JBL SYNTHESIS

SCL-10XL

SPECIFICATION SHEET

2-way Dual 10-inch Built-In Loudspeaker

The SCL-10XL 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.

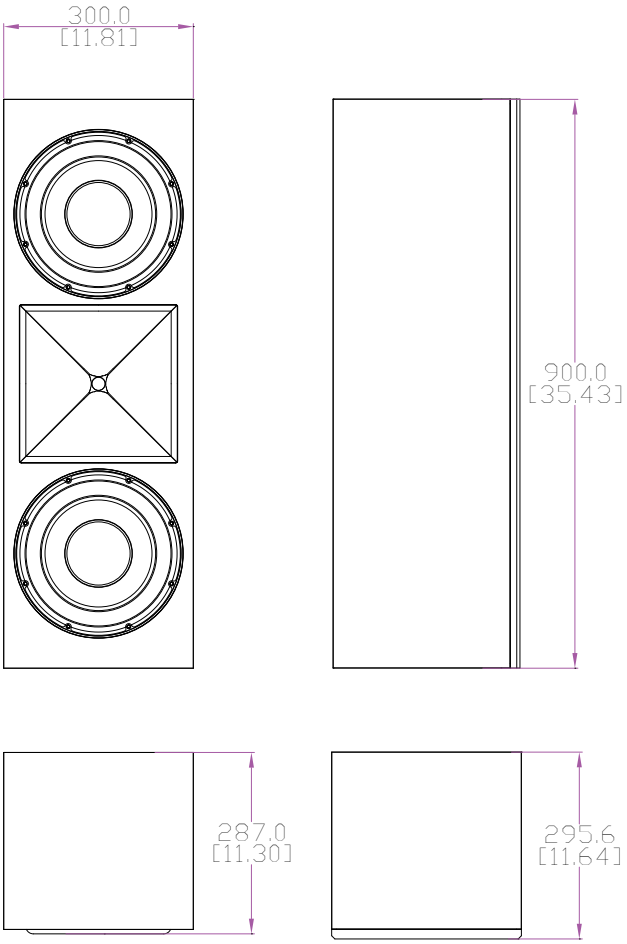
It features JBL's patented D2815K 1½-inch (38mm) compression driver mated to a High-Definition Imaging (HDI™) horn. Dual 10-inch (250mm) Carbon Cellulose Composite Cone (C4) cast-frame woofers operate in a 2-way network configuration allowing for installation vertically or horizontally without lobing or other acoustic issues found in traditional designs.

The SCL-10XL delivers unparalleled performance in a wide variety of applications and is ideal for use in medium, large, and extra-large rooms.

Features

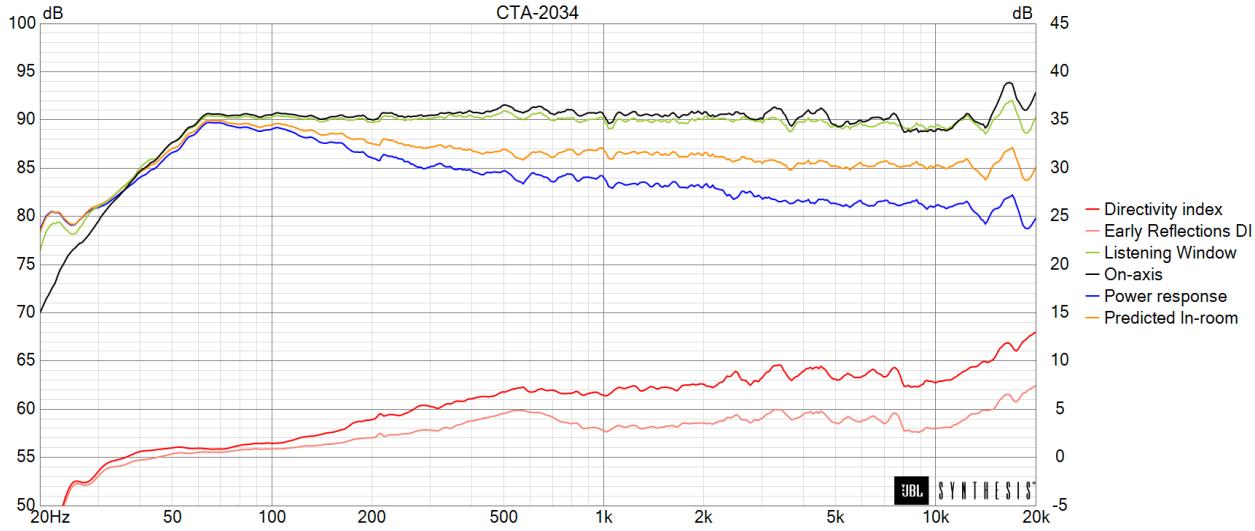
- **Patented D2815 1 ½-inch (38mm) dual diaphragm, dual motor compression driver**
- **Patented High-Definition Imaging (HDI™) horn geometry**
- **Dual 10-inch (250mm) Carbon Cellulose Composite Cone (C4), cast-frame woofers**
- **Advanced MultiCap crossover network with bi-wire/bi-amp capability**
- **Dual set of gold-plated spring-loaded binding post input terminals**
- **Magnetically attachable cloth grille**
- **Satin black ash wood veneer finish**

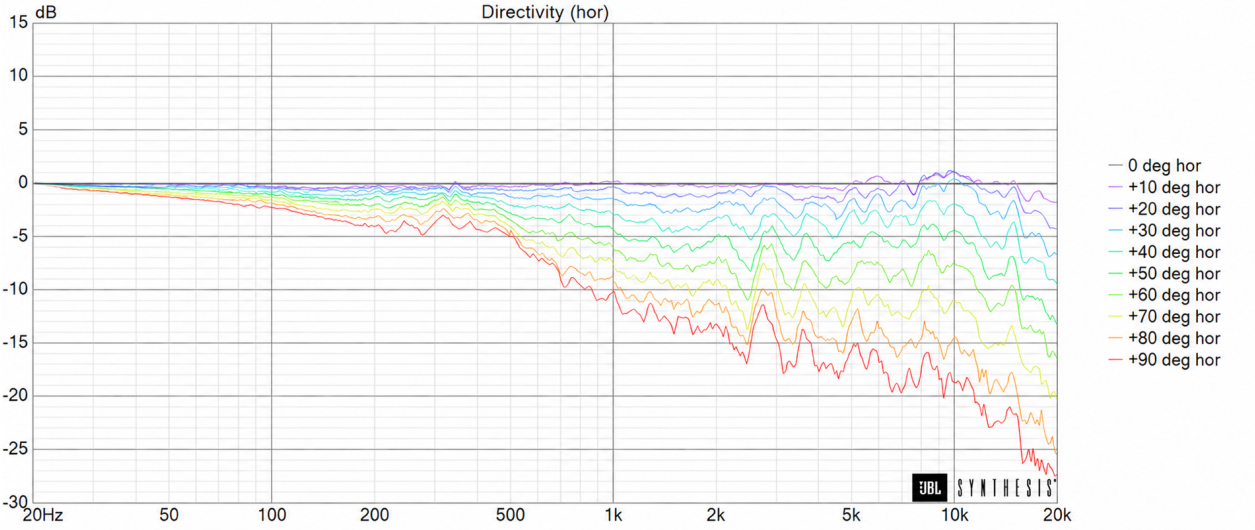
General Specifications	
Type:	2-way built-in loudspeaker
Low Frequency Driver:	Dual 10-inch (250mm) Carbon Cellulose Composite Cone (C4) cast-frame woofers
High Frequency Driver:	D2815, 1.5-inch (38mm), dual annular ring Teonex® diaphragm compression driver with dual neodymium motor structure mated to an HDI™ horn
Inputs:	Dual sets of gold-plated binding posts for bi-amp/bi-wire capability (crossover not defeated)
Audio Specifications	
Power Handling:	300 Watts RMS (CEA-426B specification, at rated load impedance)
Sound Level Capability, Mid Term:	AES75 M-noise method, 106dB RMS @ 1m, 122dB peak @ 1m, 4pi anechoic, 80Hz-20kHz bandwidth limited stimulus
Frequency Response:	41Hz – 20kHz (-6dB)
Coverage Angle (-6dB):	100° Horizontal, 100° Vertical, averaged over 2kHz-10kHz
Sensitivity (2.83V@1m):	90dB
Impedance:	4Ω nominal, 3.8Ω minimum 115@ Hz
Crossover Frequencies:	815Hz
Physical Specifications	
Finished Dimensions with Grille (H x W x D):	35.4” x 11.8” x 11.6” (900mm x 300mm x 296mm)
Product Weight:	73.4lbs (33.3kg)
Shipping Weight:	84.4lbs (38.3kg)
Enclosure type:	Sealed
Finish:	Black ash wood veneer with magnetically attachable cloth grille

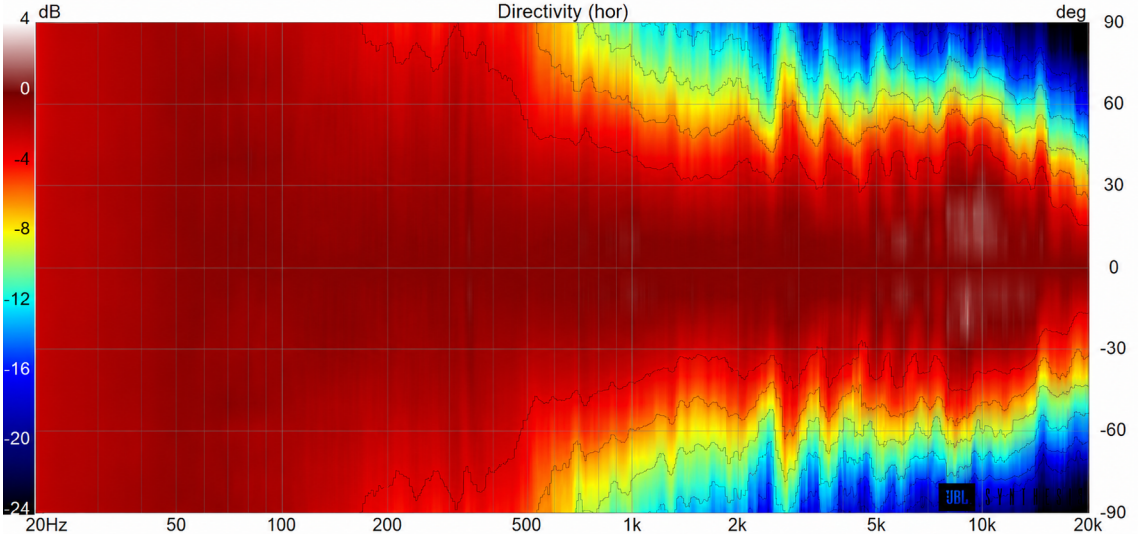


CTA-2034 (Spinorama) and Directivity Measurements

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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