SUPERIOR LISTENING SYSTEMS
AUDIO CLARITY REDEFINED

Product Technical Data Sheet

Model CS300E

Description

The CS300E is a mid/high cinema loudspeaker. Its primary application is for use as a companion to the CS-B215 Mid-Bass enclosure in medium to large theaters.

The CS300E high frequency section features a high performance PRD1000 planar ribbon transducer designed and manufactured by SLS Loudspeakers. The unique design and properties of the planar ribbon driver allows for a very clear delivery and transient accuracy even at the limits of its performance.

The midrange section uses a single 12" driver. The driver features a neo-dynmium magnet structure and high-temperature edge-wound voice coil.

The passive crossover network includes audiophile grade air core inductors and polypropolene capacitors.

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Key Features:

- PRD1000 ribbon high frequency line driver delivers unsurpassed sound quality
- Open and clear sound at high SPL due to advanced transducer technology in all bandwidth sections
- 90 x 40 degree dispersion pattern (not including screen scattering)
- ¾" 13 ply Baltic Birch cabinet construction
- Included U-Bracket for easy installation and aiming

Product Specifications	
Operating Range	350Hz - 30,000Hz
Sensitivity (1W/1M)[1]	97dB
Horizontal Coverage Angle -6dB[2]	80 Degrees
Vertical Coverage Angle -6dB[2]	40 Degrees
Power Handling[3]	250W RMS (45 Volts) AES/2
Max SPL (calculated) 1 Meter	121dB Cont. / 127dB Peak
Recommended Amp Power for Max Output	500 Watts @ 8 ohms
Nominal Impedance	8 Ohms
Crossover Frequency	Passive
Transducers - Low Freq.	12" Neo Midrange
High Freq.	PRD1000 Ribbon
Input	5-Way Binding Posts
Dimensions	26.5" (67.3cm) H 14.125" (35.9cm) W 10" (25.4cm) D
Enclosure	13ply Baltic Birch
Weight	44lbs (19.96kg) Shipping 60lbs (27.2kg)
Rigging	U-Bracket for attachment to CS-B215
Finish	Flat Black Latex

Applications

Developed for high performance cinema applications where the highest quality and intelligibility of sound is required

- Behind Screen LCR

1. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in an anechoic environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.
2. Averaged from 500Hz to 8kHz
3. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard.

1650 W. Jackson Ozark, MO 65721 (417) 883-4549

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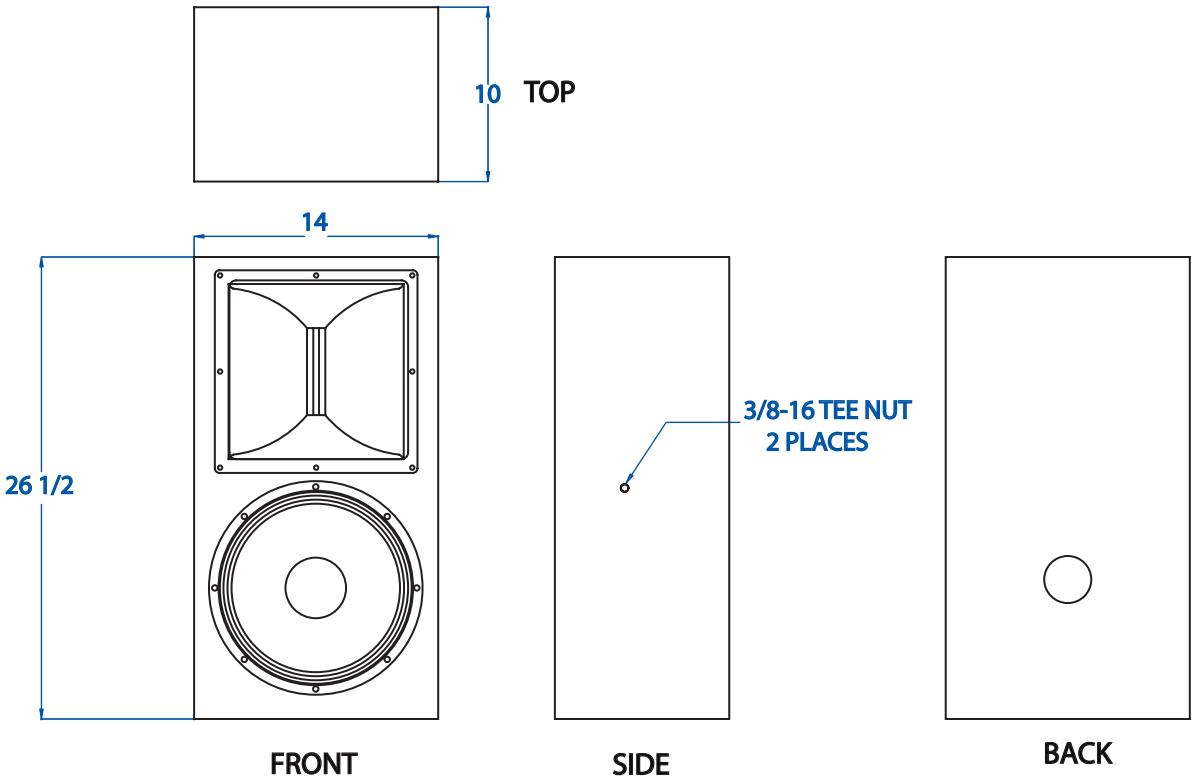
CS300E Drawings



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