

KPT-325

COMPACT 2-WAY BEHIND THE SCREEN CINEMA SYSTEM



KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



RECOMMENDED USE



UP TO
150 SEATS (approximately 1800 ft² or 167 m²)

PRODUCT OVERVIEW

Engineered to save space, the Klipsch KPT-325 behind the screen cinema system is only 12.25" in depth and brings unbridled dynamics and intense realism to smaller-sized venues.

The KPT-325 lets movie-goers experience precise dialogue and stunningly detailed soundtracks by employing the KPT-315-LF single, 15" woofer enclosure coupled with the KPT-904-HF Tractrix® horn. The system's advanced horn-loaded technology dramatically increases efficiency and allows it to produce more output using less energy. This improves reliability and reduces distortion so listeners hear exactly what they are suppose to hear, instead of loudspeaker coloration.

Despite its compact size, the KPT-325 delivers the same frequency response as the KPT-904 system, allowing it to satisfy the most discriminating listeners. The KPT-325 is available for both Bi-amp and Mono-amp configurations.

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.

AVAILABLE VERSIONS

KPT-325-B

Bi-amp version without passive processor

KPT-325-M

Includes passive processor for Mono-amp operation

SYSTEM COMPONENTS

	KPT-325-B	KPT-325-M
HF/MF	KPT-904-HF	KPT-904-HF
LF	KPT-315-LF	KPT-315-LF
NETWORK	-	KPT-325-N2

SYSTEM SPECIFICATIONS

FREQUENCY RESPONSE ¹ (+/- 3 dB)	50 Hz - 19 kHz
FREQUENCY RANGE (-10 dB)	42 Hz - 20 kHz
SENSITIVITY ²	102.5 dB
MAXIMUM SPL ⁴	125 dB
HORIZONTAL COVERAGE	80° +/- 20° 400 Hz - 18 kHz
VERTICAL COVERAGE	60° +/- 20° 2 kHz - 19 kHz
DIRECTIVITY INDEX (DI)	8 dB
DIRECTIVITY FACTOR (Q)	6.3
HEIGHT	50.5" (128.27cm)
WIDTH	27.25" (69.22cm)
DEPTH	12.25" (31.1cm)
WEIGHT	101 lbs. (46 kg)

¹ Frequency response behind a screen relative to X-curve and with active processing applied

² SPL at 1M, half-space anechoic with 2.83V input

³ AES standard, continuous pink noise, 6 dB peaks

⁴ Calculated at 1M half-space at power handling input

RECOMMENDED MINIMUM AMPLIFIER POWER

TRANSDUCER	AMPLIFIER POWER RATING
MONO-AMP	800W into 4 ohms
LF (BI-AMP)	800W into 4 ohms
HF (BI-AMP)	100W into 8 ohms



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	KPT-325-B		KPT-325-M																		
	HF	LF	HF/LF																		
SENSITIVITY²	108.5 dB	102 dB	102.5 dB																		
POWER HANDLING³	50W (20V)	400W (40V)	400W (39V)																		
POWER HANDLING (PEAK)	200W	1600W	1600W																		
MAXIMUM SPL⁴	125.5 dB	125 dB	125 dB																		
MAXIMUM SPL (PEAK)	131.5 dB	131 dB	131 dB																		
NOMINAL IMPEDANCE	8 ohm	4 ohm	4 ohm																		
	<div style="text-align: center;">  KPT-904-HF </div> <table border="1"> <tr> <td>HIGHPASS CROSSOVER</td> <td colspan="2">900 Hz Linkwitz Riley 24 dB</td> </tr> <tr> <td>PEQ1</td> <td>1.52 kHz</td> <td>Q: 1.2 Gain: -5 dB</td> </tr> <tr> <td>PEQ2</td> <td>3.7 kHz</td> <td>Q: 5 Gain: -3 dB</td> </tr> <tr> <td>PEQ3</td> <td>1.36 kHz</td> <td>Q: 5 Gain: -2 dB</td> </tr> <tr> <td>HF DELAY</td> <td colspan="2">0.104 ms</td> </tr> <tr> <td>OUTPUT GAIN</td> <td colspan="2">-2 dB</td> </tr> </table>		HIGHPASS CROSSOVER	900 Hz Linkwitz Riley 24 dB		PEQ1	1.52 kHz	Q: 1.2 Gain: -5 dB	PEQ2	3.7 kHz	Q: 5 Gain: -3 dB	PEQ3	1.36 kHz	Q: 5 Gain: -2 dB	HF DELAY	0.104 ms		OUTPUT GAIN	-2 dB		<div style="text-align: center;"> ACTIVE PROCESSOR SETTINGS ARE NOT REQUIRED FOR MONO-AMP OPERATION </div>
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RECOMMENDED ACTIVE PROCESSOR SETTINGS

- ¹ Frequency response behind a screen relative to X-curve and with active processing applied
- ² SPL at 1M, half-space anechoic with 2.83V input
- ³ AES standard, continuous pink noise, 6 dB peaks
- ⁴ Calculated at 1M half-space at power handling input

Digital Signal Processing (DSP) equipment is required for the Bi-amp configuration of the KPT-325. Digital Signal Processing is not required for proper configuration of the mono-amp version (KPT-325-M), as the passive processor takes care of all the equalization/crossover requirements for the system.

The DSP parameters listed above are to establish crossover, gain, equalization and delay. They are recommended for the initial set-up evaluation and will yield the corresponding component specifications at the top of this page.