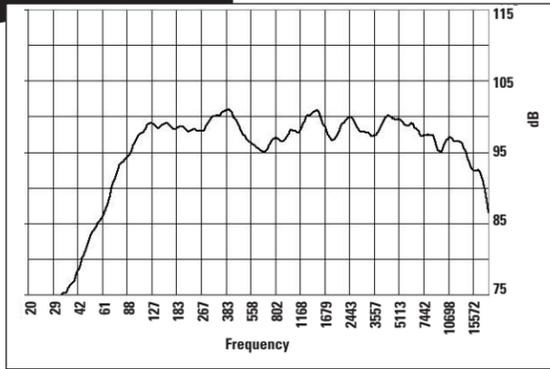


KI-102 COMPACT TRAPEZOIDAL 8" TWO-WAY SPEAKER SYSTEM

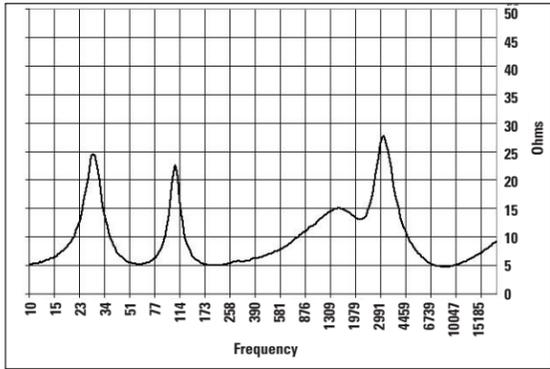
Vertical 1/3 Octave Polars

Horizontal 1/3 Octave Polars

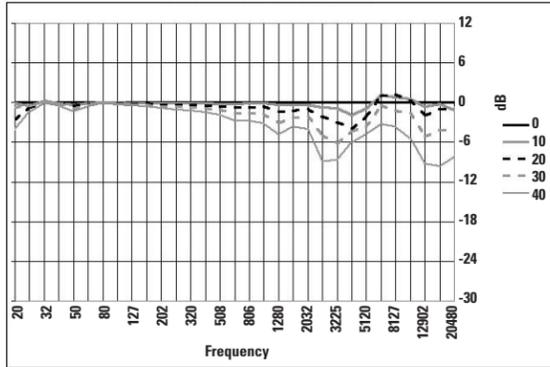
Frequency Response



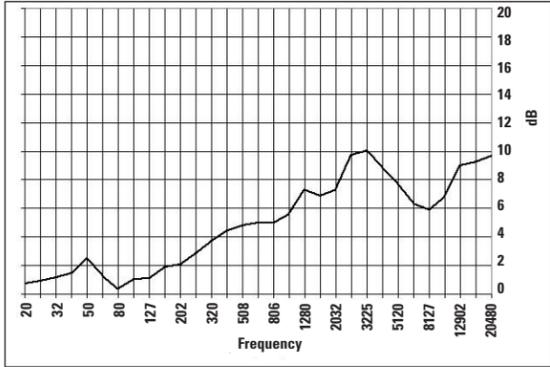
Impedance



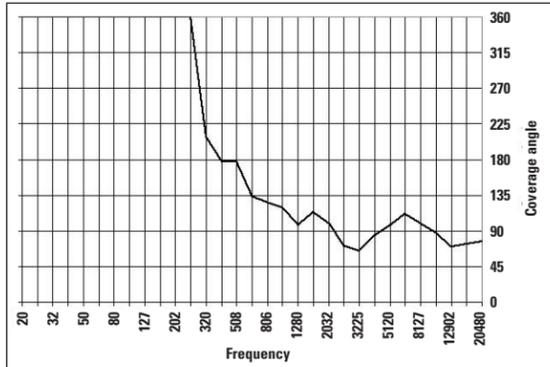
Horizontal Off-Axis Transfer Function



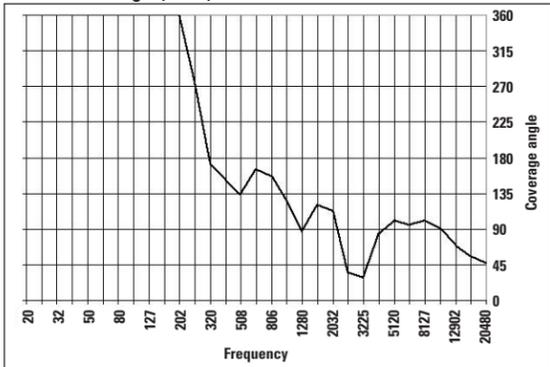
Directivity Index



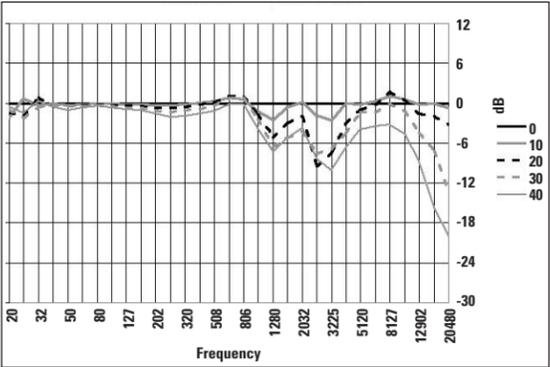
Horizontal Coverage (-6dB)



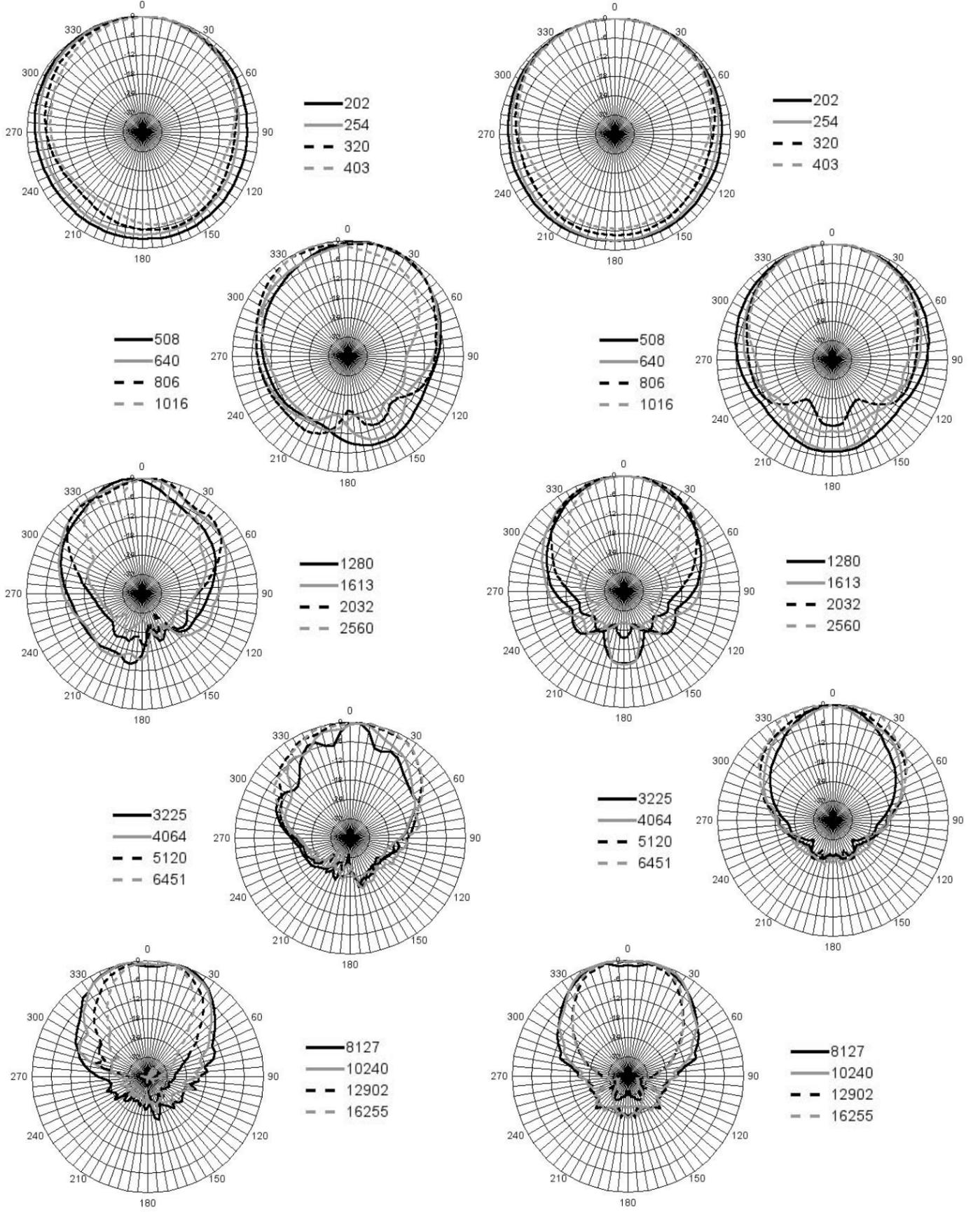
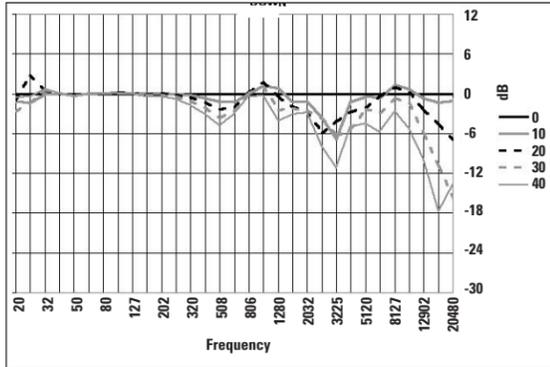
Vertical Coverage (-6dB)



Vertical Off-Axis Transfer Function UP



Vertical Off-Axis Function DOWN



Architectural Specifications

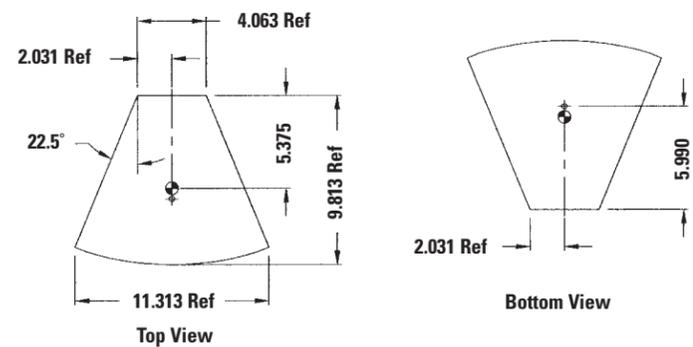
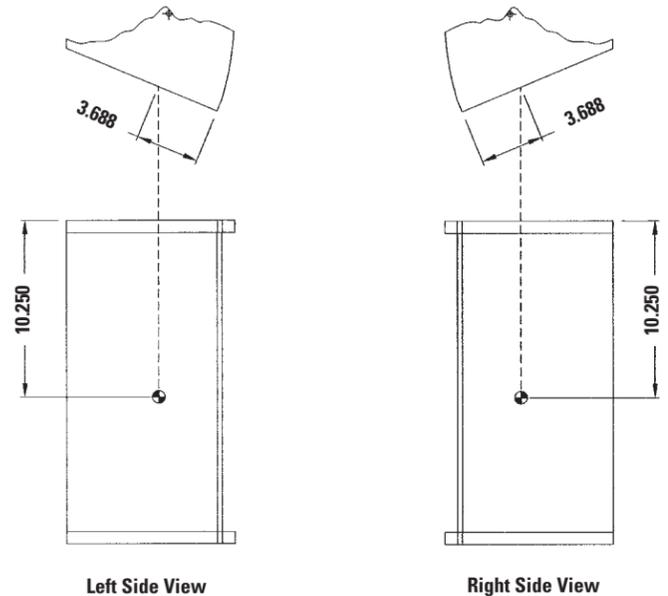
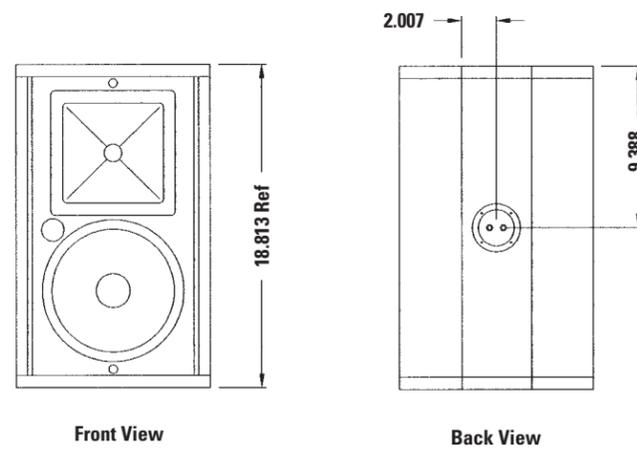
The KI-102 compact high power loudspeaker system shall include an 8" (203.2mm) K-8-E low-frequency transducer utilizing a 1.5" (38.1mm) voice coil and 20-ounce (622g) magnet, and a K-103-TI-KP 1" (25.4mm) titanium diaphragm high-frequency five-ounce (155.5g) magnet compression driver mounted on a 90° X 90° heavy-duty, injection-molded modified Tractrix Horn. Signal shall be applied to the transducers via a passive internal frequency dividing network, incorporating a KLIP-circuit for signal overload protection of the high frequency transducer. The enclosure tuning shall be of a vented design.

Frequency response shall be 75Hz to 17kHz, ±4dB, with the -10dB point at 62Hz, measured at three meters, half-space anechoic. The dispersion angle shall be 90° X 90° nominal (refer to graph). Directivity shall be 7dB (refer to graph). Sensitivity shall be 96dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 100 watts (21.2 volts), to AES standards, continuous pink noise, 50Hz to 10kHz, 6dB peaks. Maximum continuous output at one meter shall be 113dB SPL. Nominal impedance shall be 8 ohms, with 4.5 ohms minimum at 8kHz. The internal passive crossover frequency shall be 3kHz, with slopes of 12dB/octave for the low frequency and 18dB/octave for the high frequency. Full-range connections shall be made via standard five-way binding posts, enabling direct stripped wire, lug, pin, single or dual banana plug interface.

The enclosure panels shall be CNC-fabricated, 3/4" MDF, assembled utilizing rabbet and dado joinery. Dimensions for the enclosure shall be 18.813" (47.785cm) high by 9.813" (24.925cm) deep by 11.313" (28.735cm) front width and 4.063" (10.32cm) rear width in a symmetrical trapezoidal shape, with both side panels angled at 22.5°. Net weight shall be 19 lbs. (8.626kg). The top and bottom panels shall be radiused, with a metal perforated grille for structural integrity and protection of the transducers from impact and tampering.

Enclosure mounting shall be via internal top and bottom T-nuts for the accessory Klipsch SB-102 "U"-shaped bracket. The enclosure shall be coated with lacquer-based primer and lacquer-based texture, with a black or white finish. The enclosure shall also be available unfinished in raw MDF.

The system shall be a Klipsch KI-102 loudspeaker.



- ☉ This symbol represents the center of gravity.
- ✦ This symbol indicates mounting point, 1/4-20 UNC threaded hole.

Klipsch

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Indianapolis, IN 46268

1-800-KLIPSCH • www.klipsch.com

COMPACT TRAPEZOIDAL 8" TWO-WAY SPEAKER SYSTEM

Klipsch

Need the performance but don't have the space? The KI-102 is a compact trapezoidal two-way speaker system capable of superb voice and music performance in permanent installations. It is recommended for use in restaurants, clubs, schools, churches, health clubs and corporate A/V production environments where fidelity requirements are high, but real estate is limited.

The KI-102 couples a high power, long excursion 8" woofer with a 1" titanium diaphragm compression driver on a 90° X 90° hybrid Tractrix® Horn.

Proprietary CNC fabrication techniques are used to ensure maximum precision and uniform tolerances for the tuned port, 3/4" MDF enclosure. Dado "lock-tab" and rabbet joint construction contribute to industry leading reliability and ruggedness and a cabinet remarkably free from resonance and cabinet-induced coloration.

The radiused enclosure and perforated metal grille add structural integrity and are texture-coated for weather and corrosion resistance. Available in black, white or paintable raw MDF, the KI-102 is covered by the Klipsch limited five-year warranty.

Mounting capabilities include top and bottom attachments for the SB-102 "U"-shaped bracket.

The KI-102 is compatible with the Klipsch KI-115 subwoofer for extended low-frequency, high power reproduction, using an external active two-way crossover.

KI-102

- Compact 22.5° symmetrical trapezoidal design
- High power 8" woofer and 1" titanium diaphragm HF compression driver
- 90° X 90° hybrid Tractrix Horn
- Flexible mounting options
- KLIP-circuit HF driver protection device
- Smooth polar response, extended 100-watt power handling
- 96dB half-space sensitivity, 113dB maximum output
- Only 19" X 11.5" X 10" and 19 lbs.



Specifications

FREQUENCY RESPONSE ¹	75Hz-17kHz±4dB, -10dB 62Hz (see graph)
POWER HANDLING ²	100 Watts (21.2V)
MAXIMUM CONTINUOUS OUTPUT ³	113dB
DISPERSION ANGLE	90° Horizontal X 90° Vertical (see graph)
DIRECTIVITY	7dB (see graph)
SENSITIVITY ⁴	96dB
NOMINAL IMPEDANCE	8 Ohms, 4.5 Ohms Minimum at 8kHz (see graph)
CROSSOVER FREQUENCY	3kHz
	12dB/Octave on LF
	18dB/Octave on HF
OVERLOAD PROTECTION	KLIP Overload Tweeter Protection Circuit
COMPONENTS	K-8-E 8" Woofer
	K-103-TI-KP 1" Titanium Diaphragm Compression Driver
ENCLOSURE MATERIAL	3/4" MDF
INPUT CONNECTIONS	Five-way Binding Post
DEPTH	9.813" (24.925cm)
HEIGHT	18.813" (47.785cm)
WIDTH FRONT	11.313" (28.735cm)
WIDTH BACK	4.063" (10.32cm) 22.5° Angled Box
NET WEIGHT	19 lbs. (8.626kg)
SHIPPING WEIGHT	24 lbs. (10.896kg)
FINISHES	Black, White and Raw MDF
ACCESSORIES	SB-102 Mounting Bracket

¹3M, Half-space anechoic

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

³At 1M at power handling power input

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