



A Garmin Brand

Custom Home Theater Subwoofers

JL AUDIO. | How we play.®



A Garmin Brand



CTS-113-MD900-13TW5H
Type: Single - 9" Deep Enclosure
Driver: (1) 13TW5H
Dimensions: 14" W x 30.69" H x 9" D
Net Box Volume: 1.186 ft³
Net Box Weight: 51.6 lbs (23.41 kg)
Finish: Black Texture-coated



CTS-113-SD1400-13TW5H
Type: Single - 14" Deep Enclosure
Driver: (1) 13TW5H
Dimensions: 14" W x 19.56" H x 14" D
Net Box Volume: 1.185 ft³
Net Box Weight: 46.5 lbs (21.09 kg)
Finish: Black Texture-coated



CTS-113-ST575-13TW5H
Type: Single - 5.75" Deep Enclosure
Driver: (1) 13TW5H
Dimensions: 23.94" W x 23.94" H x 5.75" D
Net Box Volume: 0.827 ft³
Net Box Weight: 54.3 lbs (24.63 kg)
Finish: Black Texture-coated



CTS-113-TT525-13TW5H
Type: Single - 5.25" Deep Enclosure
Driver: (1) 13TW5H
Dimensions: 14" W x 58.75" H x 5.25" D
Net Box Volume: 1.185 ft³
Net Box Weight: 61.6 lbs (27.94 kg)
Finish: Black Texture-coated



CTS-213-TD900-13TW5H
Type: Double - 9" Deep Enclosure
Driver: (2) 13TW5H
Dimensions: 14" W x 59.20" H x 9" D
Net Box Volume: 2.367 ft³
Net Box Weight: 94.1 lbs (42.68 kg)
Finish: Black Texture-coated

FATHOM® CTS

CUSTOM HOME THEATER SUBWOOFERS

Born from the JL Audio revolutionary Fathom® in-wall subwoofer system, CTS home theater subwoofers are designed to deliver uncompromised bass performance for virtually any custom-integrated application.

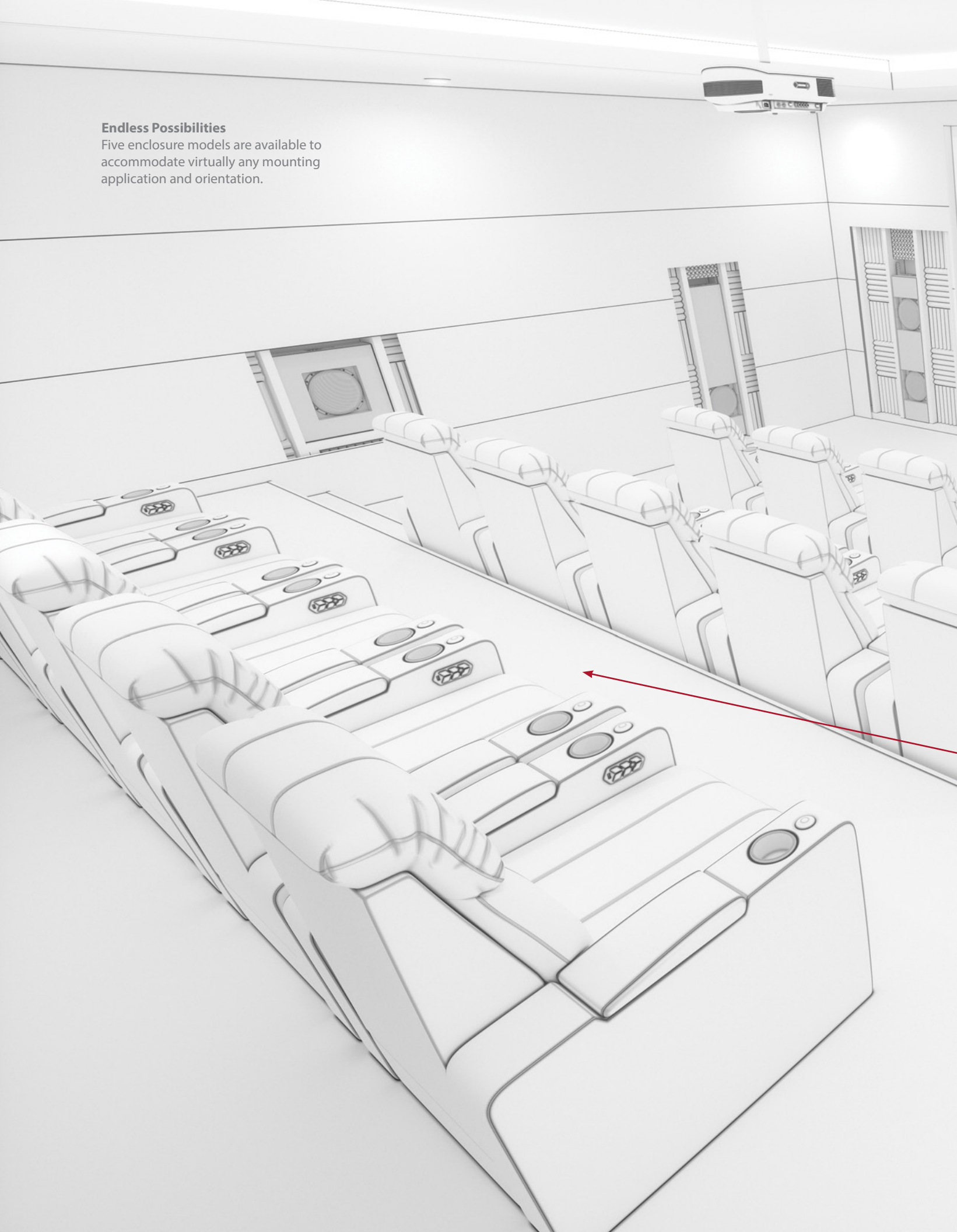
Centered on a groundbreaking, 13.5" thin-line driver, all CTS enclosures are critically constructed with extensive internal bracing aimed at improving rigidity, while keeping a low profile and minimal wall thickness. Offered in five models, each sealed enclosure features medium-density fiberboard (MDF) construction with reinforced areas to facilitate direct-to-frame mounting.

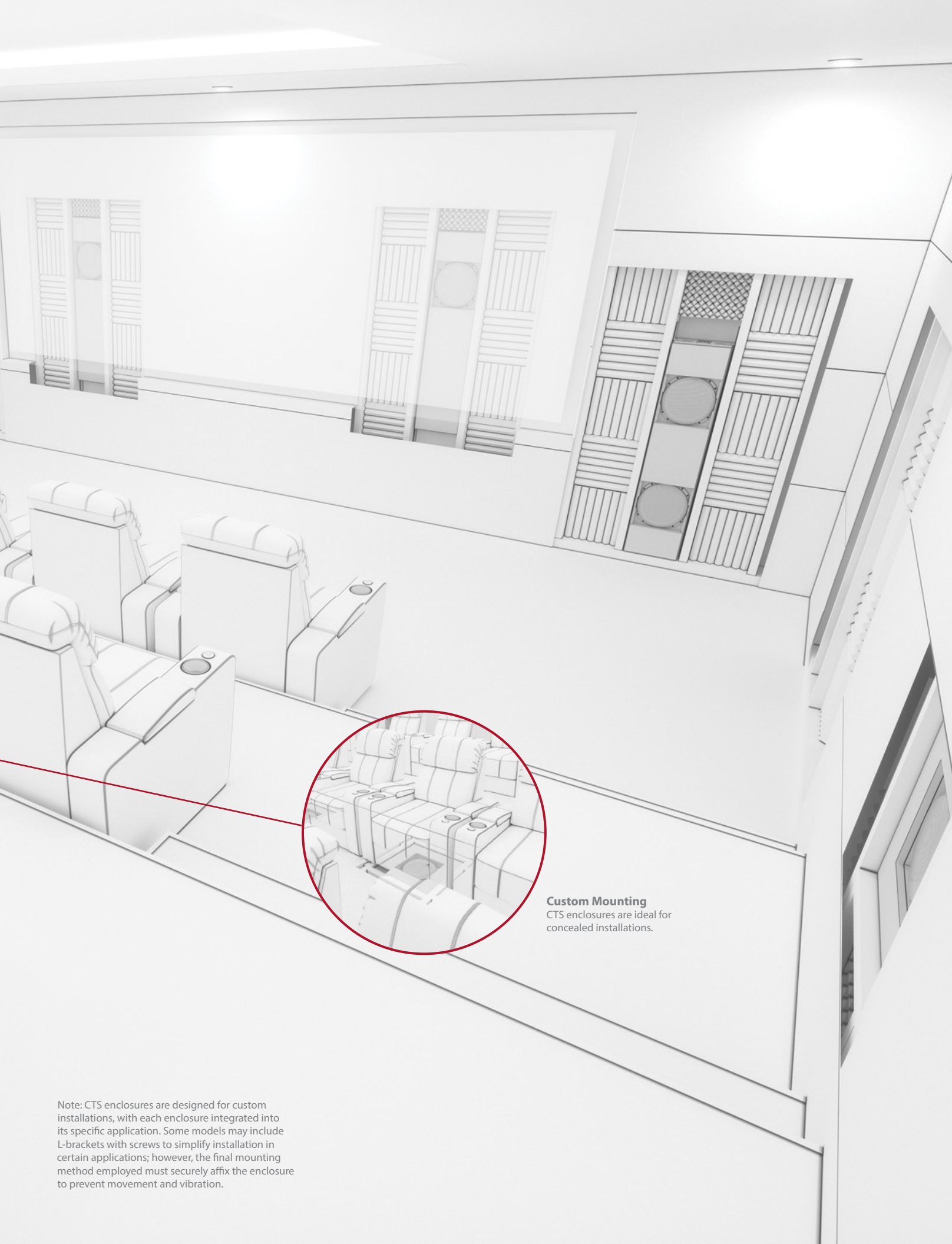
Each CTS system is driven by a rack-mountable, purpose-tuned amplifier capable of delivering up to 2 kW of clean power. The powerful DSP engine is also on-hand, including our exclusive Digital Automatic Room Optimization (D.A.R.O.) system to ensure a smooth response, even in challenging rooms.

Fathom® CTS custom home theater subwoofers deliver stunning JL Audio bass performance and fidelity in the most demanding home theater or music system applications.

Endless Possibilities

Five enclosure models are available to accommodate virtually any mounting application and orientation.





Custom Mounting
CTS enclosures are ideal for
concealed installations.

Note: CTS enclosures are designed for custom installations, with each enclosure integrated into its specific application. Some models may include L-brackets with screws to simplify installation in certain applications; however, the final mounting method employed must securely affix the enclosure to prevent movement and vibration.



The remarkable 13TW5H driver is capable of outstanding cone excursion, with minimal overall depth. It is the key to our unbeatable Fathom® CTS systems.

Loudspeaker Technology

In every subwoofer design, the driver establishes the performance and is the primary factor in the resulting quality. Getting it wrong at this fundamental loudspeaker level means accepting distortion and non-linearities in the final product. We insist on getting the driver right and building everything else around it.

As a designer and builder of loudspeakers, JL Audio can center every home subwoofer project on a unique driver design — one that is precisely aimed at physical and performance goals.

We apply proprietary modeling systems to study loudspeaker motor, suspension and structural behaviors, and use the most advanced test systems in the industry to verify the results. These practices, and our decades of loudspeaker design experience, provide insights and breakthroughs that lead to world-class results.

Never reluctant to innovate or create new loudspeaker parts for a project, we find that investments leading to better performance and reliability are always well-spent. This position extends to the manufacturing of our home subwoofer drivers. We source the finest materials and components globally, but we build every loudspeaker in our state-of-the-art U.S. factory.

Our JL Audio driver technology and precision assembly together form a fundamental advantage you will not find in other subwoofers.

Electronics Technology

Essential Amplification

An inherent challenge in the design of a compact subwoofer system is that extremely high power is required to reproduce strong, deep bass from small enclosures. The driver needs to be able to handle the heat and excursion, and the amplifier must provide high levels of clean, controlled power. If either one falls short, you begin to hear distortion, and dynamics lose their realistic edge.

JL Audio launched its first switching Class-D amplifier design more than two decades ago, at a time when the technology was just emerging. Over the past 20 years, we have continually refined our amplifiers, applying unique solutions to the specific challenges of low-frequency performance.

Signal Processing

Signal processing plays several vital roles in a powered subwoofer, enabling user-adjustable features, providing room response optimization, and controlling the baseline performance of the subwoofer system.

Digital Automatic Room Optimization

In typical listening spaces, subwoofer and listener placement have a profound effect on the accuracy of low-frequency reproduction. We always recommend that you place your subwoofers in optimal locations, but we know real-world concerns can get in the way. In a home, subwoofer placement almost always involves a compromise between sonic performance, practicality, and aesthetics.

To address this dilemma head-on, we developed a technology called Digital Automatic Room Optimization (D.A.R.O.). It is extremely powerful, yet simple to use. You will not need a computer or complex measurement equipment.

Flexible Fidelity

Each amplifier is preloaded with field-programmable EQ filters designed to optimize performance for each CTS enclosure type.

Each CTS system is driven by a purpose-tuned amplifier capable of delivering up to 2 kW of clean power. The powerful DSP engine is also on-hand, including our exclusive Digital Automatic Room Optimization (D.A.R.O.) system to ensure a smooth response, even in challenging rooms. The amplifier includes removable rack-mounting brackets.





	CTS-113-ST575-13TW5H	CTS-113-MD900-13TW5H	CTS-113-SD1400-13TW5H	CTS-113-TT525-13TW5H	CTS-213-TD900-13TW5H
SKU:	96608	96610	96611	96609	96612
Enclosure Type:	Single Driver 5.75" in Deep Enclosure	Single Driver 9" in Deep Enclosure	Single Driver 14" Deep Enclosure	Single Driver 5.25" in Deep Enclosure	Dual Driver 9" in Deep Enclosure
Driver:	13TW5H : 13.5" (nominal diameter)				
Net Box Volume:	0.827 ft ³	1.186 ft ³	1.185 ft ³	1.185 ft ³	2.367 ft ³
Dimensions (WxHxD):	23.94" x 23.94" x 5.75" 608 mm x 608 mm x 146 mm	14" x 30.69" x 9.0" 356 mm x 780 mm x 229 mm	14" x 19.56" x 14" 356 mm x 497 mm x 356 mm	14" x 58.75" x 5.25" 356 mm x 1492 mm x 133 mm	14" x 59.20" x 9" 356 mm x 1504 mm x 229 mm
Loaded Enclosure Net Weight:	54.3 lbs / 24.63 kg	51.6 lbs / 23.41 kg	46.5 lbs / 21.09 kg	61.6 lbs / 27.94 kg	94.1 lbs / 42.68 kg
Enclosure Finish:	Black Texture-coated				
Amplifier Power:	SAv2-1kWS113U 1000 watts RMS Short-term				SAv2-2kWS213U 2000 watts RMS Short-term (for two single-driver enclosures or one dual-driver enclosure)
Tabletop / Rack-mount Amplifier: Dimensions: (HxWxD) Height dimensions do not include feet	3.5" x 17.4" x 17.9" 89 mm x 442 mm x 455 mm				3.5" x 17.4" x 17.9" 89 mm x 442 mm x 455 mm
Amplifier Net Weight:	35 lbs / 15.9 kg				43 lbs / 19.5 kg

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