

KPT-904

2-WAY BEHIND THE SCREEN CINEMA SYSTEM



Klipsch®

KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



RECOMMENDED USE



UP TO 200 SEATS (approximately 2800 ft² or 260 m²)

PRODUCT OVERVIEW

Once movie-goers experience the unbridled dynamics and intense realism of the KPT-904, they will have a new favorite theater for life. A mid-sized screen and stage loudspeaker system, it is especially suited for stadium seating.

The higher frequencies are handled by the KPT-904-HF, which uses the KDE-75-8P, 3" titanium diaphragm compression driver mated to the K-691 horn. This advanced Tractrix® horn geometry and compression driver technology creates a large soundstage with well-defined imaging, resulting in a more genuine, lifelike sound. The bass punch is provided by the KPT-904-LF dual, 15", low-frequency cabinet.

The KPT-904 delivers sensational performance and accurate coverage control, all at a remarkable price. It is available in a Bi-amp version and with a passive processor for mono-amp operation.

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

AVAILABLE VERSIONS

KPT-904-B

Bi-amp version without passive processor

KPT-904-M

Includes passive processor for Mono-amp operation

SYSTEM COMPONENTS

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

SYSTEM SPECIFICATIONS

FREQUENCY RESPONSE ¹ (+/- 3 dB)	45 Hz - 19 kHz
FREQUENCY RANGE (-10 dB)	32 Hz - 20 kHz
SENSITIVITY ²	105 dB
MAXIMUM SPL ⁴	127 dB
HORIZONTAL COVERAGE	90° +/- 20° 250 Hz - 14 kHz
VERTICAL COVERAGE	60° +/- 20° 2 kHz - 19 kHz
DIRECTIVITY INDEX (DI)	8 dB
DIRECTIVITY FACTOR (Q)	6.3
HEIGHT	55.5" (141cm)
WIDTH	27.25" (69.22cm)
DEPTH	17.75" (45.1cm)
WEIGHT	156 lbs. (71 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-904-B		KPT-904-M																								
	HF	LF	HF/LF																								
SENSITIVITY²	108.5 dB	105.5 dB	105 dB																								
POWER HANDLING³	50W (20V)	800W (58V)	400W (37V)																								
POWER HANDLING (PEAK)	200W	3200W	1600W																								
MAXIMUM SPL⁴	125.5 dB	131 dB	127 dB																								
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NOMINAL IMPEDANCE	8 ohm	4 ohm	3.5 ohm																								
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RECOMMENDED ACTIVE PROCESSOR SETTINGS

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Digital Signal Processing (DSP) equipment is required for the Bi-amp configuration of the KPT-904. Digital Signal Processing is not required for proper configuration of the mono-amp version (KPT-904-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.