

# **HIGH POWER 12" TWO-WAY TRAPEZOIDAL SPEAKER SYSTEM**



Featuring a high-excursion, cast frame 12" woofer and 1.5" titanium diaphragm compression driver on a 60° X 40° Tractrix Horn, the KI-262 is ideally suited for applications where small size, uniform power response and ease of installation contribute to a quality sound solution. The KI-262 is recommended for use in theaters, auditoriums, clubs, churches and A/V production environments. Able to hang three high using 12 built-in <sup>3</sup>/<sub>8</sub>" 16-thread, commercially available rigging bar-compatible fly points, the KI-262 provides the coverage control, fidelity and reliability expected of Klipsch professional loudspeakers.

The 13-ply, Baltic Birch void-free plywood enclosure uses dado "lock-joint" and rabbet construction techniques on CNC-fabricated panels for long-term reliability and ruggedness.

The speaker utilizes radiused top and bottom panels with a curved perforated metal grille, and is dual texture-coated for weather and corrosion resistance. Available in black, white or paintable raw birch, the KI-262 is covered by the Klipsch limited five-year warranty.

# **K I - 2 6 2**

- Compact 22.5° symmetrical trapezoidal design
- 12" woofer and 1.5" titanium diaphragm HF compression driver
- 60° X 40° Tractrix® Horn for tight pattern control
- 12 suspension points for trouble-free mounting
- 13-ply, void-free Baltic Birch enclosure
- Internal, high current full-range or bi-amp passive crossover
- KLIP-circuit HF driver protection device



## **Specifications**

FREQUENCY RESPONSE <sup>1</sup>	75Hz-12.5kHz±4dB, -10dB 64Hz (see graph)
POWER HANDLING <sup>2</sup>	250 Watts (41.5V)
MAXIMUM CONTINUOUS OUTPUT <sup>3</sup>	125dB
DISPERSION ANGLE	60° Horizontal X 40° Vertical (see graph)
DIRECTIVITY	9dB (see graph)
SENSITIVITY <sup>4</sup>	102dB
NOMINAL IMPEDANCE	8 Ohms, 6.9 Ohms Minimum at 195Hz (see graph)
CROSSOVER FREQUENCY	1400Hz
	12dB/Octave on LF
	18dB/Octave on HF
OVERLOAD PROTECTION	KLIP Overload Tweeter Protection Circuit
COMPONENTS	K-42-KP 12" Woofer
	K-52-TI 1.5" Titanium Diaphragm Compression Driver
ENCLOSURE MATERIAL	18mm 13-Ply Baltic Birch Plywood Cabinet
	1" 11-Ply Birch Plywood Baffle
INPUT CONNECTIONS	Two NL-4 Speakon Connectors Wired in Parallel
DEPTH	13.375" (33.973cm)
HEIGHT	23" (58.42cm)
WIDTH FRONT	16.813" (42.705cm)
WIDTH BACK	6.813" (17.305cm) 22.5° Angled Box
NET WEIGHT	47 lbs. (21.338kg)
SHIPPING WEIGHT	54 lbs. (24.516kg)
FINISHES	Black, White and Raw Birch

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

<sup>2</sup>AES Standard, continuous pink noise 50Hz-10kHz, 6dB peaks

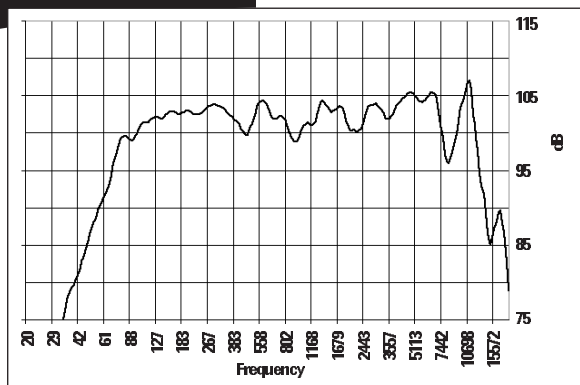
<sup>3</sup>At 1M at power handling power input

<sup>4</sup>SPL at 1M, half-space anechoic with 2.83V input

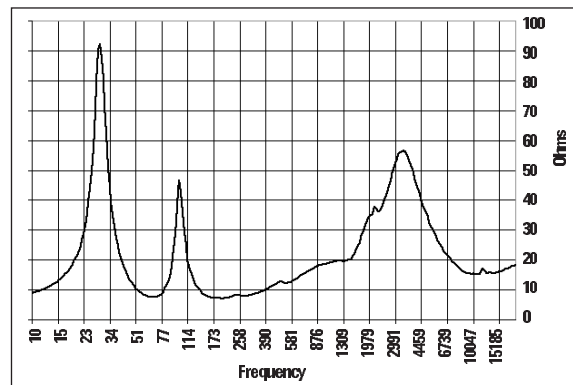
# KI-262

## HIGH POWER 12" TWO-WAY TRAPEZOIDAL SPEAKER SYSTEM

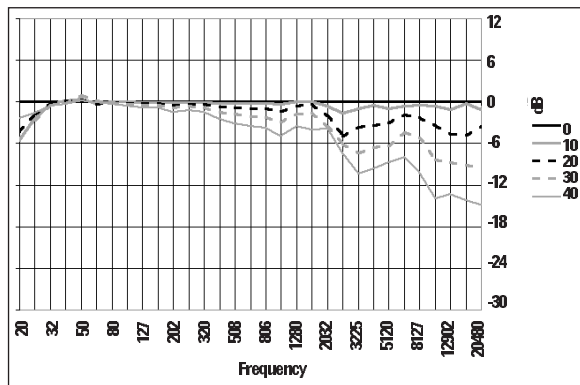
Frequency Response



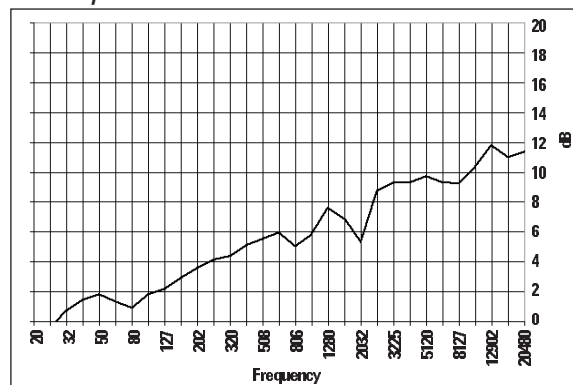
Impedance



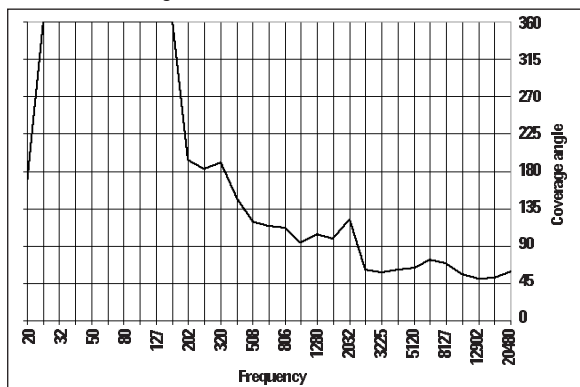
Horizontal Off-Axis Transfer Function



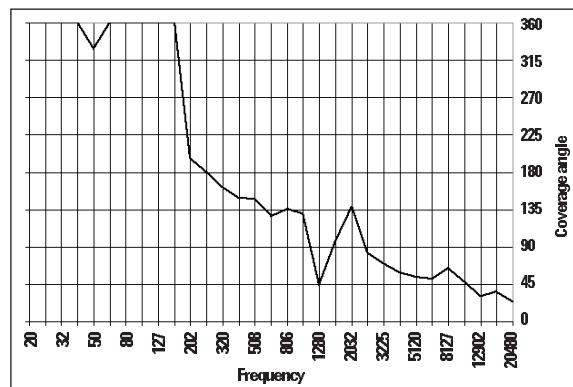
Directivity Index



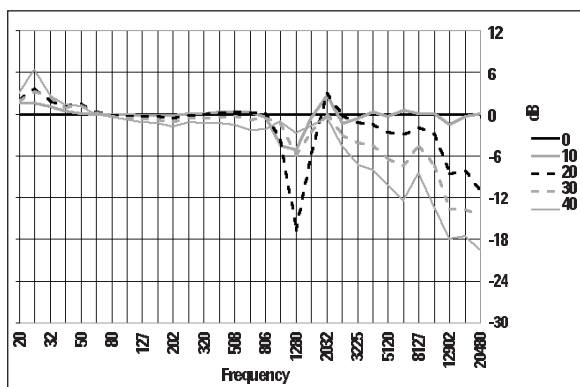
Horizontal Coverage (-6dB)



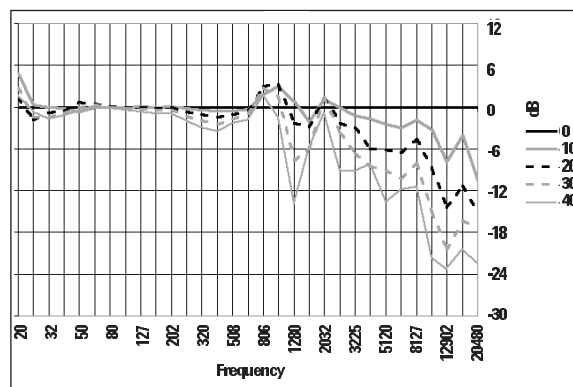
Vertical Coverage (-6dB)



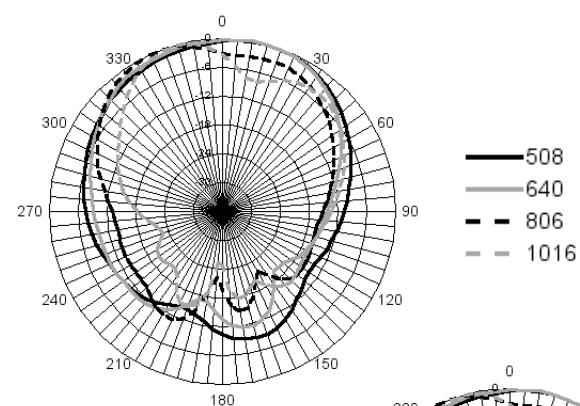
Vertical Off-Axis Transfer Function UP



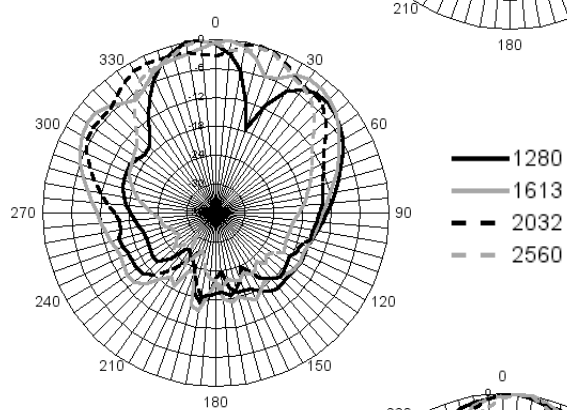
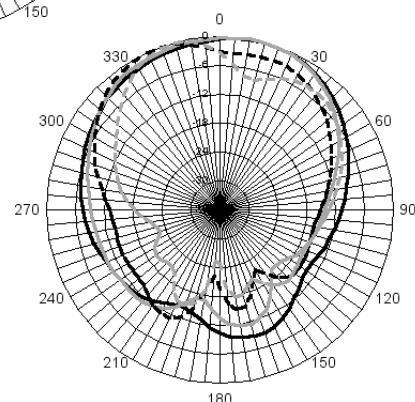
Vertical Off-Axis Function DOWN



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

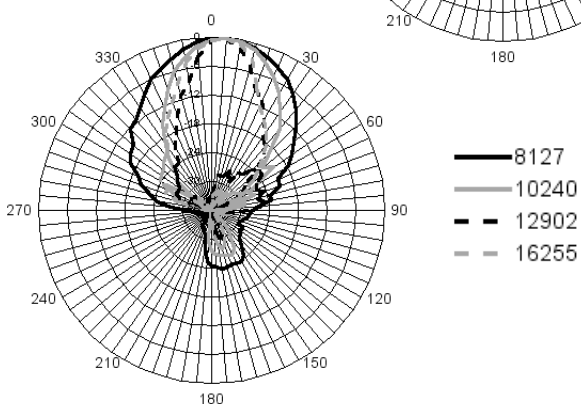
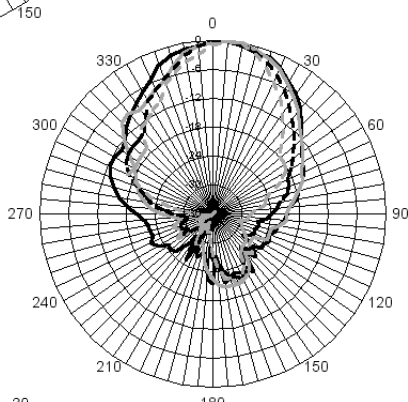


— 508  
— 640  
- - 806  
- - 1016



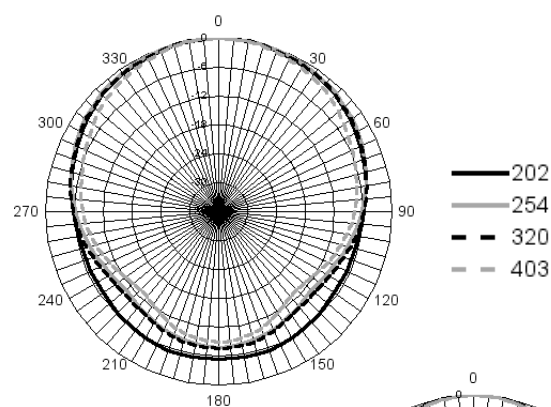
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— 1613  
- - 2032  
- - 2560

— 3225  
— 4064  
- - 5120  
- - 6451



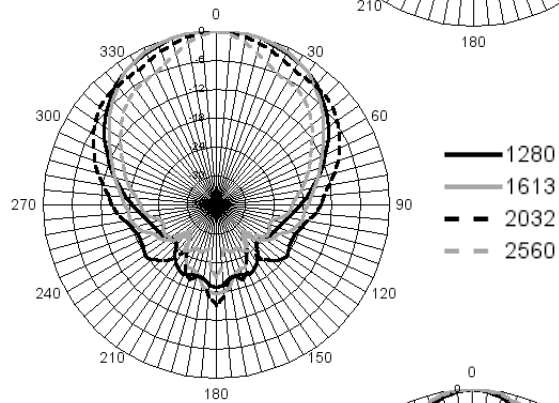
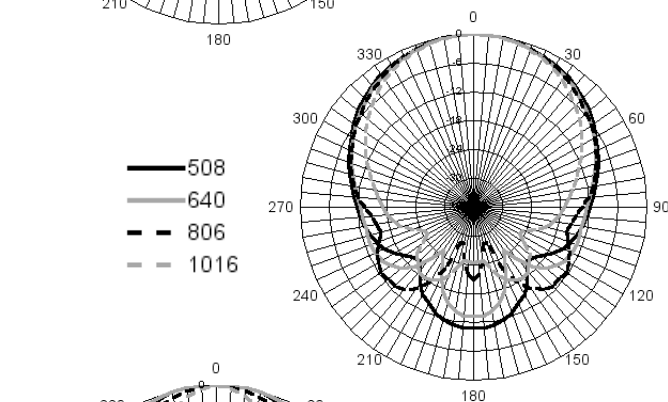
— 8127  
— 10240  
- - 12902  
- - 16255

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



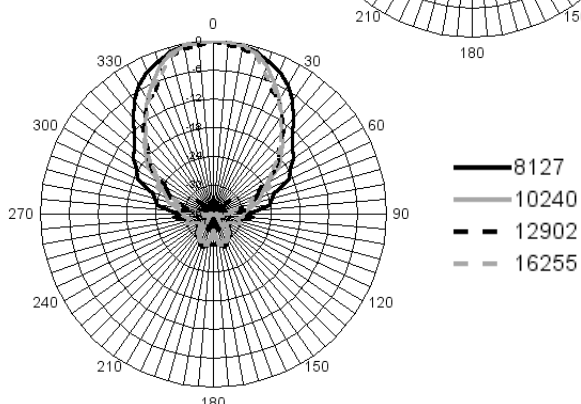
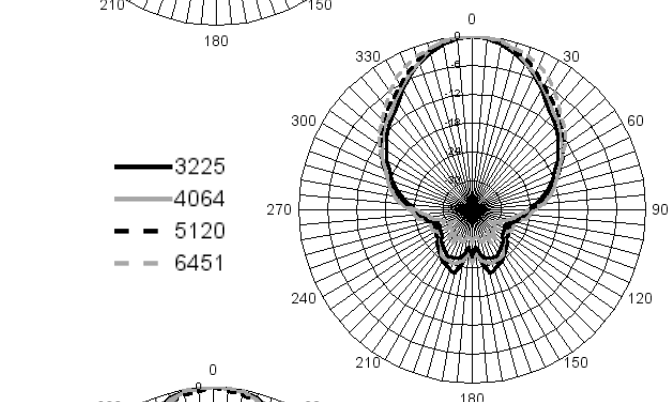
— 202  
— 254  
- - 320  
- - 403

— 508  
— 640  
- - 806  
- - 1016



— 1280  
— 1613  
- - 2032  
- - 2560

— 3225  
— 4064  
- - 5120  
- - 6451



— 8127  
— 10240  
- - 12902  
- - 16255

# Architectural Specifications

The KI-262 compact high power loudspeaker system shall include a 12" (304.8mm) K-42-KP low-frequency transducer utilizing a 2.5" (63.5mm) voice coil and 77-ounce (2.18kg) magnet, and a high-frequency K-52-TI 1.5" (38.1mm) titanium diaphragm, 20-ounce (622g) magnet compression driver mounted on a 60° X 40° heavy-duty, injection molded 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 12.5kHz,  $\pm 4$ dB, with the -10dB point at 64Hz, measured at three meters, half-space anechoic. The high frequency dispersion angle shall be 60° horizontal by 40° vertical nominal (refer to graph). Directivity shall be 9dB (refer to graph). Sensitivity shall be 102dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 250 watts (41.5 volts), to AES standards, continuous pink noise, 50Hz to 10kHz, 6dB peaks. Maximum continuous output at one meter shall be 125dB SPL. Nominal impedance shall be 8 ohms, with 6.9 ohms minimum at 195Hz.

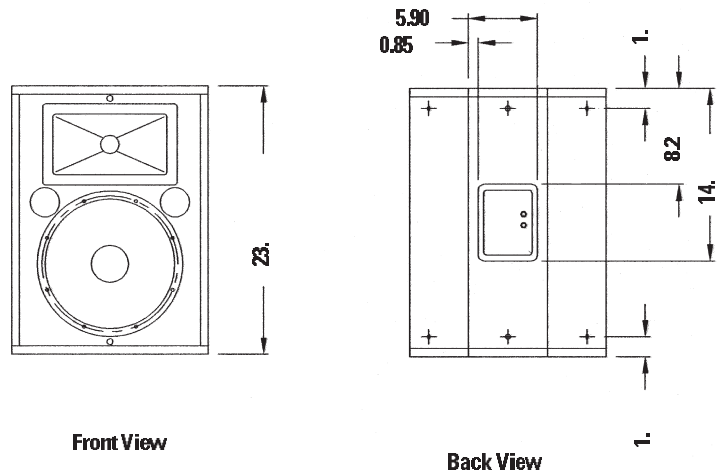
The internal passive crossover frequency shall be 1.4kHz, with slopes of 12dB/octave for the low frequency and 18dB/octave for the high frequency. The crossover may be modified for bi-amp application by cutting two easy-access internal wires. Signal connections shall be made via two parallel-wired Neutrik NL-4 Speakon panel mount jacks.

The enclosure panels shall be CNC-fabricated, 18mm, 13-ply Baltic Birch void-free plywood, assembled utilizing rabbet and dado joinery. The motorboard baffle shall be 1" (2.54cm) 11-ply birch plywood. Dimensions for the enclosure shall be 23" (58.42cm) high by 13.375" (33.973cm) deep by 16.813" (42.705cm) front width and 6.813" (17.305cm) rear width in a symmetrical trapezoidal shape, with both side panels angled at 22.5°. Net weight shall be 47 lbs. (21.338kg). The top and bottom panels shall be radiused, with a curved metal perforated grille for structural integrity and protection of the transducers from impact and tampering.

Enclosure flying capability shall be provided via 12 internal  $\frac{3}{8}$ " 16-thread mounting points, three per top, bottom and both sides, with commercially available rigging bar compatibility.

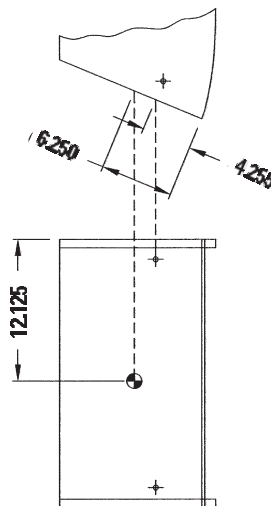
The enclosure finish shall be lacquer-based primer and lacquer-based texture, with a black or white finish. The enclosure shall also be available unfinished in raw birch.

The system shall be a Klipsch KI-262 loudspeaker.

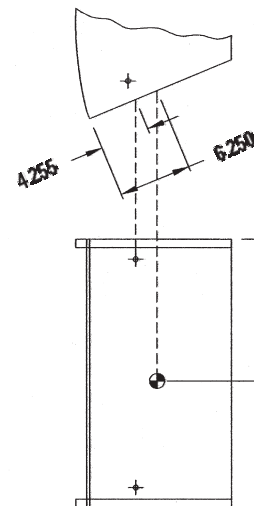


Front View

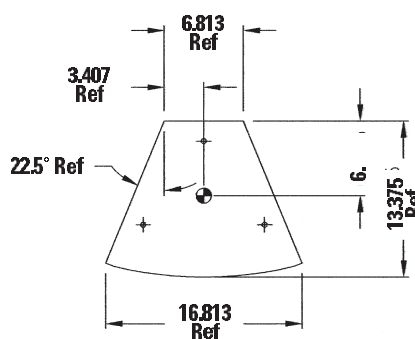
Back View



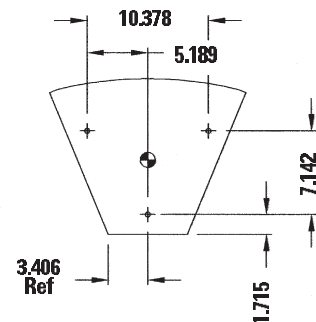
Left Side View



Right Side View



Top View



Bottom View

- ⊙ This symbol represents the center of gravity.
- + This symbol indicates mounting point,  $\frac{3}{8}$ -16 UNC threaded hole.



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