

# KPT-1200M

AESTHETIC DESIGN HIGH OUTPUT 2-WAY FOR LARGER CINEMAS

12-inch woofer with 2" voice coil

1.75-inch titanium high-frequency compression driver

Patented elliptical insert 90° x 90° Tractrix® Horn

Built-in 8° downward angle with 15° angle option

1/4-20 UNC 2A threaded inserts to accommodate optional Klipsch or industry standard brackets

The Klipsch KPT-1200M is a solid, high-style, lightweight surround speaker equally suited for on-wall or ceiling-mount applications to deliver lifelike movie going experiences exactly the way the artists intended. Built to provide premium surround sound in medium to large venues and, like all Klipsch Cinema Surround speakers, it perfectly timbre-matches Klipsch behind-screen systems. Exclusive Tractrix® Horns with added ellipses or "mumps" enhance full-frequency dispersion while their high efficiency reproduces every detail with low-distortion clarity. The horn's 90° x 90° dispersion pattern provides coverage to a large area while the 12" woofer with larger 2" voice coil provides extended bass response. Designed for flexible ceiling or side-wall placement in multiple size venues the KPT-1200M is ideally suited for the demands of the newest immersive digital surround sound formats. The solid, molded cabinet design provides an attractive, contemporary look that blends perfectly with today's high-style venues with pre-drilled holes to fit industry-standard mounting brackets for fast, easy and secure installation. Mounted flush on a vertical surface (wall) produces an 8° downward firing angle while the included insert adds an additional 7° of angle for a total of 15°. Klipsch SB-6 and SB-7 mounting brackets are recommended for side-wall mounting while an approved third-party bracket can easily be utilized for ceiling mounting.

Whether used in a standard surround format, or called upon to create the jaw-dropping effects of today's advanced digital surround formats, the Klipsch KPT-8000M provides the ultimate in surround sound reproduction, putting movie audiences right in the middle of the action.



## SPECIFICATIONS

FREQUENCY RESPONSE <sup>1</sup>	66Hz-20kHz +/- 3dB, -10dB @ 47Hz
MAX. CONTINUOUS OUTPUT <sup>2</sup>	118dB 124dB (peak)
SENSITIVITY <sup>3</sup>	98dB
COVERAGE	Horizontal 90° +20/-15 1kHz-20kHz Vertical 90° +10/-45 2kHz-20kHz
DIRECTIVITY INDEX (DI)	8dB+/-1dB 1kHz-20kHz
DIRECTIVITY FACTOR (D)	6.3
WALL MOUNT DOWNFIRING ANGLE	8 degrees (or 15 degrees when using included angled insert)
NOMINAL IMPEDANCE	8 ohms, minimum 4.4 ohms @147Hz
CROSSOVER FREQUENCY	2kHz 12dB/Octave LF 18dB/Octave HF
POWER HANDLING <sup>4</sup>	200 watts (30V) 40Hz-10kHz (800watts peak)
TRANSDUCERS	One K-28-ST 12" woofer One K-70-G 1.75" (44.45mm) titanium compression driver on a K-801-M horn
INPUT CONNECTORS	4 point barrier strip
ENCLOSURE MATERIAL	ABS + 10% glass
GRILLE	powder coated steel
BRACKET SCREW PATTERN	4 screw: 2.75"(6.9cm) x 5"(12.7cm)
INCLUDED SCREWS	(4) 1.125" (2.86cm) 1/4-20 x 1.25 UNC 2A (4) .75" (1.9cm) 1/4-20 x 0.75 UNC 2A
HEIGHT	22.53" (57.23cm)
WIDTH	18.16" (46.13cm) Top 16.13" (41cm) Bottom
DEPTH	10.25" (26.04cm) Top 7.125" (18.1cm) Bottom
WEIGHT	33 lbs. (14.97kg)
SHIPPING DIMENSIONS	12.88" (32.72cm) H X 21" (53.34cm) W X 25.25" (64.1cm) D
SHIPPING WEIGHT	38 lbs. (17.24kg)



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US Patent No. 7,686,129

<sup>1</sup> 3M, Half-space anechoic

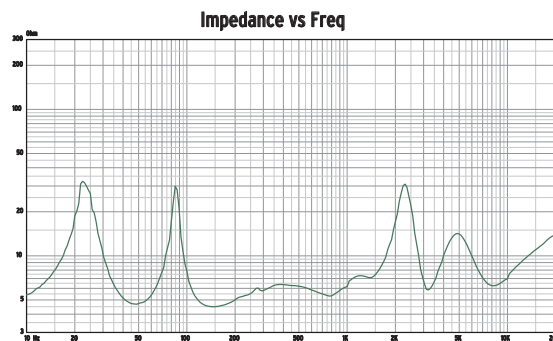
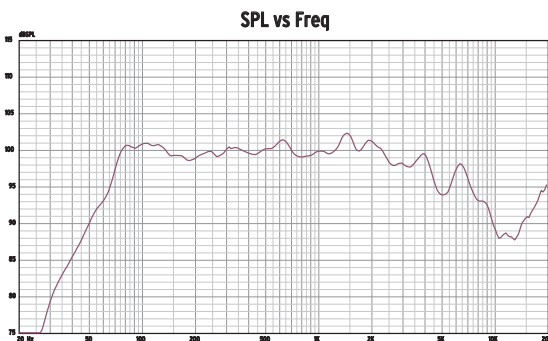
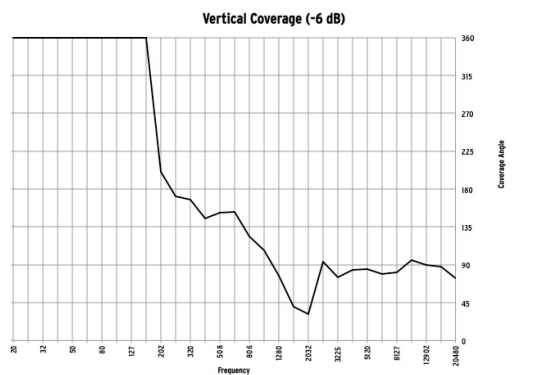
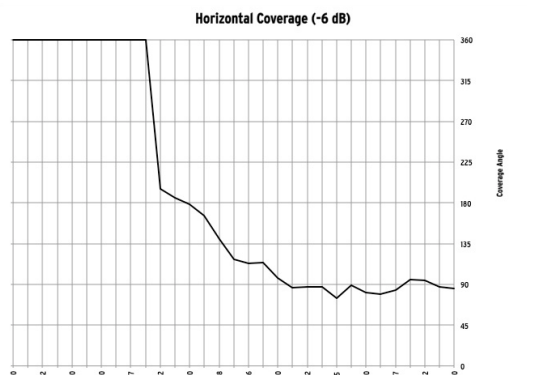
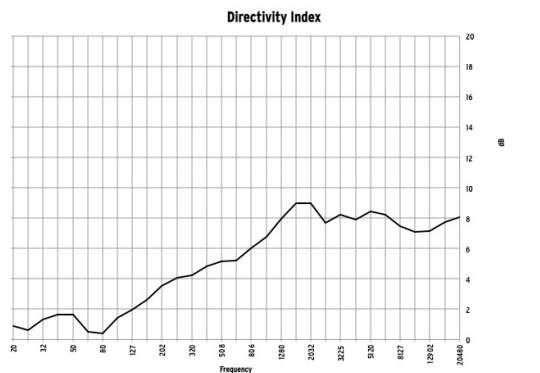
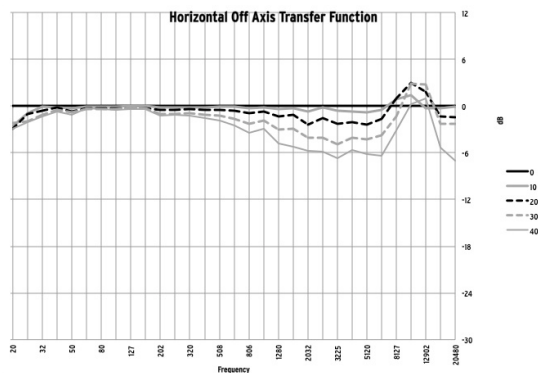
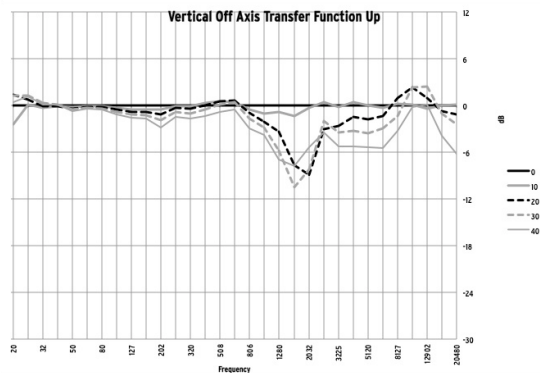
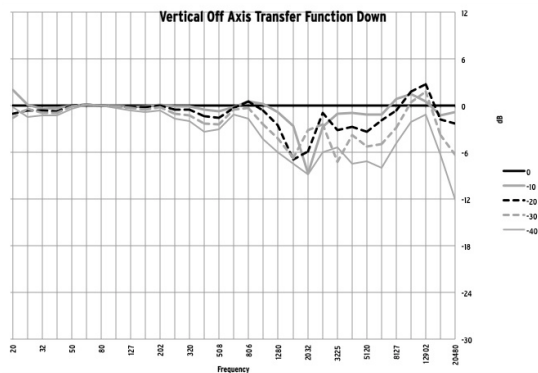
<sup>2</sup> Calculated at 1M half-space at full rated power

<sup>3</sup> SPL at 1M, half-space anechoic with 2.83 volts (1W) input

<sup>4</sup> AES standard, continuous pink noise, 6dB peaks

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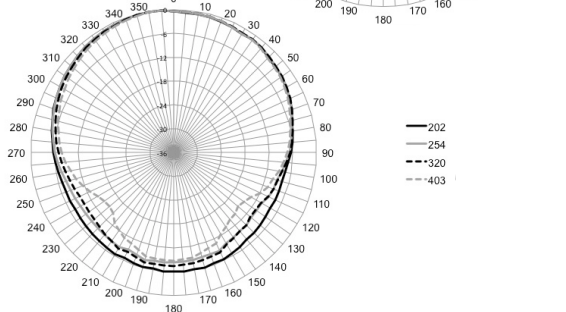
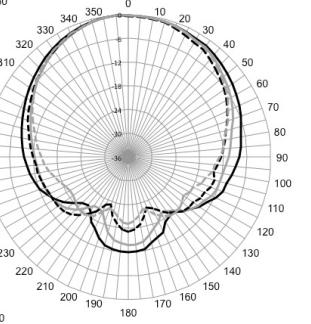
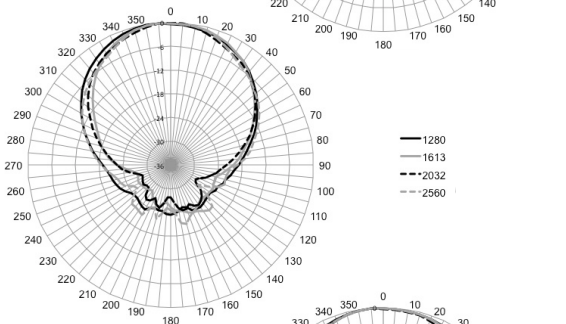
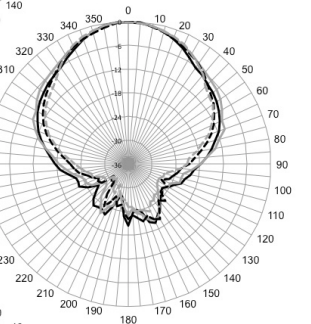
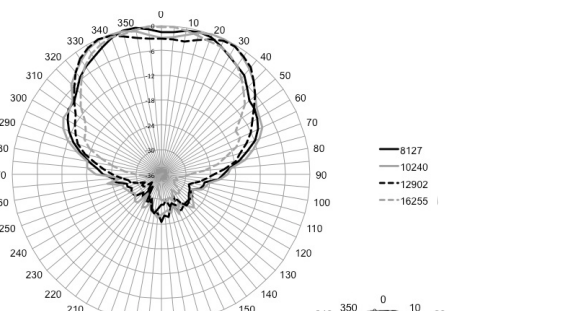
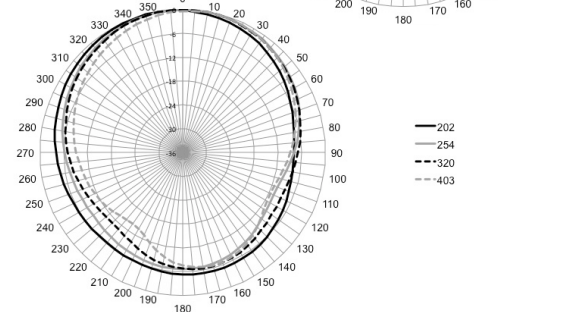
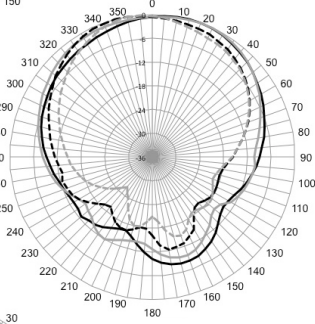
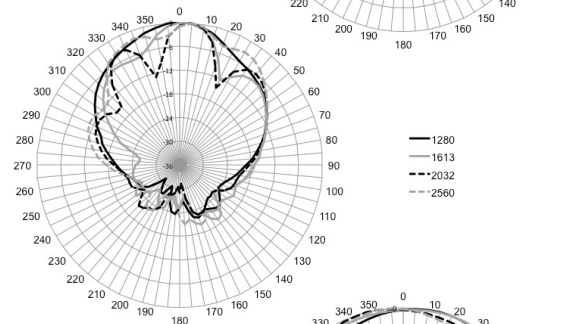
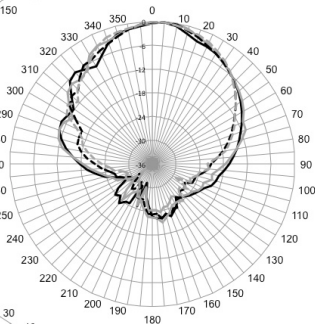
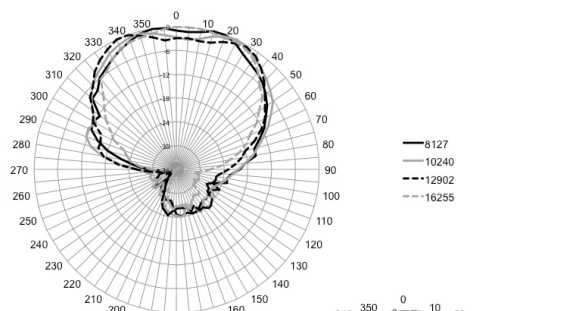
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## VERTICAL 1/3 OCTAVE POLARS

## HORIZONTAL 1/3 OCTAVE POLARS



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## ARCHITECTURAL SPECIFICATIONS

The KPT-1200M 12" two-way professional cinema surround speaker system shall include an 12" (304.8mm) K-28-ST low-frequency transducer utilizing a 2" (50.8mm) diameter voice coil, 40-ounce 1134(g) magnet and a K-70-G-KP 1.75" (44.4mm) titanium diaphragm high-frequency 27-ounce (768g) magnet compression driver mounted on a K-801-M horn. Signal shall be applied to the transducers via a full-range frequency-dividing network. The enclosure tuning shall be of a vented design.

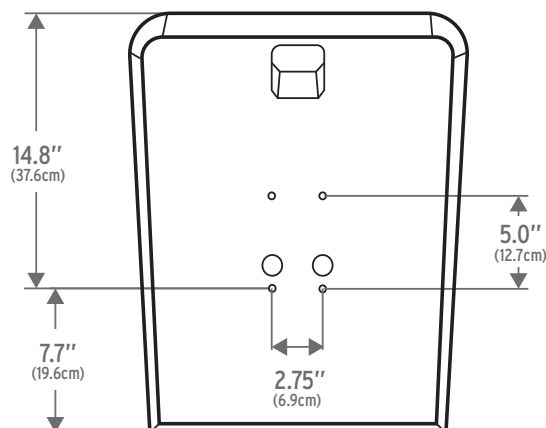
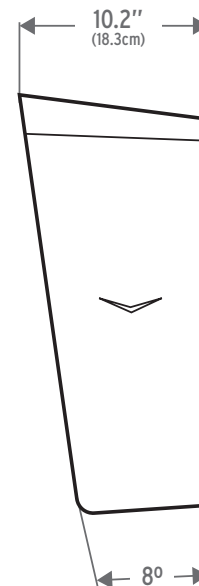
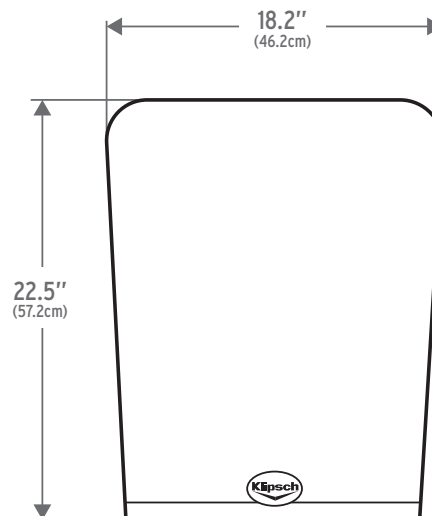
Frequency response shall be 66Hz to 20kHz, +/-3dB per "X" curve, with the -10dB point at 47Hz, measured at three meters, half-space anechoic. The high-frequency dispersion angle shall be 90° X 90° nominal. Directivity shall be 8dB. Sensitivity shall be 98dB SPL, measured at one meter, half-space anechoic, with a 2.83V input pink noise. Power handling shall be 200 watts (30 volts), to AES standards, continuous pink noise, 40Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 118dB SPL. Nominal impedance shall be 8 ohms, with 4.4 ohms minimum at 147Hz.

The internal passive crossover frequency shall be 2kHz with a slope of 12dB/octave on the low frequency and 18dB/octave on the high-frequency. Signal connections shall be made via a four point barrier strip.

The enclosure is a molded design composed of 90% ABS and 10% glass in a black color. The baffle, composed of the same material, shall be .285" (.724cm) thick. Dimensions for the enclosure shall be 22.53" (47.5cm) high by 10.25" (26.04cm) deep (cabinet top) by 7.125" (18.1cm) deep (cabinet bottom) by 18.16" (46.13cm) width (cabinet top) by 16.13" (41cm) width (cabinet bottom). Four threaded inserts in the cabinet rear are in a bolt pattern width of 2.75" (6.985cm) by 5" (12.7cm) height and accept four included 1/4-20 x 1.125 UNC 2A screws for a mounting bracket attachment. The speaker baffle, with the speaker bracket-mounted parallel to a properly supported vertical surface has an 7 degree downward tilt. Use of a separate insert included with the speaker installed between a mounting bracket and the speaker adds an additional 8 degrees of downward speaker tilt. A single, additional threaded insert on the cabinet rear accepts one included, hex head 3/8-16 x 1.75 UNC 2A screw to be utilized for a Safety Cable Attachment. Net speaker weight shall be 30 lbs. (13.6kg).

A curved metal perforated grille on the cabinet front is for structural integrity and protection of the transducers from impact and tampering.

The system shall be a Klipsch KPT-1200M loudspeaker.



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