

KPT-JUBILEE/535-B

3-WAY FULLY HORN-LOADED BEHIND THE SCREEN CINEMA SYSTEM



KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



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 series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

AVAILABLE VERSIONS

KPT-JUBILEE/535-B

Includes passive processor for Bi-amp operation

SYSTEM COMPONENTS

	KPT-JUBILEE/535-B
HF	KPT-GRAND-HF-N*
MF	KPT-402-MF
LF	KPT-KHJ-LF

* Includes passive processor for bi-amp operation

SYSTEM SPECIFICATIONS

FREQUENCY RESPONSE ¹ (+/- 3 dB)	45 Hz - 19 kHz
FREQUENCY RANGE (-10 dB)	34 Hz - 20 kHz
SENSITIVITY ²	105 dB
MAXIMUM SPL ⁴	128 dB
HORIZONTAL COVERAGE	90° +/- 20° 200 Hz - 18 kHz
VERTICAL COVERAGE	60° +/- 20° 600 Hz - 19 kHz
DIRECTIVITY INDEX (DI)	8 dB
DIRECTIVITY FACTOR (Q)	6.3
HEIGHT	77.25" (196.2cm)
WIDTH	41.5" (105.4cm)
DEPTH	24.5" (62.2cm)
WEIGHT	260 lbs. (118 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 USE



PRODUCT OVERVIEW

Developed by audio pioneer Paul W. Klipsch in 2001, the KPT-Jubilee/535-B behind the screen system delivers precise dialogue and brings out all the power, detail and emotion of today's most demanding soundtracks.

With auditorium space at a premium, the Jubilee, with its 24" depth KPT-KHJ-LF low frequency device, is the ultimate space-saving solution. This dual 12" loudspeaker system couples the horn loaded woofers with the KPT-402-MF mid-bass Tractrix® horn coupled to the Klipsch-1133 2" exit titanium driver. The high frequencies are easily handled by the KPT-Grand-HF-N Tractrix horn.

The Jubilee's advanced Tractrix horn geometry and compression driver technology creates a large soundstage with well-defined imaging, resulting in a more genuine, lifelike sound. And because horn loaded technology improves reliability and reduces distortion, audiences hear exactly what they are supposed to hear, instead of loudspeaker coloration.

RECOMMENDED MINIMUM AMPLIFIER POWER

TRANSDUCER	AMPLIFIER POWER RATING
LF	800W into 4 ohms
HF/MF	450W into 4 ohms

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	KPT-JUBILEE/535-B	
	HF/MF	LF
SENSITIVITY	107.5 dB	108 dB
POWER HANDLING	225W (34V)	400W (40V)
POWER HANDLING (PEAK)	900W	1600W
MAXIMUM SPL	129dB	131 dB
MAXIMUM SPL (PEAK)	135 dB	137 dB
NOMINAL IMPEDANCE	5 ohm	4 ohm
	HF/MF KPT-GRAND-HF KPT-402-MF	
	HIGHPASS CROSSOVER 400 Hz Linkwitz Riley 24 dB	
	PEQ1 620 Hz Q: 2 Gain: -1 dB	
	PEQ2 1.48 kHz Q: 5 Gain: -3 dB	
	PEQ3 2.3 kHz Q: 7 Gain: -3 dB	
	PEQ4 3.5 kHz Q: 7 Gain: -2 dB	
	HF/MF DELAY 2.27 ms	
	OUTPUT GAIN +3 dB	
	LF KPT-KHJ-LF	
	LOWPASS CROSSOVER 450 Hz Linkwitz Riley 24 dB	
	LF DELAY 0 ms	
	OUTPUT GAIN 0 dB	

RECOMMENDED ACTIVE
PROCESSOR SETTINGS

Digital Signal Processing (DSP) equipment is required for Bi-amp operation of the KPT-JUBILEE/535-B.

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.