

KPT-250

12" 3-WAY CINEMA SURROUND LOUDSPEAKER



Klipsch®

KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



PRODUCT OVERVIEW

The Klipsch KPT-250 three-way cinema surround loudspeaker system brings an exciting three-dimensional sound field to larger auditoriums. It offers high power handling, extreme efficiency, extended bass response and exceptional coverage control. Because it has a tight vertical coverage pattern, it is perfect for use as an extra or rear surround.

The KPT-250 is able to deliver a lesson in you-are-there realism by employing a highpower K-42-EPK 12-inch woofer coupled to a K-66-E 2-inch titanium diaphragm compression driver and a K-792-KP 1-inch diaphragm compression driver. The system's proprietary Tractrix® Horn technology reproduces accurately focused midrange and high frequencies and maintains a pleasing open and neutral character without tonal coloration.

The system's black .75-inch void-free plywood enclosure features a 15-degree down-firing angle baffle and pre-drilled holes that fit industry-standard mounting brackets for fast, easy and secure installation. The continuous power rating and built-in high frequency protection circuit provide absolute reliability.

Adept at establishing enveloping ambient sound fields and localizing specific surround effects, the KPT-250 provides the ultimate in digital sound reproduction, putting movie audiences right in the middle of the action.

DESIGNED AND MADE IN THE USA USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's cinema speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹	70 Hz - 19 kHz +/- 3 dB 52 Hz - 20 kHz - 10 dB
POWER HANDLING²	AES: 140 watts (33.5V), 40 Hz - 10 kHz IEC: 275 watts (47V)
MAXIMUM SPL³	127.4 dB Continuous 133.4 dB Peak
SENSITIVITY⁴	103 dB @ 2.83V
COVERAGE	Horizontal: 100° +/- 40° 400 Hz - 20 kHz Vertical: 50° +/- 30° 3 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	7 dB +/- 3 dB 1.6 kHz - 20 kHz
DIRECTIVITY FACTOR (Q)	5
NOMINAL IMPEDANCE	8 ohms (4.6 min. @ 8 kHz)
COMPONENTS	One K-42-EP 12" woofer One K-52-TI 1.5" titanium diaphragm compression driver on a K-704-T horn One K-100-TI-FF 1" diaphragm compression driver on a K-79-T horn
INPUT CONNECTION	Barrier Strip
HEIGHT	25" (63.5cm)
WIDTH	16" (40.6cm) front
DEPTH	15.5" (39.37cm)
WEIGHT	46 lbs. (20.9 kg)
TILT	15° downward
GRILLE	Cloth

1 3M, Half-space anechoic

2 AES Standard, continuous pink noise, 6dB peaks, 40Hz-10KHz
IEC: 60268-1 noise signal for 2 hours

3 Calculated at 1M half-spaced at IEC power handling power input

4 SPL at 1M, half spaced anechoic 40Hz-10KHz