

# KLIPSCHORN®

3-WAY FULLY HORN-LOADED LOUDSPEAKER



## THE GREAT AMERICAN CLASSIC

The genesis of something very, very special occurred in a tiny tin shed in Hope, Arkansas in 1946 when Paul W. Klipsch, genius, madman and maverick, designed and hand built the legendary Klipschorn® speaker to enable people, for the first time ever, to experience the power, detail and emotion of a live performance at home. Remember great sound? We do, too.

## DESIGNED AND MADE IN THE USA USING DOMESTIC AND IMPORTED COMPONENTS

As the only speaker in the world to be in continuous production for over 70 years, the Klipschorn has remained relatively unchanged since its inception. The Klipschorn enclosure is still made in the USA, by proud craftsmen in Hope, Arkansas. Just like Paul W. Klipsch intended.

## SPECIFICATIONS

<b>FREQUENCY RESPONSE</b> (+/- 4 dB)	33Hz - 20kHz
<b>SENSITIVITY</b> <sup>1</sup>	105dB @ 2.83V / 1m
<b>POWER HANDLING</b> (CONT/PEAK)	100W/400W
<b>MAXIMUM SPL</b>	121dB Continuous
<b>NOMINAL IMPEDANCE</b>	8 ohms Compatible
<b>CROSSOVER FREQUENCY</b>	HF: 4500Hz MF: 450Hz
<b>HIGH FREQUENCY DRIVER</b>	K-771 1" (2.54cm) light-weight Polyimide diaphragm compression driver mated to a 90 x 40 Tractrix horn
<b>MIDRANGE</b>	K-55-X 2" (5.08cm) Phenolic diaphragm compression driver
<b>LOW FREQUENCY DRIVER</b>	K-33-E 15" (38.1cm) Fiber-composite cone woofer with a trihedral exponential folded horn
<b>ENCLOSURE MATERIAL</b>	Birch Plywood and MDF
<b>INPUTS</b>	Dual binding posts / bi-wire / bi-amp
<b>HEIGHT</b>	53" (134.62 cm)
<b>WIDTH</b>	31.25" (79.38 cm)
<b>DEPTH</b>	28.25" (71.75 cm)
<b>WEIGHT</b>	220lbs (100 kg)
<b>FINISH</b>	Satin Black Ash, American Walnut, Natural Cherry
<b>GRILLE CLOTH</b>	Silver Metallic

<sup>1</sup> Sensitivity in average listening room

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## FINISH OPTIONS



SATIN BLACK ASH



AMERICAN WALNUT



NATURAL CHERRY

## FEATURES

### FULLY HORN-LOADED

The Klipschorn is the only fully horn-loaded loudspeaker available to consumers. With its three-way system, each driver is coupled to a horn and optimized to operate in its individual pass-band. This allows the Klipschorn to be a staggering 10 to 20 times more efficient than other conventional loudspeakers. Higher efficiency yields greater acoustic power, which is generated with considerably less effort. The result is the cleanest, most dynamic sound possible throughout the entire musical range.

### NEODYMIUM TWEETER

The Klipschorn features a neodymium tweeter with a 1" polyimide diaphragm and copper clad aluminum voice coil. This lightweight diaphragm assembly and high strength magnet structure creates the tweeter's extremely high 109dB sensitivity and makes it the most efficient consumer tweeter in the market. When coupled to a 90° x 40° Tractrix® horn, the tweeter sets new levels of performance for dynamic range and output. The phase plug design extends high frequency performance to 20kHz, meaning you hear the most subtle high frequency details better than ever.

### LOW FREQUENCY HORN DESIGN

The Klipschorn's low frequency horn has been redesigned and is now fully enclosed. This eliminates the need for the loudspeakers to be positioned tightly in the corner of a listening room. The speaker only needs to be in the proximity of the corner to realize the horn's full performance. Additionally, the enclosed back provides positioning flexibility to angle the speaker to achieve the best stereo imaging.

### MIDRANGE

According to Paul W. Klipsch, "the midrange is where we live" and is one of the most critical parts in any loudspeaker design. The Klipschorn's midrange utilizes a 1 1/2" compression drivers mated to a high efficiency exponential horn that maximizes the system's power and performance. As a result, less distortion is produced by the amplifier and by the loudspeaker. That means clarity, accuracy and remarkable tonal definition.

### PREMIUM WIRE MANAGEMENT

The Klipschorn features a riser base that not only enhances the look of the speaker, but also improves the wire management so that speaker cables are cleanly hidden.

### BI-AMP INPUT PANEL AND BINDING POSTS

The Klipschorn's premium, aluminum input panel accommodates large, high-quality speaker cables. Strong, versatile and quality binding posts provide the capability for bi-wiring or bi-amping. The quality continues with AudioQuest Type 4 with Star-Quad Geometry internal wiring featuring carbon-loaded insulation, nitrogen-injected PE and solid long-grain copper conductors.

### BOOK-MATCHED WOOD VENEER

Klipsch only uses book-matched wood veneers for the Heritage series of speakers. The veneer leaves are kept in order as they are delicately sliced from the timber and precisely arranged to provide a mirror image at the splice joint - like turning the pages of a book. This gives each speaker an aesthetically appealing and consistent appearance that is treasured more than any other cut of wood veneer.

### MATCHED PAIRS

Each pair of Heritage series loudspeakers is grain-matched, using wood veneer panels that come from the same timber. Each cabinet is carefully matched so that each speaker in the pair is practically identical to each other. While the speakers move seamlessly together through the factory, each finished product is inspected and labeled with sequential serial numbers, ensuring that every Heritage series speaker leaves the factory as a meticulously crafted set.

### BUILT TO LAST

While each component of the Klipschorn is built to last, Klipsch has always recognized the unique and critical role of a loudspeaker's cabinet in the sound reproduction process. From the craftsmen in Hope, AR, to the engineers in Indianapolis, IN, Klipsch has always put an extraordinary emphasis on cabinet design. Crafted from over a hundred wood panels, the Klipschorn enclosure is assembled using only the highest-grade adhesives and fasteners. This is a speaker you will hand down from generation to generation.