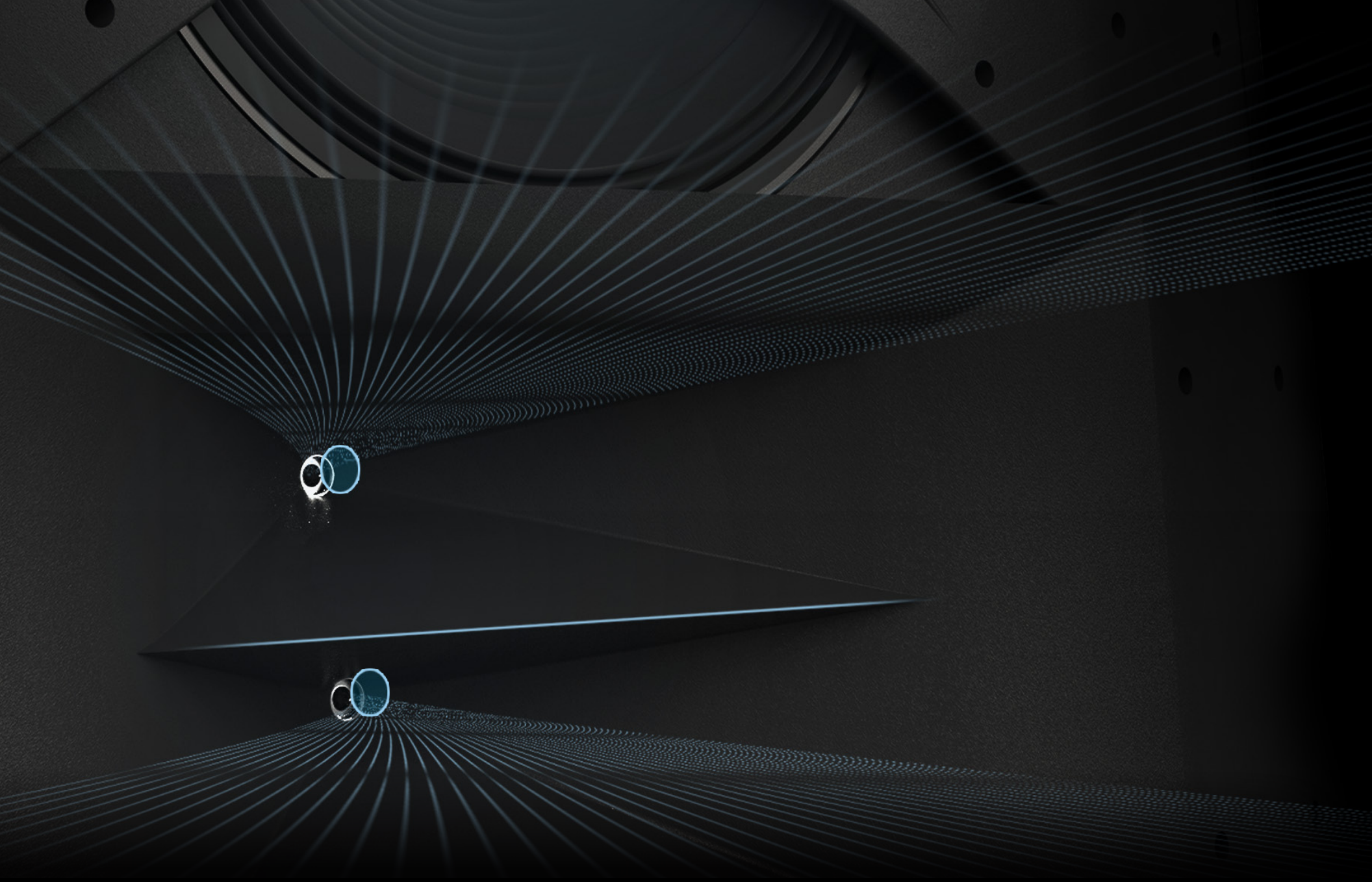
MAXIMUM THROW

200 SERIES

SCREENARRAY LOUDSPEAKER

FEATURES

- 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



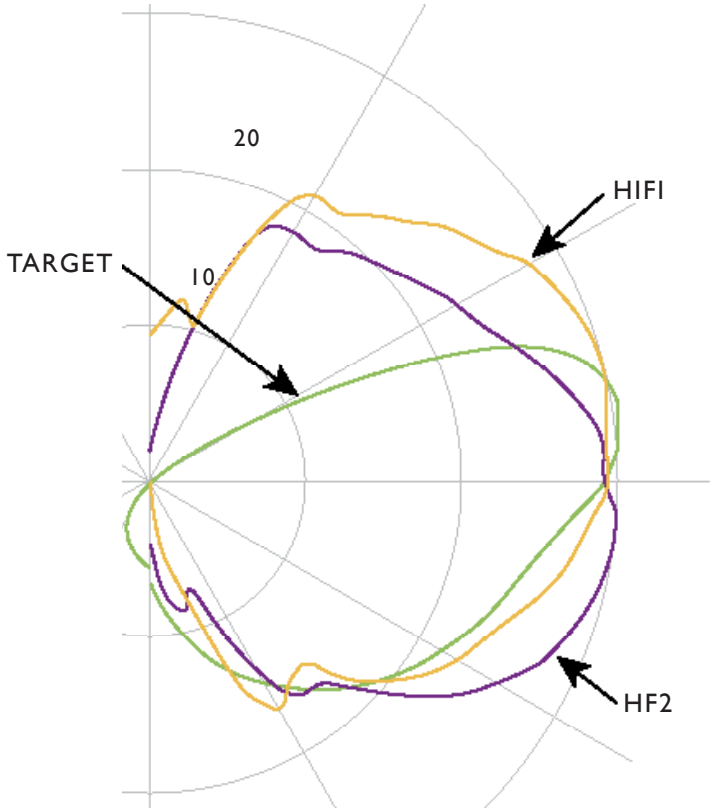
DUAL DISSIMILAR ARRAY

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.

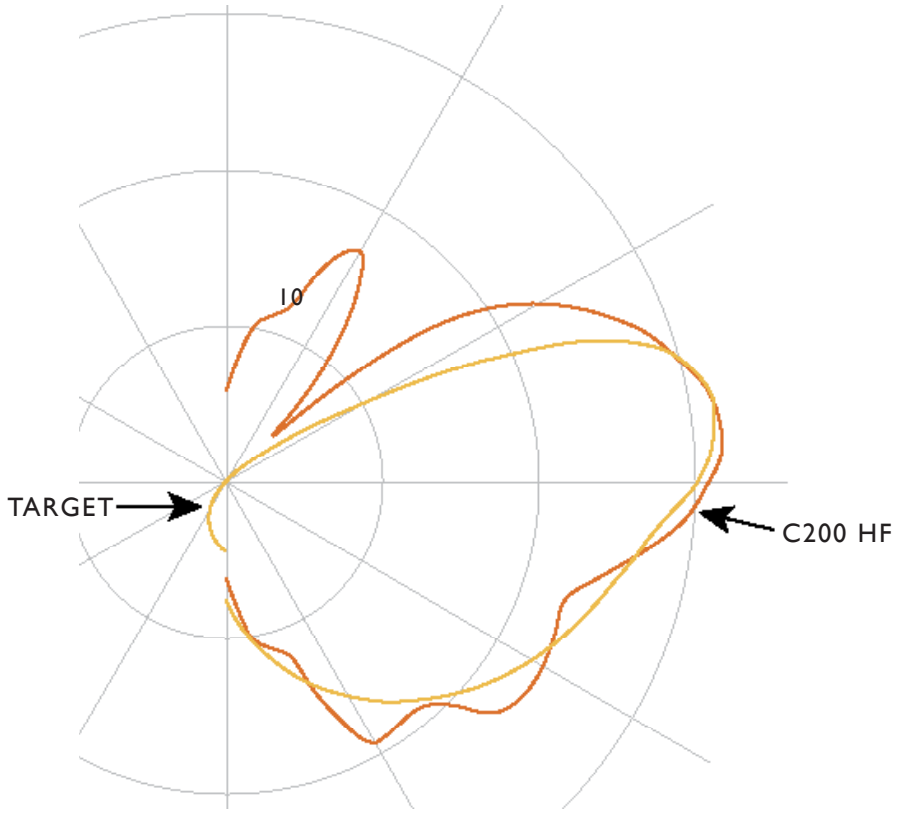
DUAL DISSIMILAR ARRAY

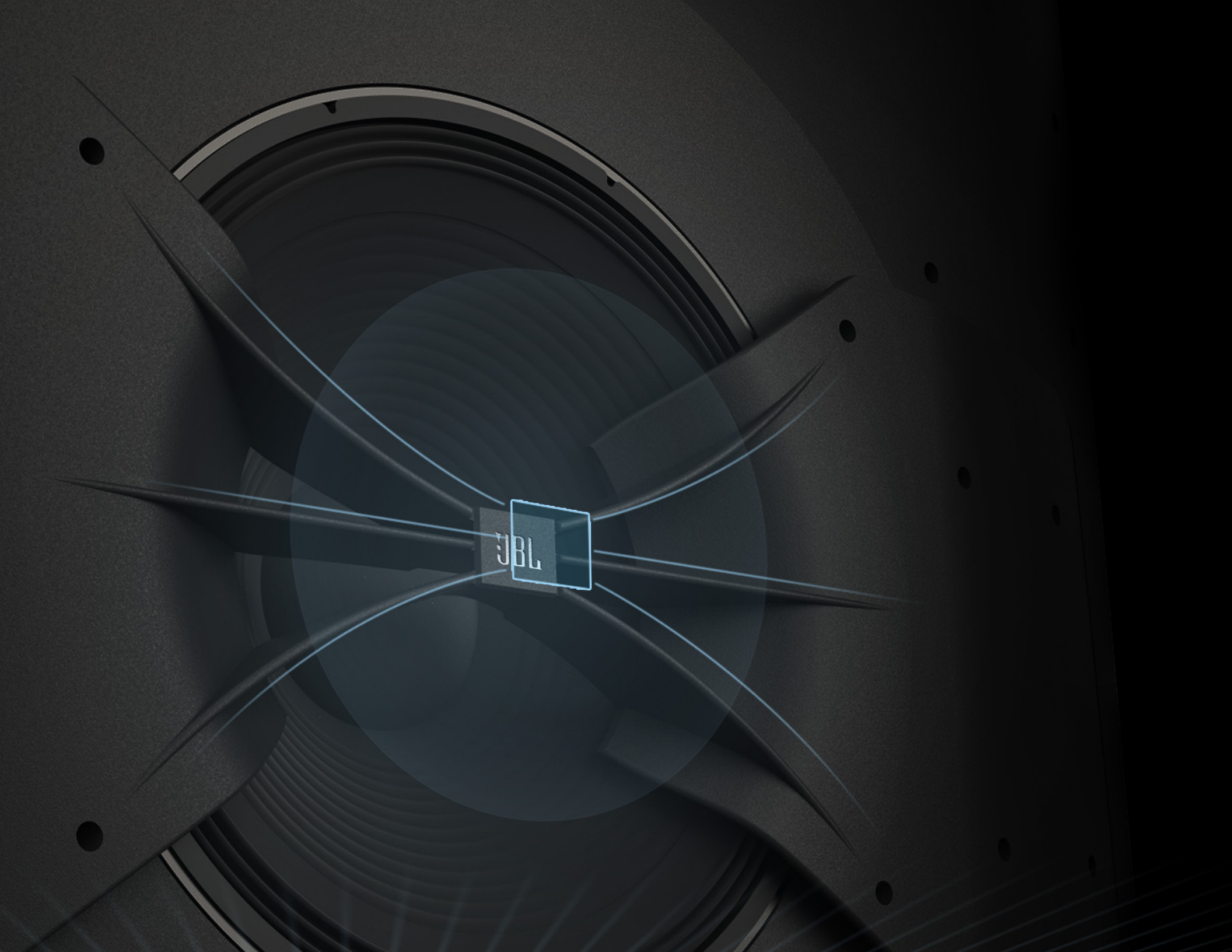
INDIVIDUALS



DUAL DISSIMILAR ARRAY

ARRAYED




JBL

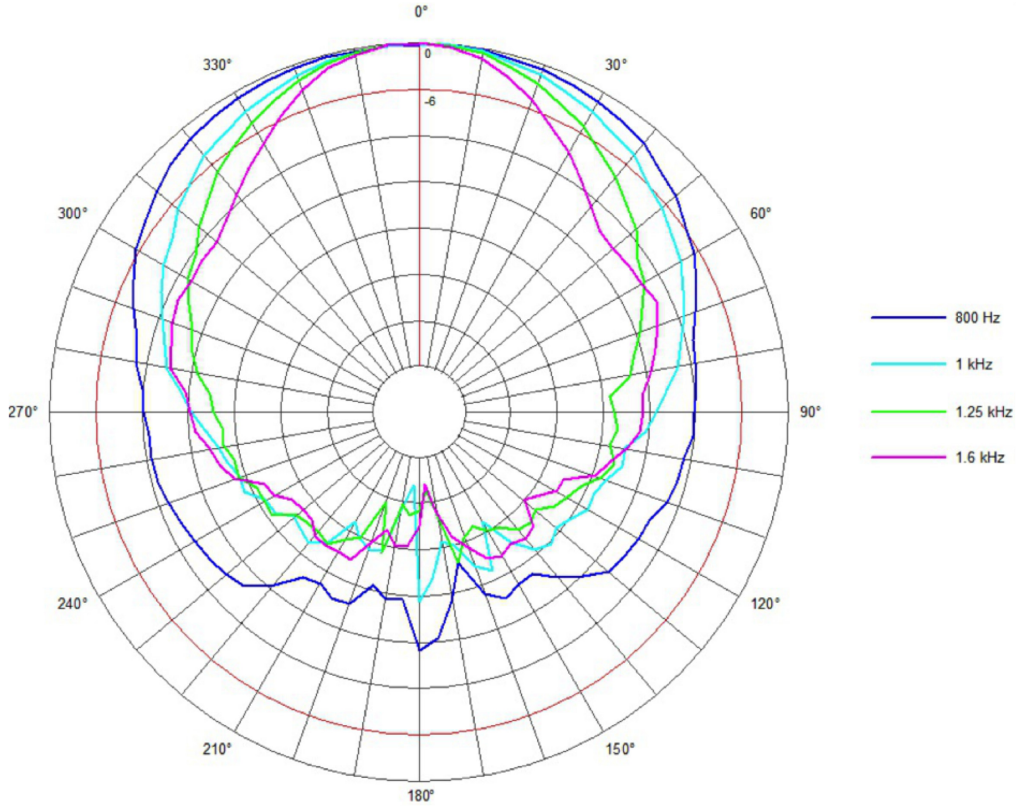
ACOUSTIC APERTURE

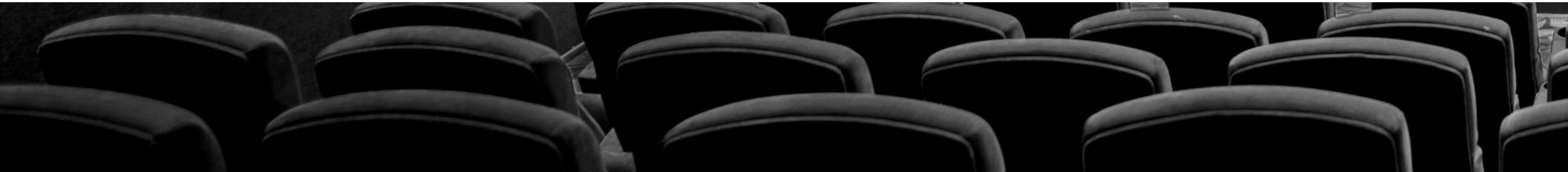
Clarity and Coverage at the Crossover

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

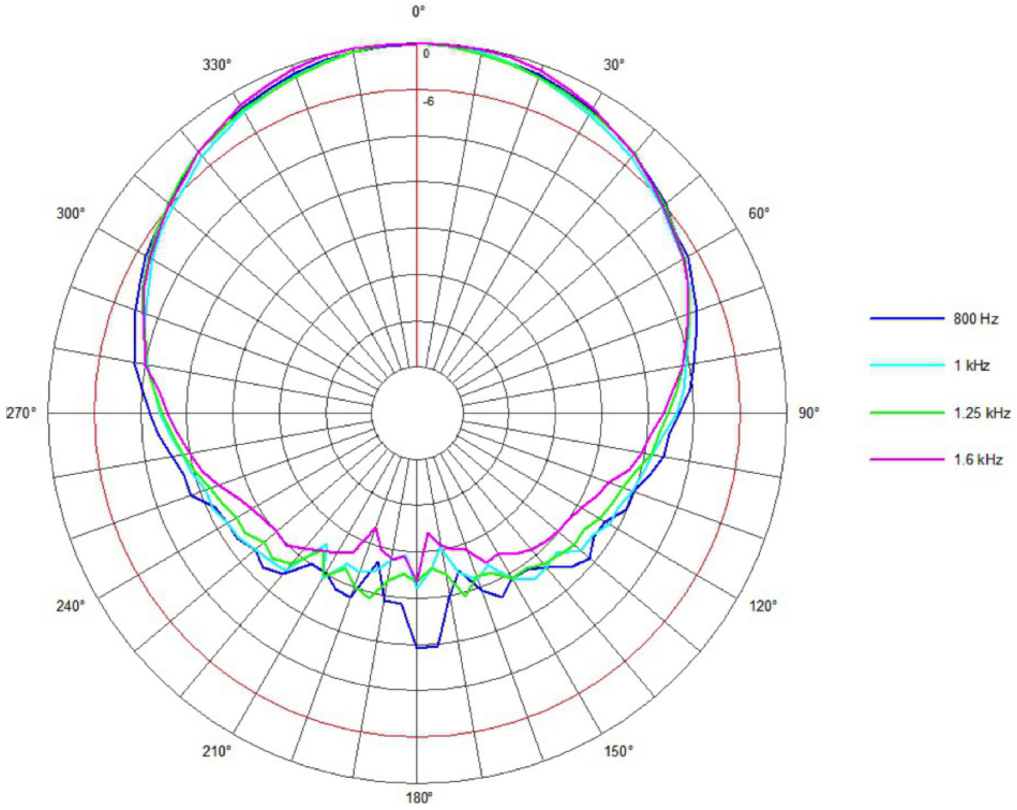
WITHOUT APERTURE

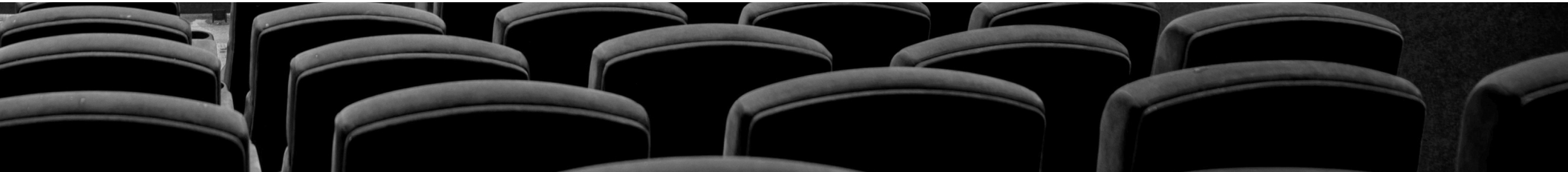




ACOUSTIC APERTURE

WITH APERTURE



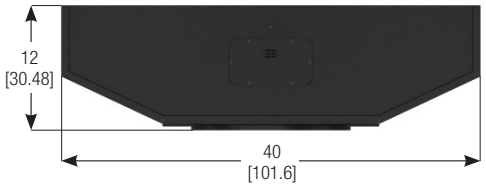


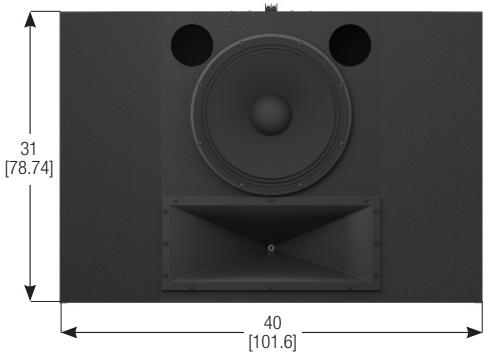
C211

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)	300W
Power Handling (100Hr AES Rating)	175W
Free Field Sensitivity	
Passive Sensitivity ref 2.83V	99 dB SPL @ 1w, 1m
Calculated Max SPL	125 dB

Furthest Seat	
Meters	13.5
Feet	44.28
HF Driver	2409H-2 x 1
LF Driver	M115-8A x 1
Physical	
Weight	79 lbs (35.8265 kg)





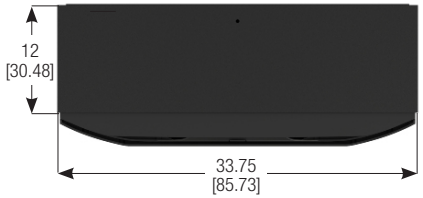
Dimensions: Inches [cm]

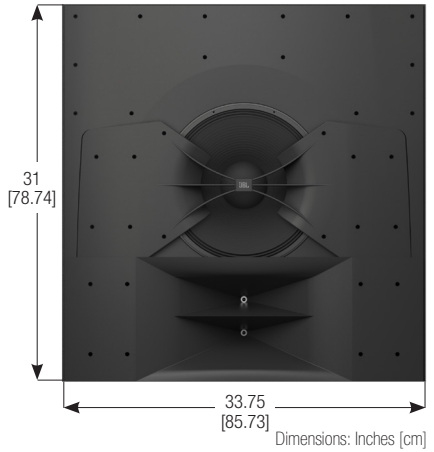
C221

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 W, 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]

C222

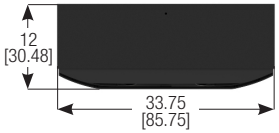
SPECIFICATIONS

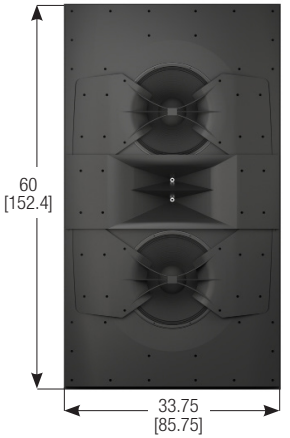
System	
Free Field Freq.Response (-3 dB)	62Hz - 20kHz
Free Field Freq.Response (-6 dB)	50Hz - 20kHz
Free Field Freq.Response (-10 dB)	42Hz - 20kHz
Hor. Coverage (-6dB)	130 degrees @1kHz
Vert. Coverage (-6dB)	Asymmetrical, +35, -45, -15 Nominal Axis @4kHz
Electrical	
Passive Rated Impedance	4Ω
HF Rated Impedance	8Ω
LF Rated Impedance	4Ω
Minimum Impedance	3.2Ω @ 140Hz
Power Handling (2Hr AES Rating)	600W (45.5V)
Power Handling (100Hr AES Rating)	300W (35V)
Free Field Sensitivity	
LF Sensitivity ref 2.83V	103 dB SPL 1W, 1m
HF Sensitivity ref 2.83V	105 dB SPL 1W, 1m
Passive Sensitivity ref 2.83V	103 dB SPL 1W, 1m
Calculated Max SPL	129 dB

Furthest Seat	
Meters	28.5
Feet	93
HF Driver	2409J-2 x 2
LF Driver	M115-8
Physical	
Top Weight	100 lbs (45.36 kg)
Bottom Weight	69 lbs (31.30 kg)

Note:

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





Dimensions: Inches [cm]

C222HP

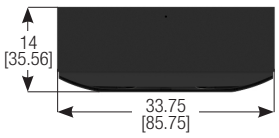
SPECIFICATIONS

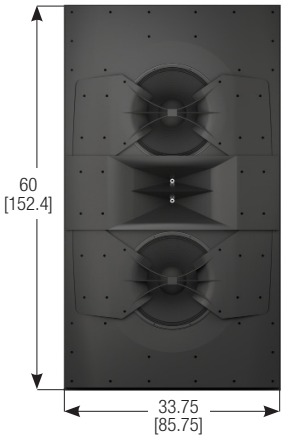
System	
Free Field Freq. Response (-3 dB)	44Hz - 18kHz
Free Field Freq. Response (-6 dB)	40Hz - 20kHz
Free Field Freq. Response (-10 dB)	36Hz - 20kHz
Max Continuous SPL	135dB
Hor. Coverage (-6dB)	100 deg. @ 4kHz
Vert. Coverage (-6dB)	Asymetrical 60^0 (+25, -45 @ 4kHz)
Electrical	
LF Nominal Impedance	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 85.73 x 35.56
Input Connectors	Screw Terminal Barrier Strip
Total Weight	220lbs (99.79 kg)

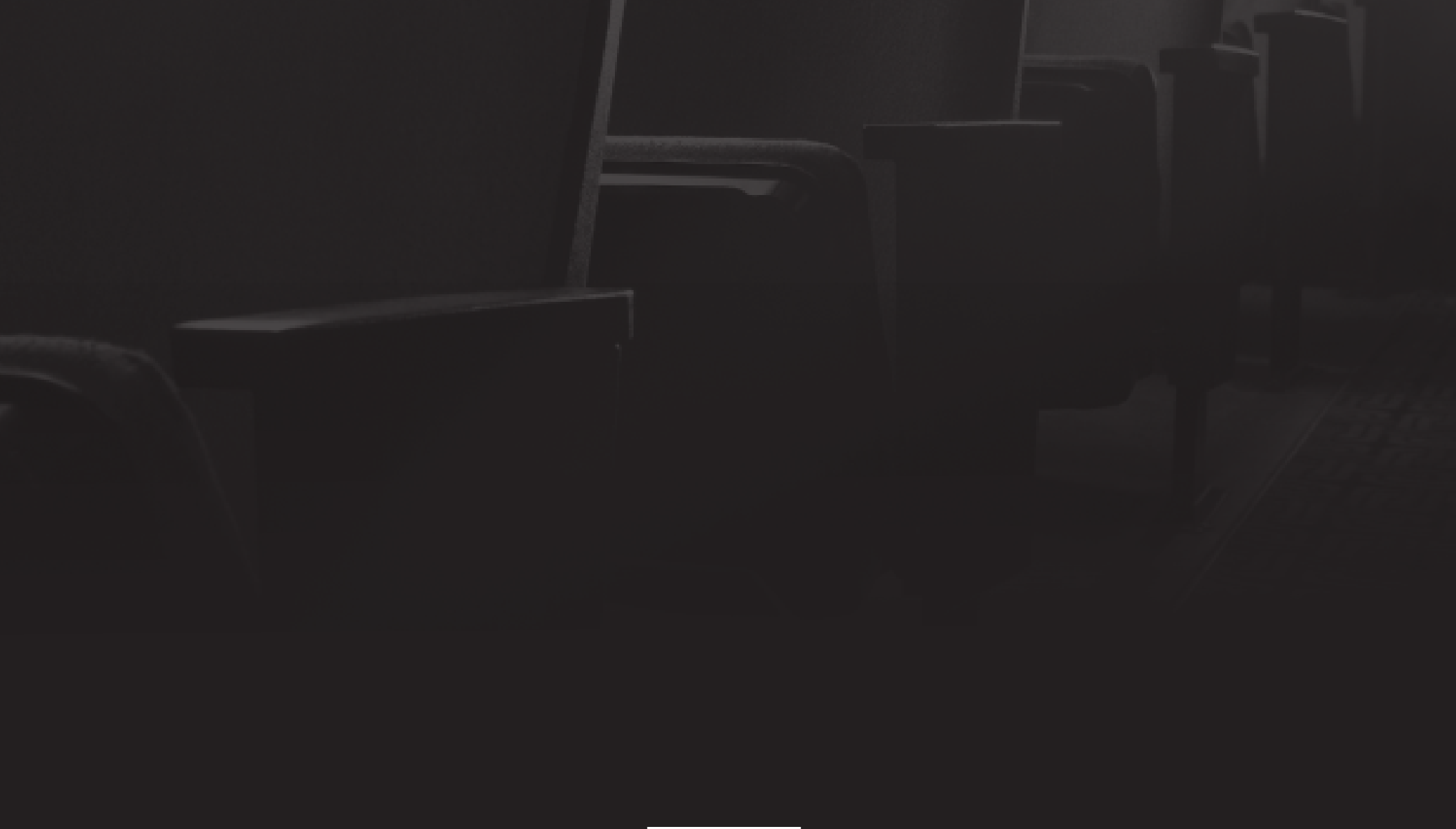
Note:

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





Dimensions: Inches [cm]



PROFESSIONAL

jblpro.com