

KPT-8060H

AESTHETIC DESIGN 2-WAY SURROUND FOR MEDIUM TO LARGE CINEMAS



Klipsch®

KLIPSCH PROFESSIONAL | CINEMA | DATA SHEET



PRODUCT OVERVIEW

Designed for high levels of both visual and sonic appeal, the Klipsch KPT-8060H is the perfect solution for sidewall, rear or ceiling placement surround speaker applications. Klipsch-exclusive Tractrix® Horn technology efficiently reproduces sound with low-distortion clarity. The addition of ellipses or “mumps” to the horn wall enhances coverage across the dispersion area of the horn. The 90° x 60° horn coverage pattern provides a tight coverage that can extend the full width of a large auditorium.

The solid, molded cabinet design provides an attractive, contemporary look that blends perfectly with today's high-style venues and includes pre-drilled holes with inserts to fit industry-standard mounting brackets for a 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 highly realistic placement of sounds with today's advanced digital surround formats, the Klipsch KPT-8060H provides the ultimate in surround sound reproduction, putting movie audiences right in the middle of the action.

FEATURES

- 8-inch woofer with 2" voice coil
- 1-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 accommodate optional Klipsch or industry standard brackets

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	75 Hz - 20 kHz (-10 dB @ 49 Hz)
POWER HANDLING²	AES: 112 watts (30V) 40 Hz - 10 kHz IEC: 190 watts (33.5V)
MAXIMUM SPL³	121.3 dB Continuous 127.3 dB Peak
SENSITIVITY⁴	98.5 dB @ 2.83V
COVERAGE	Horizontal: 90° +/- 20° 2 kHz - 18 kHz Vertical: 60° +20°/-15° 1.6 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	8 dB +/- 1 dB 2.2 kHz - 20 kHz
DIRECTIVITY FACTOR (Q)	6.3 2 kHz - 20 kHz
NOMINAL IMPEDANCE	8 ohms, minimum 4.5 ohms @ 230 Hz
CROSSOVER FREQUENCY	1.77 kHz 12 dB/Octave LF 18 dB/Octave HF
COMPONENTS	One K-81-ST 8" woofer One K-103-TI 1" titanium compression driver on a K-702 horn
INPUT CONNECTION	Four point barrier strip
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 .75 UNC 2A
ENCLOSURE MATERIAL	ABS + 10% glass
GRILLE	Powder-coated steel
HEIGHT	18.7" (47.5cm)
WIDTH	Top: 14.7" (37.3cm) Bottom: 13" (33cm)
DEPTH	Top: 7.2" (18.3cm) Bottom: 4.7" (11.9cm)
WEIGHT	20 lbs (9.07kg)
TILT	Built-in 8° downward angle with 15° angle option
SAFETY CABLE INSERT	3/8" 1/4-20 threaded
ACCESSORIES	SB-6 mounting bracket SB-7 mounting bracket SB-9 mounting bracket

¹ 3M, Half-space anechoic

² AES Standard, continuous pink noise, 6dB peaks, 40Hz-10KHz
IEC: 60268-1 noise signal for 2 hours

³ Calculated at 1M half-spaced at IEC power handling power input

⁴ SPL at 1M, half spaced anechoic 40Hz-10KHz