

ALL-PURPOSE 6.5" TWO-WAY COMPACT LOUDSPEAKER SYSTEM



Designed for high fidelity distributed sound system installations, the CA-6T compact full range loudspeaker is perfect for foreground or background applications in restaurants, outdoor recreation environments, boardrooms or A/V systems. The rugged ABS enclosure is weather-resistant and UV-resistant for a long service life. An internal multi-tap transformer includes direct bypass switching for distributed or direct 8 ohm operation.

The included C-bracket and integral threaded studs with oversized knobs allow easy under-eave, wall or ceiling mounting for rapid "center-of-gravity balanced" installation. A security retainer provides for secondary attachment to an external safety point, guarding against tampering or drop damage. Connections are provided via 5-way binding posts.

The CA-6T components include a high power 6.5" extended range woofer and a 1" highly accurate titanium diaphragm compression driver mounted on a square-mouth Tractrix Horn. The 90° x 60° horn / driver assembly can be repositioned by 90° to provide flexible horizontal and vertical pattern adjustments.

Providing great sound for its size, the compact CA-6T full-range loudspeaker system is capable of 85 watt continuous power handling, with an AES-rated sensitivity of 95dB and a maximum output level of 111dB SPL.

The removable powder-coated aluminum grille and stainless steel hardware offer years of maintenance-free protection no matter the climate or environment. The available black or white enclosure finish can be painted to match surrounding decor.

Inside and out, the Klipsch CA-6T provides superior audio performance in a durable – and flexible – commercial package.

CA - 6 T



- Multi-tap internal 60W transformer for distributed line systems
- 90° x 60° Tractrix® Horn adjustable for pattern control
- High 95dB sensitivity, 111dB maximum output at 1 meter
- Durable stainless hardware and powder-coated aluminum grille
- Simplified C-bracket attachment for fast field installation
- Paintable white or black enclosure selection

Specifications

FREQUENCY RESPONSE ¹	69Hz-20kHz±4dB
POWER HANDLING ²	85 W (19V)
MAXIMUM CONTINUOUS OUTPUT ³	111dB
SENSITIVITY ⁴	95dB
TRANSFORMER TAPS	70V: 60W, 30W, 15W
	100V: 60W, 30W
	Thru Position: 8 ohms
HORIZONTAL COVERAGE	60°±40 2300Hz-20kHz
VERTICAL COVERAGE	90°±50 1300Hz-20kHz
DIRECTIVITY INDEX	8 ±3dB 800Hz-20kHz
NOMINAL IMPEDANCE	8 ohms nominal (4.1 min @ 180Hz)
CROSSOVER FREQUENCY	2 kHz
COMPONENTS	One K-1110-A 6.5" woofer
	One K-118-A 1" titanium diaphragm compression driver
INPUT CONNECTORS	5-way binding posts
ENCLOSURE MATERIAL	All weather ABS plastic
HEIGHT	9.5" (24.13cm)
WIDTH	15.125" (38.42cm)
DEPTH	10.375" (26.35cm)
WEIGHT	15 lbs. (6.81kg)
SHIPPING WEIGHT	34 lbs. (15.44kg)
FINISHES	White or Black
ACCESSORIES	C-Bracket (included), CASecurity Kit

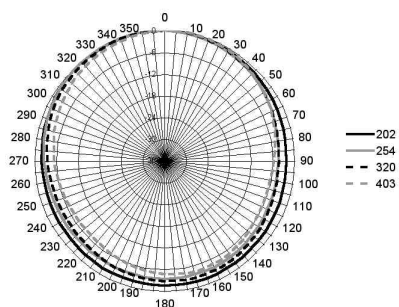
¹3M, Half-space anechoic

²AES Standard, continuous pink noise 50Hz-10kHz, 6dB peaks

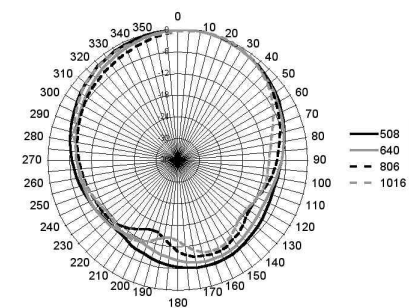
³Calculated at 1M at power handling power input

⁴SPL at 1M, half-space anechoic with 2.83V input

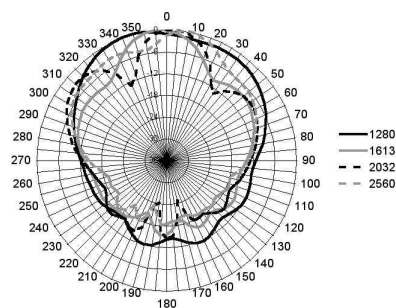
Vertical $\frac{1}{3}$ Octave Polars



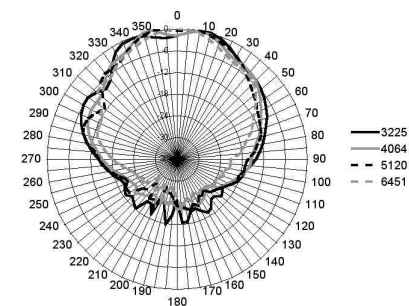
— 202
— 254
- - 320
- - 403



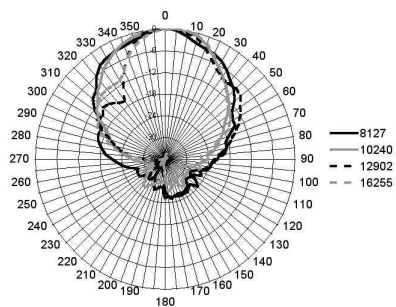
— 508
— 640
- - 806
- - 1016



— 1280
— 1613
- - 2032
- - 2560

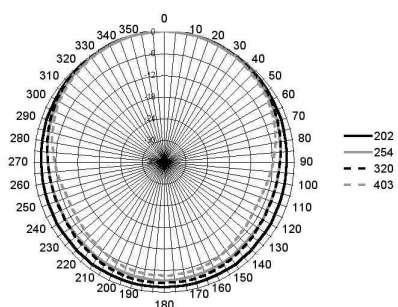


— 3225
— 4064
- - 5120
- - 6451

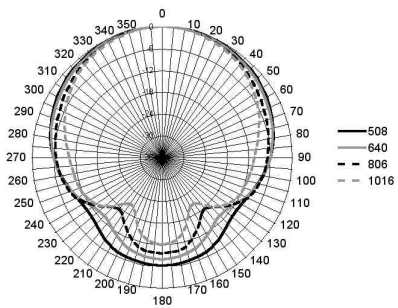


— 8127
— 10240
- - 12902
- - 16255

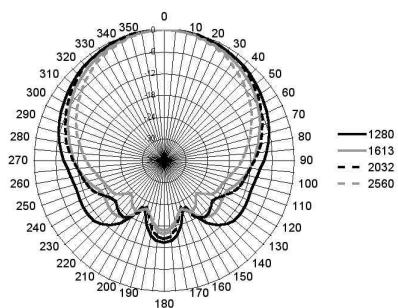
Horizontal $\frac{1}{3}$ Octave Polars



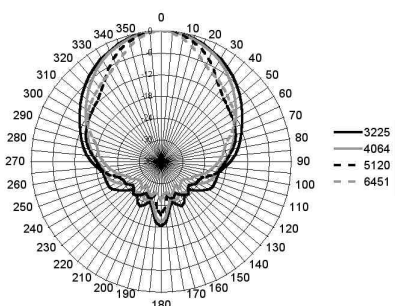
— 202
— 254
- - 320
- - 403



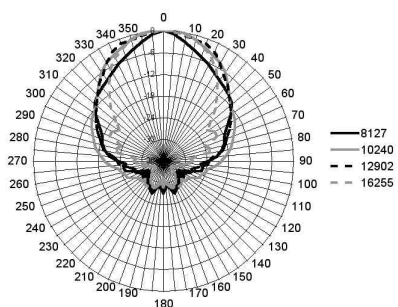
— 508
— 640
- - 806
- - 1016



— 1280
— 1613
- - 2032
- - 2560



— 3225
— 4064
- - 5120
- - 6451

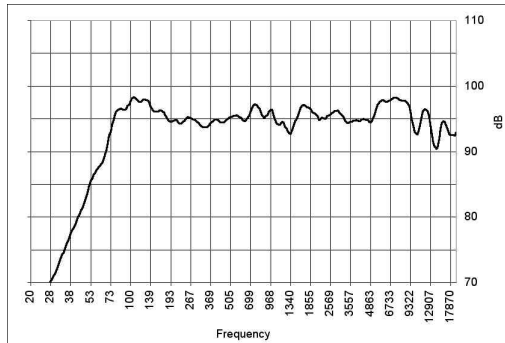


— 8127
— 10240
- - 12902
- - 16255

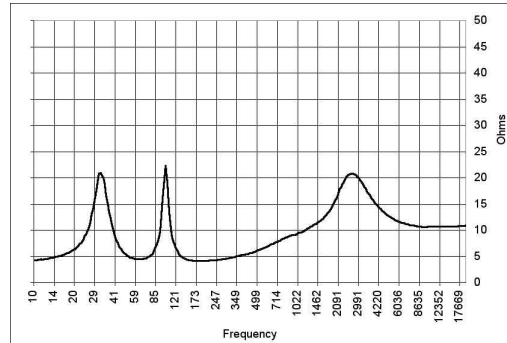
CA-6T

COMPACT 6.5" TWO-WAY SPEAKER SYSTEM

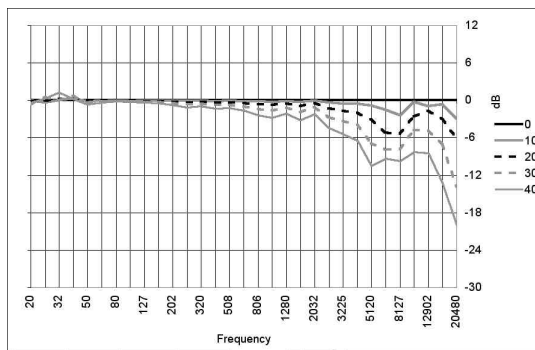
Frequency Response



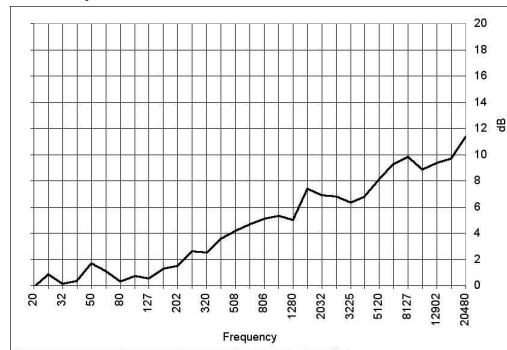
Impedance



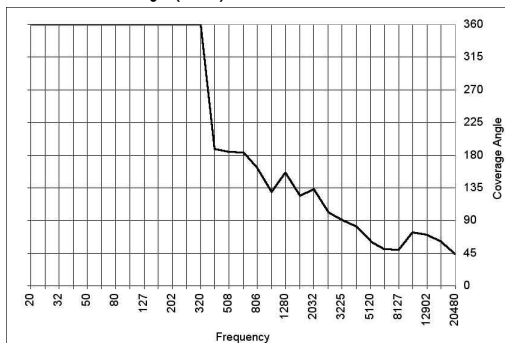
Horizontal Off-Axis Transfer Function



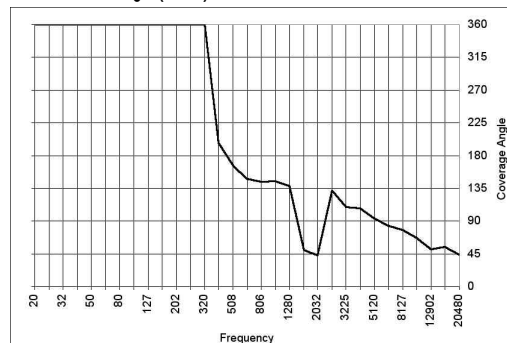
Directivity Index



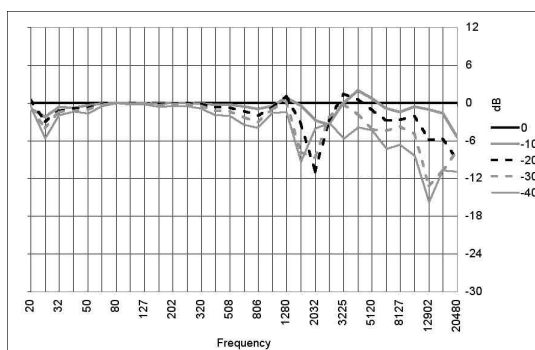
Horizontal Coverage (-6dB)



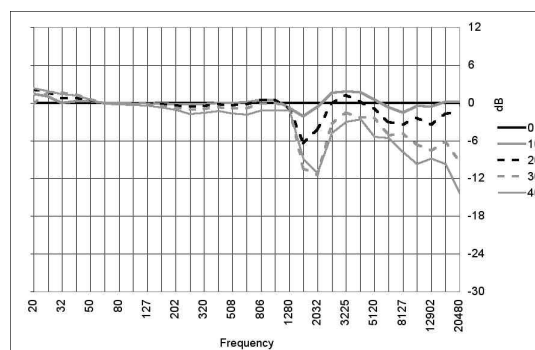
Vertical Coverage (-6dB)



Vertical Off-Axis Transfer Function UP



Vertical Off-Axis Function DOWN



Architectural Specifications

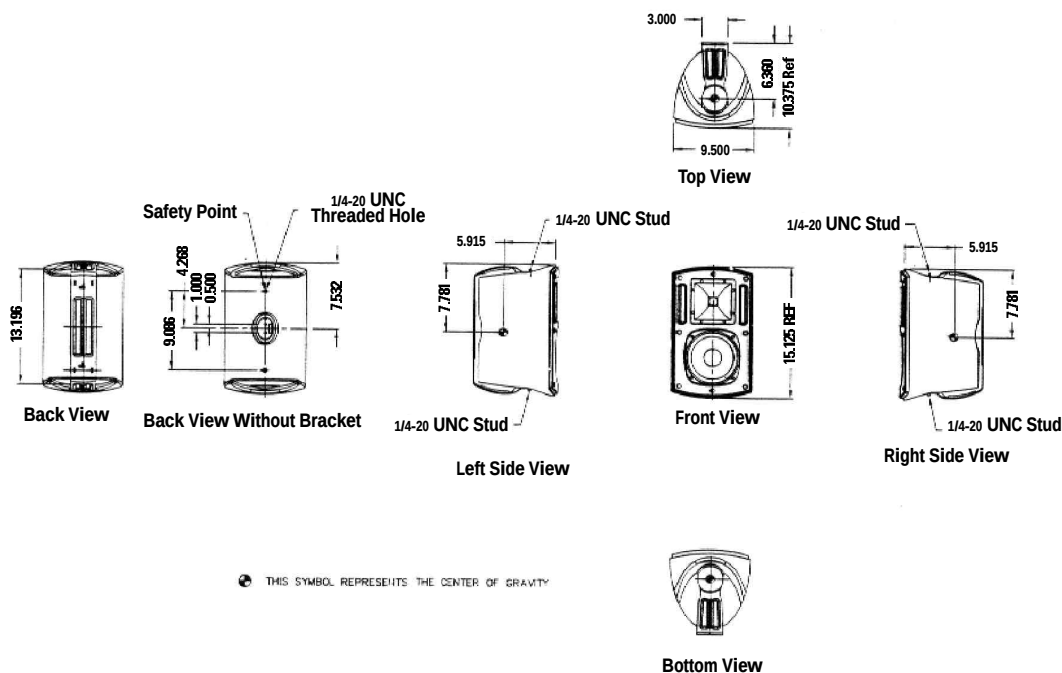
The CA-6T all-purpose two-way compact loudspeaker system shall include a 6.5" (16.5cm) weather-resistant K-1110-A low frequency driver and a 1" (2.54cm) K-118-A titanium diaphragm compression driver mounted on a molded Tractrix Horn. Signal shall be provided to the transducers via a passive internal frequency dividing network, with a 2kHz crossover frequency. The enclosure tuning shall be dual port bass reflex.

Frequency response shall be 69Hz to 20kHz, ± 4 dB, with the -10dB down point at 53Hz, measured at 1 meter, half space anechoic. The dispersion angle shall be 90° x 60° nominal (refer to graph). Sensitivity shall be 95dB SPL, measured at 1 meter, half space anechoic, with a 2.83V input. Power handling shall be 85 Watts (19V), to AES standards, continuous pink noise, 50Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at 1 meter shall be 111dB SPL.

Nominal impedance shall be 8 ohms, with a 4.1 ohm minimum at 180Hz. Full-range connections shall be made via 5-way binding posts.

A removable powder-coated aluminum grille shall be provided for protection of the transducers from tampering or damage. The enclosure shall be of UV- and weather-resistant ABS plastic, available in black or white, with dimensions of 9.5" (24.13cm) high by 15.125" (38.42cm) wide by 10.375" (26.35cm) deep. Net weight shall be 15 lbs. (6.81kg). Mounting shall be via protruding stainless steel threaded studs on the side enclosure panels, mating to large external knobs for positive attachment to the C-shaped mounting bracket (included).

The system shall be a Klipsch CA-6T loudspeaker.



3502 Woodview Trace, Suite 200 • Indianapolis, IN 46268
 137 County Road 278 • Hope, AR USA 71801
 1-888-600-5776 • www.klipsch.com