JBL SYNTHESIS

SCL-10

SPECIFICATION SHEET

2-way Dual 6 ½-inch Built-In Loudspeaker

The SCL-10 is a custom in-room/built-in loudspeaker designed to be either an LCR behind a projection screen or an in-room loudspeaker inside custom cabinetry, either vertically or horizontally.

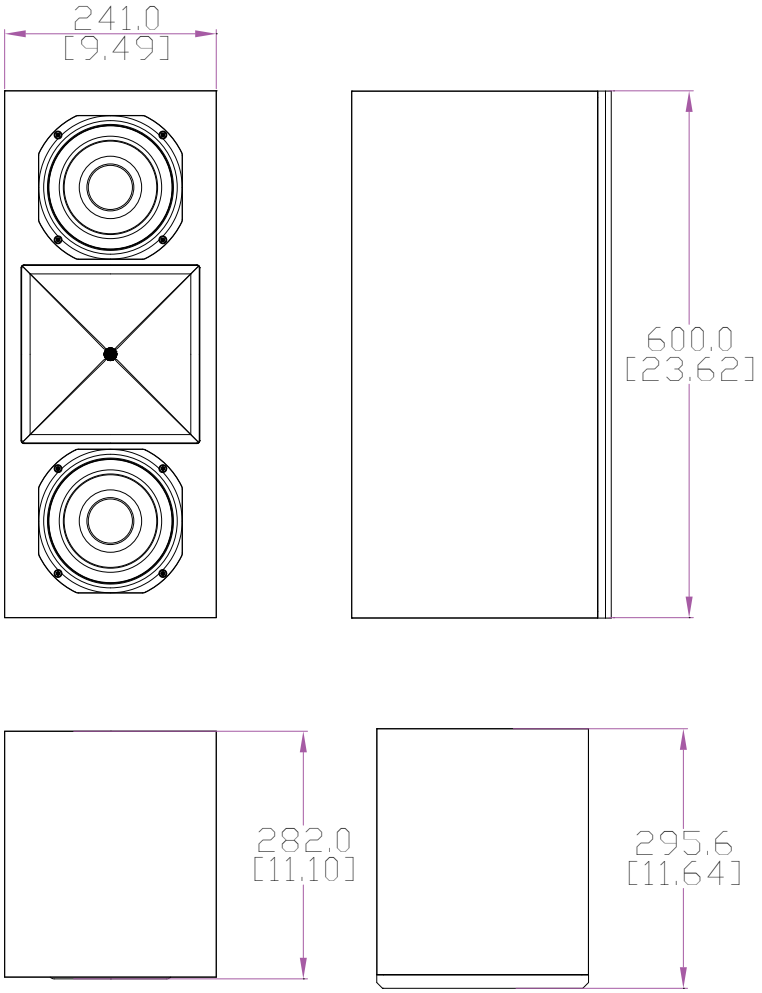
It features JBL's patented 2409 1-inch (25mm) compression driver mated to a High-Definition Imaging (HDI™) horn. Dual 6½-inch (165mm) Advanced Aluminum Matrix cone cast-frame woofers operate in a 2 -way network configuration allowing for installation vertically or horizontally without lobing or other acoustic issues found in traditional designs.

The SCL-10 delivers extraordinary performance in a wide variety of applications and is ideal for use in medium and large-sized rooms.

Features

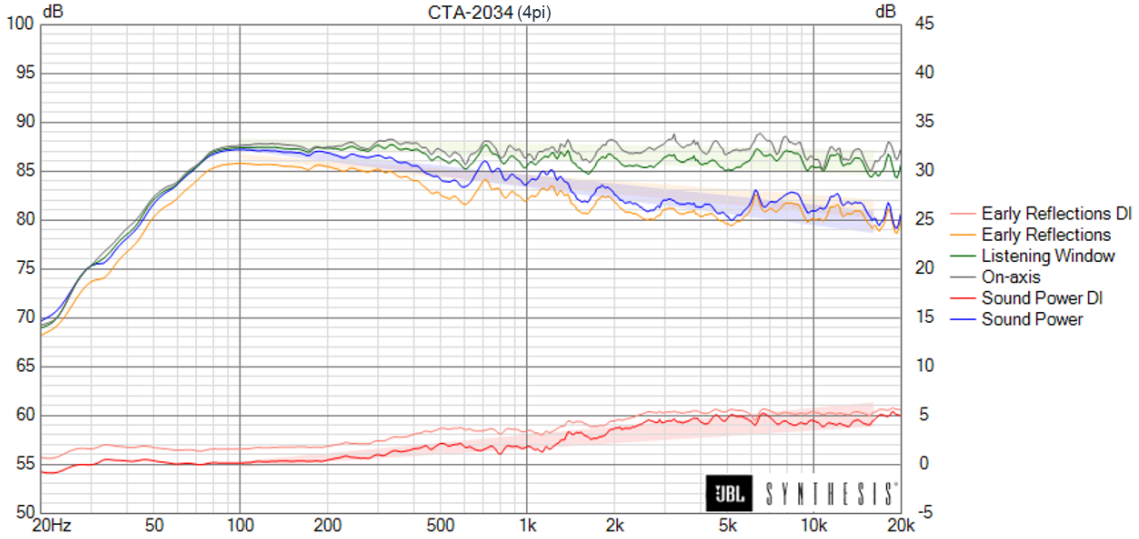
- **Patented JBL 2409H 1-inch (25mm) HF compression driver**
- **Patented High-Definition Imaging (HDI™) horn geometry**
- **Dual 6½-inch (165mm) Advanced Aluminum Matrix cone, cast-frame woofers**
- **Advanced crossover network with bi-wire/bi-amp capability**
- **Dual set of gold-plated spring-loaded binding post input terminals**
- **Magnetically attachable cloth grille**
- **Satin black ash wood veneer finish**

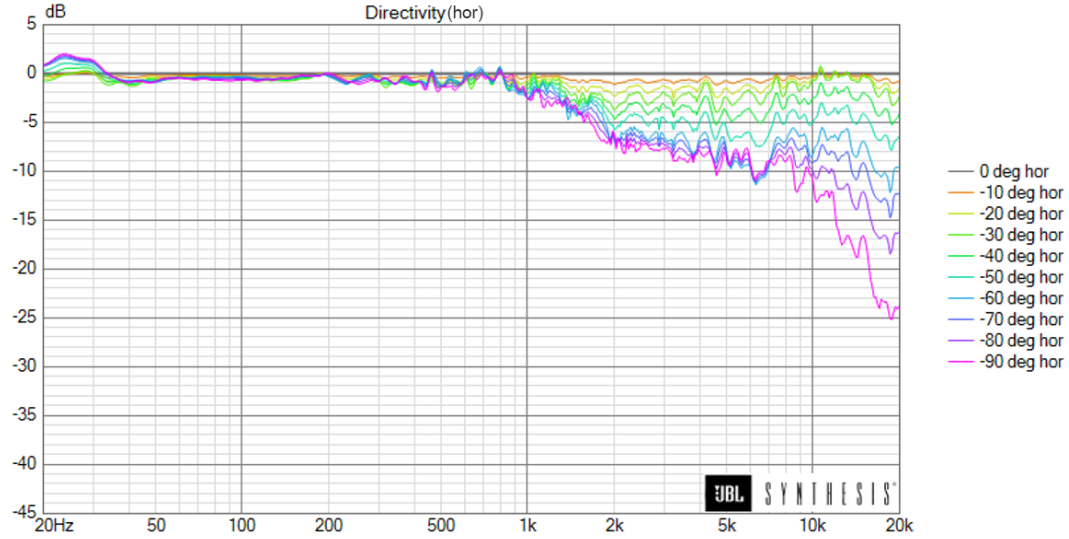
General Specifications	
Type:	2-way built-in loudspeaker
Low Frequency Driver:	Dual 6 ½ -inch (165mm) cast-frame, Advanced Aluminum Matrix cone woofers
High Frequency Driver:	2409H 1-inch (25mm) high frequency compression driver
Inputs:	Dual sets of gold-plated binding posts for bi-amp/bi-wire capability (crossover not defeated)
Audio Specifications	
Power Handling:	200W RMS (CEA-426B specification, at rated load impedance)*
Sound Level Capability, Mid Term:	AES75 M-noise method, 115dB RMS @ 1m, 120dB peak @ 1m, 4pi anechoic, 80Hz-20kHz bandwidth limited stimulus
Frequency Response:	53Hz – 20kHz (-6dB)
Coverage Angle (-6dB):	100° Horizontal, 80° Vertical, averaged over 2kHz-10kHz
Sensitivity (2.83V@1m):	88dB
Impedance:	4Ω nominal, 4.0Ω minimum @ 197Hz
Crossover Frequencies:	2.1kHz
Physical Specifications	
Finished Dimensions with Grille (H X W X D):	23.6” x 9.5” x 11.6” (600mm x 241mm x 296mm)
Product Weight:	38.6lbs (17.5)
Shipping Weight:	48.3lbs (21.9kg)
Enclosure type:	Sealed
Finish:	Black ash wood veneer with magnetically attachable cloth grille

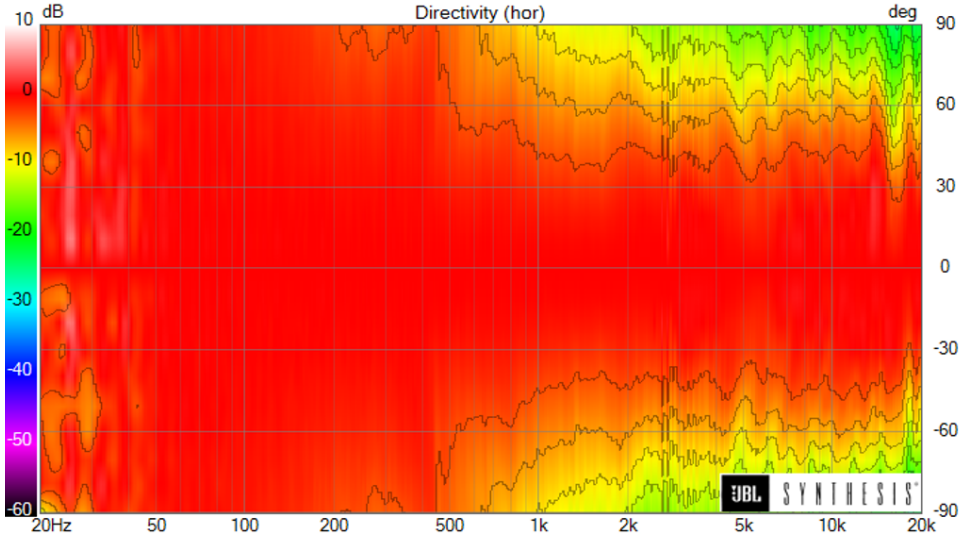


CTA-2034 (Spinorama) and Directivity Measurements

Measured in anechoic conditions. Measurements shown represent system performance using manufacturer-recommended anechoic equalization (AEQ). Equalization is implemented via JBL Synthesis SMA-series amplifiers as part of a complete system solution. Raw loudspeaker measurements available upon request.







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