

KPT-CINEMA GRANDEUR

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



KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



RECOMMENDED USE



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

PRODUCT OVERVIEW

Following on the design of the KPT-MCM Grand system, Klipsch has designed the new KPT-Cinema Grandeur fully horn-loaded, four-way cinema system using state-of-the-art drivers and a redesigned low frequency enclosure that's only 31" deep. The result is the ultimate in audio performance for the largest and finest exhibition spaces.

The KPT-Cinema Grandeur uses the latest in driver technology - and when coupled to our no-compromise, high efficiency horns - the result is an ultra-efficient combination that pushes the maximum continuous output to an impressive 137 dB. In addition, they help reduce distortion level to unprecedented levels and improved intelligibility.

The new KPT-1515 low frequency enclosure has been redesigned and affords the same frequency response as the KPT-MWM-LF, but is almost 1/3 shallower - making the Cinema Grandeur much more versatile in installations where space is limited.

Pair with a Klipsch **KPT-1802-HLS** horn-loaded subwoofer for the ultimate, fully horn-loaded, cinema front stage!

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-CINEMA GRANDEUR-Q

Quad-amp version without passive processor

SYSTEM COMPONENTS

	KPT-CINEMA GRANDEUR
HF	KPT-905-HF-T
MF	KPT--404-MF
MB	KPT-308-MB
LF	KPT-1515-LF

SYSTEM SPECIFICATIONS

FREQUENCY RESPONSE ¹ (+/- 3 dB)	40 Hz - 19 kHz
FREQUENCY RANGE (-10 dB)	35 Hz - 20 kHz
SENSITIVITY ²	110 dB
MAXIMUM SPL ⁴	137 dB
HORIZONTAL COVERAGE	80° +/- 20° 200 Hz - 16 kHz
VERTICAL COVERAGE	50° +/- 30° 350 Hz - 16 kHz
DIRECTIVITY INDEX (DI)	8 dB
DIRECTIVITY FACTOR (Q)	6.3
HEIGHT	115" (292.1cm)
WIDTH	74" (188cm) front
DEPTH	31" (78.4cm)
WEIGHT	500 lbs. (227.3 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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	KPT-CINEMA GRANDEUR-Q			
	HF	MF	MB	LF
SENSITIVITY²	111 dB	114 dB	104 dB	110 dB
POWER HANDLING⁴	120W (31V)	113W (30V)	500W (64V)	2400W (93V)
POWER HANDLING (PEAK)	480W	452W	2000W	9600W
MAXIMUM SPL³	131 dB	134 dB	131 dB	140 dB
MAXIMUM SPL (PEAK)	137 dB	140 dB	137 dB	146 dB
NOMINAL IMPEDANCE	8 ohm	8 ohm	8 ohm	3.6 ohm
<div style="text-align: center;"> <p>HF KPT-905-HF-T</p> <p>HIGHPASS CROSSOVER 7.6 kHz Linkwitz Riley 24 dB</p> <p>PEQ1 5.4 kHz Q: 2 Gain: -8 dB</p> <p>PEQ2 4.6 kHz Q: 6 Gain: -6 dB</p> <p>PEQ3 7.6 kHz Q: 6 Gain: +6 dB</p> <p>HF DELAY 8.96 ms</p> <p>OUTPUT GAIN 0 dB</p> </div> <div style="text-align: center;"> <p>MF KPT-404-MF</p> <p>HIGHPASS CROSSOVER 1.2 kHz Linkwitz Riley 24 dB</p> <p>LOWPASS CROSSOVER 7.4 kHz Linkwitz Riley 24 dB</p> <p>PEQ1 2.5 Hz Q: 4 Gain: -3 dB</p> <p>PEQ2 1.52 kHz Q: 4 Gain: -2 dB</p> <p>PEQ3 5.4 kHz Q: 4 Gain: +2 dB</p> <p>PEQ4 1.2 Hz Q: 3 Gain: +3 dB</p> <p>MF DELAY 8.65 ms</p> <p>OUTPUT GAIN -3 dB</p> </div> <div style="text-align: center;"> <p>MB KPT-308-MB</p> <p>HIGHPASS CROSSOVER 320 Hz Linkwitz Riley 24 dB</p> <p>LOWPASS CROSSOVER 1.0 kHz Linkwitz Riley 24 dB</p> <p>PEQ1 560 Hz Q: 3 Gain: -5 dB</p> <p>MB DELAY 8.90 ms</p> <p>OUTPUT GAIN +5 dB</p> </div> <div style="text-align: center;"> <p>LF KPT-1515-LF</p> <p>LOWPASS CROSSOVER 350 Hz Linkwitz Riley 24 dB</p> <p>PEQ1 200 Hz Q: 3 Gain: +4 dB</p> <p>LF DELAY 0 ms</p> <p>OUTPUT GAIN 0 dB</p> </div>				

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 all versions of the KPT-Cinema Grandeur.

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.