

KPT-745

4-WAY SPACE-SAVING BEHIND THE SCREEN CINEMA SYSTEM



Klipsch®

KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



RECOMMENDED USE



UP TO 600 SEATS (approximately 9000 ft² or 836 m²)

PRODUCT OVERVIEW

Following the success of the KPT-MCM-II Grand fully horn-loaded, four-way cinema system, Klipsch designed the new, four-way KPT-745 to deliver similar movie chills and thrills but from a much shallower footprint. Less than 24" in depth, the KPT-745 system is perfect for larger theater venues with limited space behind the screen.

The low-frequency punch is provided by the high efficiency KPT-415-LF quad 15" bass unit, aided by a separate, single 8", Tractrix® horn-loaded mid-bass device, the KPT-305-MB. The KPT-402-MF Tractrix Horn and K-113 2" exit titanium compression driver effortlessly reproduce the system's mid frequencies.

For the added kick that's required by grandiose locations, the KPT-Grand-HF extended high-frequency horn module easily handles the system's smooth treble reproduction. This powerful system is also available with a mid/high passive processor for a tri-amp and bi-amp configuration.

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-745-Q

Quad-amp version without passive processor

KPT-745-T

Includes a passive processor for Tri-amp operation

KPT-745-B

Includes a passive processor for Bi-amp operation

SYSTEM COMPONENTS

	KPT-745-Q	KPT-745-T	KPT-745-B
HF	KPT-Grand HF-T	KPT-Grand HF-N*	KPT-Grand HF-T
MF	KPT-402-MF	KPT-402-MF	KPT-402-MF
MB	KPT-305-MB	KPT-305-MB	KPT-305-MB
LF	KPT-415-LF	KPT-415-LF	KPT-415-LF
NETWORK	-	-	KPT-305/402/GRAND N2

* Includes Passive Processor

SYSTEM SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	43 Hz - 19 kHz
FREQUENCY RANGE (-10 dB)	26 Hz - 20 kHz
SENSITIVITY²	109.5 dB
MAXIMUM SPL⁴	131 dB
HORIZONTAL COVERAGE	80° +/- 20° 350 Hz - 16 kHz
VERTICAL COVERAGE	50° +/- 30° 350 Hz - 16 kHz
DIRECTIVITY INDEX (DI)	8 dB
DIRECTIVITY FACTOR (Q)	6.3
HEIGHT	114.5" (290.83cm)
WIDTH	41.5" (105.41cm)
DEPTH	23.75" (60.33cm)
WEIGHT	408 lbs. (185.2 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

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SENSITIVITY²	111 dB	111 dB	102.5 dB	109 dB	107.5 dB	102.5 dB	109 dB	107.5 dB	109 dB																																																																																										
POWER HANDLING³	50W (20V)	90W (27V)	460W (50V)	1600W (56V)	225W (34V)	460W (50V)	1600W (56V)	250W (35V)	1600W (56V)																																																																																										
POWER HANDLING (PEAK)	200W	360W	1840W	6400W	900W	1840W	6400W	1000W	6400W																																																																																										
MAXIMUM SPL⁴	128 dB	130 dB	127 dB	135 dB	129 dB	127 dB	135 dB	129 dB	135 dB																																																																																										
MAXIMUM SPL (PEAK)	134 dB	136 dB	133 dB	141 dB	135 dB	133 dB	141 dB	135 dB	141 dB																																																																																										
NOMINAL IMPEDANCE	8 ohm	8 ohm	5 ohm	2 ohm	5 ohm	5 ohm	2 ohm	5 ohm	2 ohm																																																																																										
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RECOMMENDED ACTIVE PROCESSOR SETTINGS

Digital Signal Processing (DSP) equipment is required for all versions of the KPT-745.

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.