

KPT-335

3-WAY BEHIND THE SCREEN CINEMA SYSTEM



Klipsch®

KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



RECOMMENDED USE



UP TO
175 SEATS (approximately 2250 ft² or 209 m²)

PRODUCT OVERVIEW

Unlike many 3-way behind the screen systems, the KPT-335 is only 12.25" in depth, making it one of the most compact performers in its class. Engineered to save space and deliver superior sound to smaller sized venues, the KPT-335 serves as a high output single 15" 3-way system. It features the KPT-315-LF for enhanced bass output. In order to reproduce the critical dialogue range, this system also features the KPT-335-HF/MF, which consists of a K-510 Tractrix® horn, 2" throat compression driver and the K-703 Tractrix horn with a 1.75" titanium diaphragm.

Perfect for exhibitors who want to utilize a fully passive or bi-amplified 3-way system in their auditoriums, the KPT-335 lets movie-goers experience the unbridled dynamics and intense realism only Klipsch cinema stage loudspeakers can deliver.

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-335-T

Includes passive processor for Tri-amp operation

KPT-335-B/M

Includes passive processor for either Bi-amp or Mono-amp operation

SYSTEM COMPONENTS

	KPT-335-T	KPT-335-B/M
HF/MF	KPT-335-HF/MF-T	KPT-335-HF/MF-N*
LF	KPT-315-LF	KPT-315-LF

* Includes Passive Processor

SYSTEM SPECIFICATIONS

FREQUENCY RESPONSE ¹ (+/- 3 dB)	50 Hz - 20 kHz
FREQUENCY RANGE (-10 dB)	42 Hz - 20 kHz
SENSITIVITY ²	103 dB
MAXIMUM SPL ⁴	125 dB
HORIZONTAL COVERAGE	90° +/- 20° 1 kHz - 16 kHz
VERTICAL COVERAGE	60° +/- 20° 2 kHz - 19 kHz
DIRECTIVITY INDEX (DI)	8 dB
DIRECTIVITY FACTOR (Q)	6.3
HEIGHT	58" (147cm)
WIDTH	27.25" (69.2cm)
DEPTH	12.25" (31.1cm)
WEIGHT	112 lbs. (51 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	650W into 4 ohms
LF (BI-AMP)	800W into 4 ohms
HF (BI-AMP)	400W into 4 ohms

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	HF	MF	LF	HF/MF	LF	HF/MF/LF																																					
SENSITIVITY²	102 dB	111 dB	102 dB	105 dB	102 dB	103 dB																																					
POWER HANDLING³	50W (20V)	50W (20V)	400W (40V)	200W (33V)	400W (40V)	325W (36V)																																					
POWER HANDLING (PEAK)	200W	200W	1600W	800W	1600W	1300W																																					
MAXIMUM SPL⁴	119 dB	128 dB	125 dB	126 dB	125 dB	125 dB																																					
MAXIMUM SPL (PEAK)	125 dB	134 dB	131 dB	132 dB	131 dB	131 dB																																					
NOMINAL IMPEDANCE	8 ohm	8 ohm	4 ohm	5.5 ohm	4 ohm	4 ohm																																					
RECOMMENDED ACTIVE PROCESSOR SETTINGS	<div style="text-align: center;"> KPT-335-HF </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HIGHPASS CROSSOVER</td> <td colspan="2">7 kHz Linkwitz Riley 24 dB</td> </tr> <tr> <td>PEQ1</td> <td>9 kHz</td> <td>Q: 2.2 Gain: +4 dB</td> </tr> <tr> <td>PEQ2</td> <td>4.5 kHz</td> <td>Q: 4 Gain: -4 dB</td> </tr> <tr> <td>PEQ3</td> <td>7.6 kHz</td> <td>Q: 4 Gain: +2 dB</td> </tr> <tr> <td>HF DELAY</td> <td colspan="2">.23 ms</td> </tr> <tr> <td>OUTPUT GAIN</td> <td colspan="2">0 dB</td> </tr> </table>			HIGHPASS CROSSOVER	7 kHz Linkwitz Riley 24 dB		PEQ1	9 kHz	Q: 2.2 Gain: +4 dB	PEQ2	4.5 kHz	Q: 4 Gain: -4 dB	PEQ3	7.6 kHz	Q: 4 Gain: +2 dB	HF DELAY	.23 ms		OUTPUT GAIN	0 dB		<div style="text-align: center;"> KPT-335-HF/MF </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>HIGHPASS CROSSOVER</td> <td colspan="2">880 Hz Linkwitz Riley 24 dB</td> </tr> <tr> <td>PEQ1</td> <td>8 kHz</td> <td>Q: 2 Gain: +2 dB</td> </tr> <tr> <td>PEQ2</td> <td>3 kHz</td> <td>Q: 4 Gain: +2 dB</td> </tr> <tr> <td>PEQ3</td> <td>2 kHz</td> <td>Q: 5 Gain: -2 dB</td> </tr> <tr> <td>HF DELAY</td> <td colspan="2">0 ms</td> </tr> <tr> <td>OUTPUT GAIN</td> <td colspan="2">+1 dB</td> </tr> </table>		HIGHPASS CROSSOVER	880 Hz Linkwitz Riley 24 dB		PEQ1	8 kHz	Q: 2 Gain: +2 dB	PEQ2	3 kHz	Q: 4 Gain: +2 dB	PEQ3	2 kHz	Q: 5 Gain: -2 dB	HF DELAY	0 ms		OUTPUT GAIN	+1 dB		<p style="text-align: center;">ACTIVE PROCESSOR SETTINGS ARE NOT REQUIRED FOR MONO-AMP OPERATION</p> <p><small>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</small></p>	
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Digital Signal Processing (DSP) equipment is required for the Tri-amp and Bi-amp versions of the KPT-335. Digital Signal Processing is not required for proper configuration of the mono-amp version, 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.