

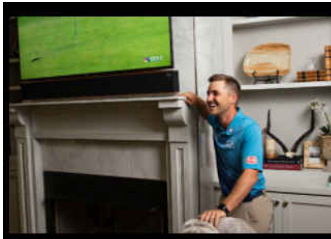


Professional Installer products Distributed Audio 2020

SOUND POWERFUL | LEGENDÄRER SOUND.

KLIPSCH PROFESSIONAL

You're in need of concert-quality, commercial-grade audio solutions. Klipsch Professional series speakers are built to last and are backed by more than 70 years of Klipsch signature acoustic technology. Whether it's for cinema, permanent installation or distributed audio, Klipsch Professional series systems will bring your business to an entirely new level.



KI-102-SMA-II

COMPACT TRAPEZOIDAL 8" 2-WAY LOUDSPEAKER



Klipsch®

KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET



PRODUCT OVERVIEW

The KI-102-SMA-II is a horn-loaded, two-way trapezoidal loudspeaker system capable of superb voice and music performance in permanent limited-space installations. It is recommended for use in restaurants, clubs, schools, houses of worship, health clubs, and corporate A/V production environments where fidelity requirements are high but real estate is limited.

The enclosure is constructed using CNC fabrication techniques, dado "lock-tab" and rabbet-joint construction. This contributes to industry leading reliability, maximum precision and ruggedness, and a cabinet remarkably free from resonance and cabinet-induced coloration. Mounting capabilities include top and bottom attachments for the optional SB-102 Mounting "U"-shaped bracket.

FEATURES

- Compact 22.5° symmetrical trapezoidal design
- 115dB maximum continuous output
- 8" woofer and 1" titanium diaphragm high-frequency compression driver
- 90° X 90° modified Tractrix Horn
- KLIP-circuit HF driver protection devices
- Top/Bottom attachments for optional Klipsch SB-102 U-shaped bracket
- Available in Black, White or Raw MDF finish

APPLICATIONS

- Restaurants
- Schools
- Houses of worship
- Health clubs
- AV production environments
- Auditoriums

ALSO AVAILABLE

KI-102-T-SMA-II
60W / 70 Volt Transformer Version

DESIGNED AND MADE IN THE USA

USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's KI series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	88 Hz - 17 kHz (-10 dB @ 56 Hz)
POWER HANDLING²	200 watts (31V) 800 watts peak
MAXIMUM SPL³	115 dB Continuous 121 dB Peak
SENSITIVITY⁴	95 dB
COVERAGE	Horizontal: 90° +/- 20° 2.1 kHz - 19 kHz Vertical: 90° +/- 30° 2.5 kHz - 19 kHz
DIRECTIVITY INDEX (DI)	7 dB +/- 1 dB 1 kHz - 17 kHz
DIRECTIVITY FACTOR (Q)	5
NOMINAL IMPEDANCE	8 ohms, minimum 4.9 ohms @ 184 Hz
OVERLOAD PROTECTION	KLIP Overload Protection Circuit-HF
CROSSOVER FREQUENCY	2 kHz
COMPONENTS	One K-81-ST 8" woofer One K-103-TI-KP 1" titanium compression driver on a K-802-M horn
INPUT CONNECTION	Two point barrier strip
MOUNTING OPTIONS	2 screw: 1/4" x 20 Machine screw for SB-102 Bracket
ENCLOSURE MATERIAL	3/4" MDF
HEIGHT	18.9" (48.00cm)
WIDTH	11.6" (29.46cm) front 4.2" (10.67cm) rear
DEPTH	9.3" (23.77cm)
WEIGHT	24 lbs. (10.90kg)
FINISHES	Black, White and Raw MDF
ACCESSORIES	SB-102 Mounting Bracket

WITH SB-102 MOUNTING BRACKET



¹ 3M, Half-spaced anechoic
² AES standard, continuous pink noise, 6 dB peaks
³ Calculated at 1M half-spaced at power handling power input
⁴ SPL at 1M, half-spaced anechoic with 2.83V input

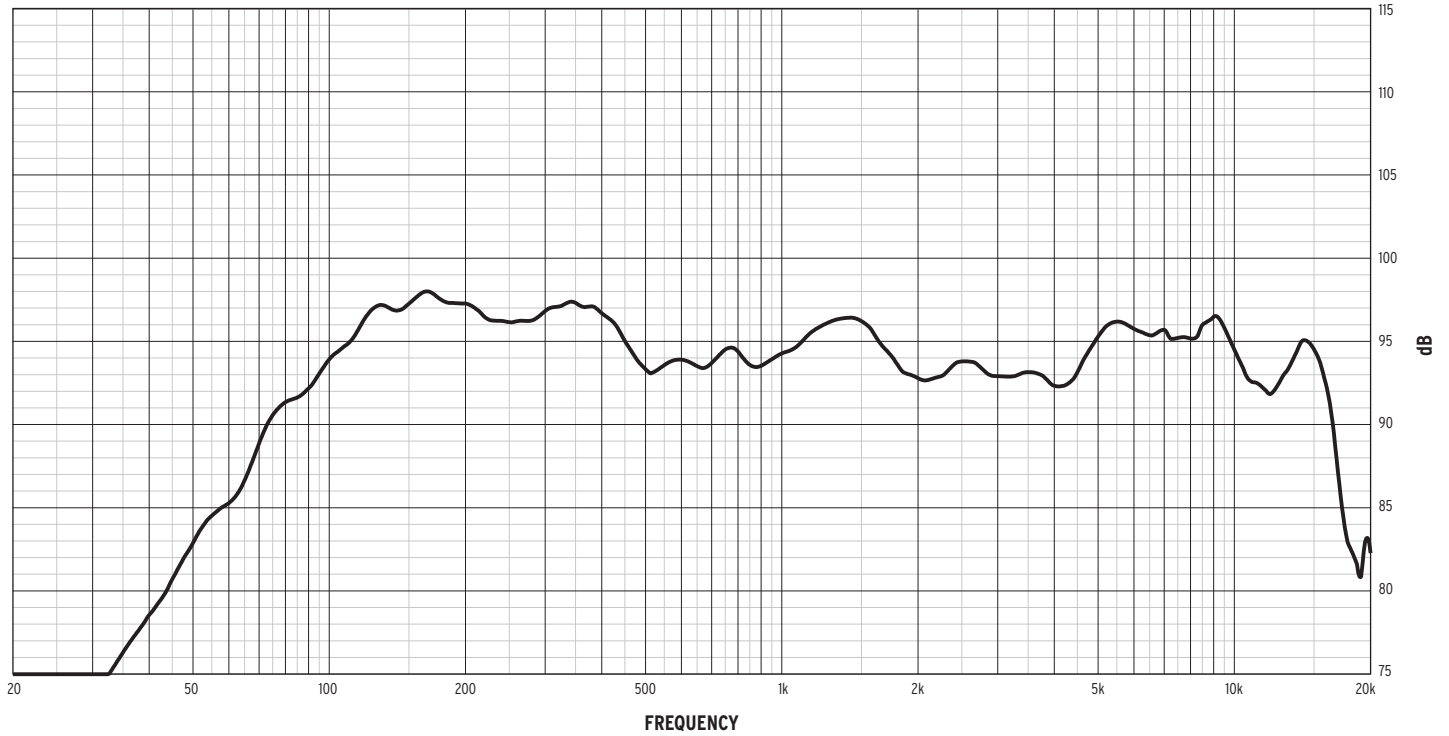
KI-102-SMA-II

COMPACT TRAPEZOIDAL 8" 2-WAY LOUDSPEAKER

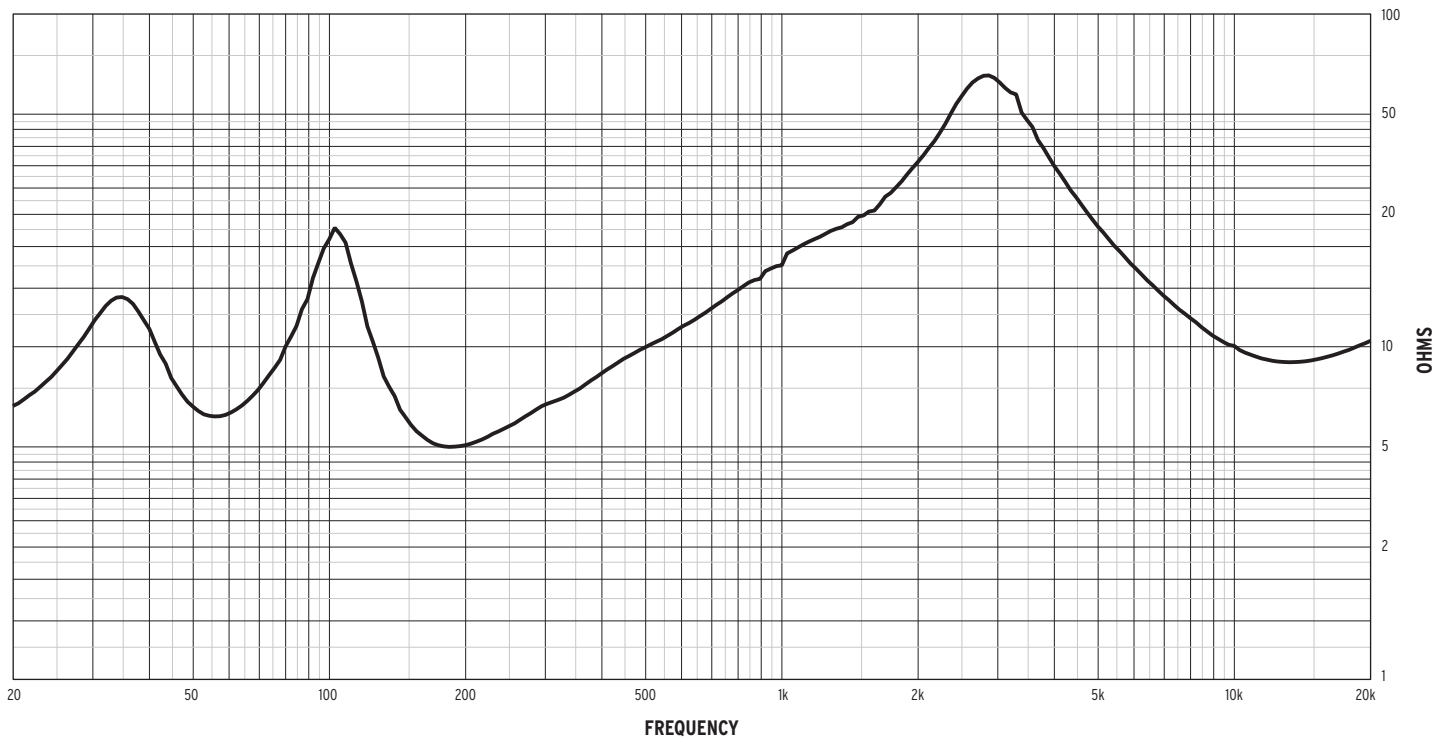


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

FREQUENCY RESPONSE



IMPEDANCE



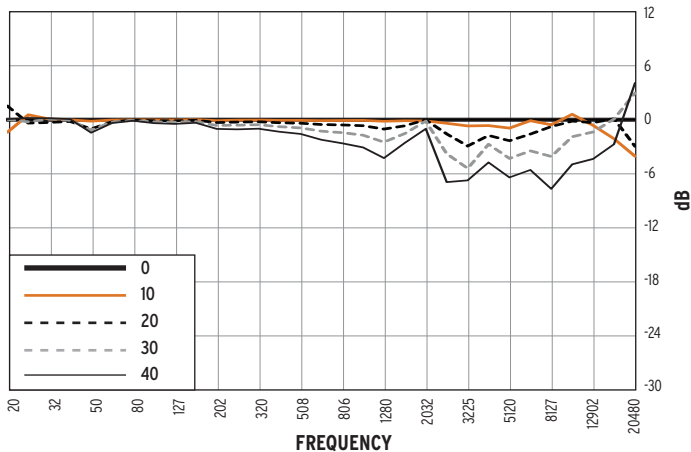
KI-102-SMA-II

COMPACT TRAPEZOIDAL 8" 2-WAY LOUDSPEAKER

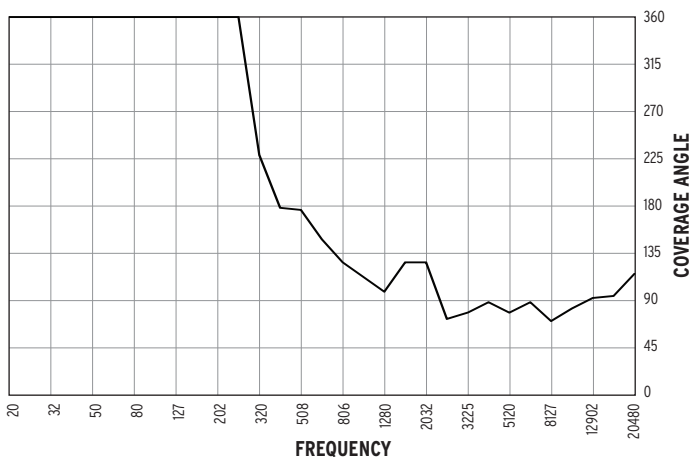


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

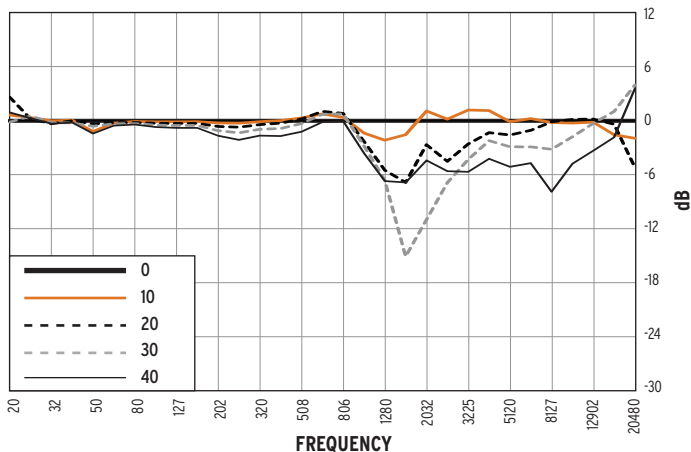
HORIZONTAL OFF AXIS TRANSFER FUNCTION



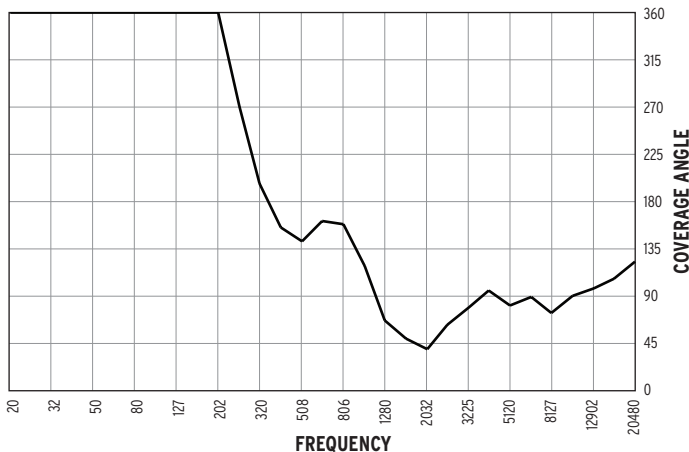
HORIZONTAL COVERAGE (-6dB)



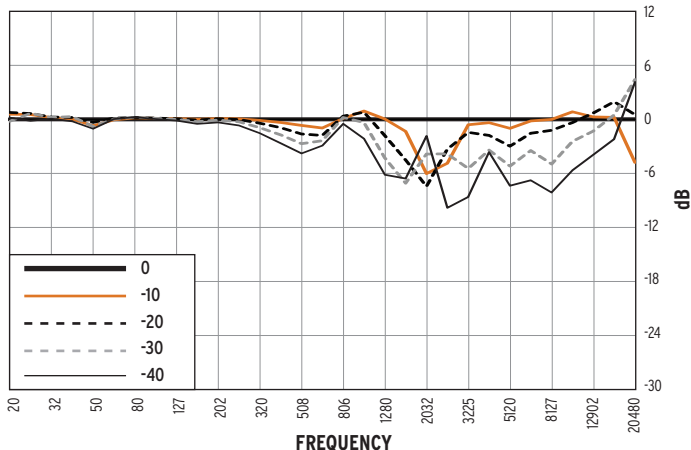
VERTICAL OFF AXIS TRANSFER FUNCTION UP



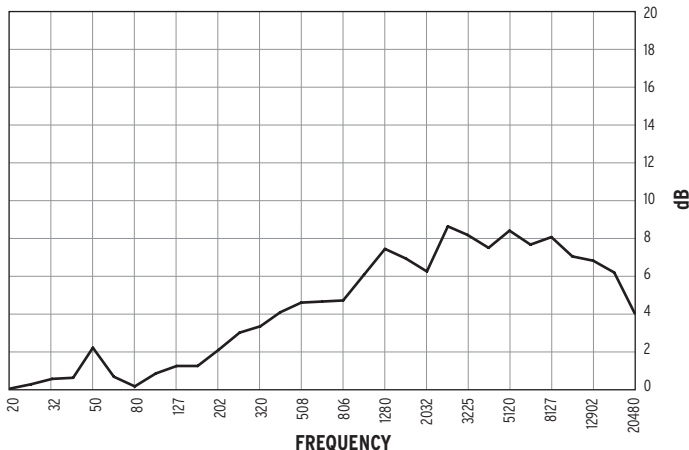
VERTICAL COVERAGE (-6dB)



VERTICAL OFF AXIS TRANSFER FUNCTION DOWN



DIRECTIVITY INDEX



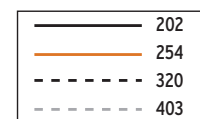
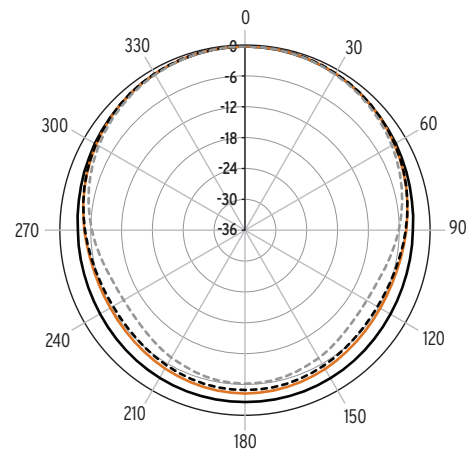
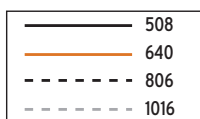
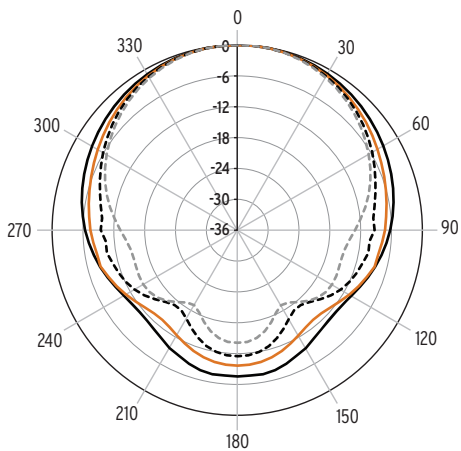
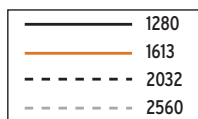
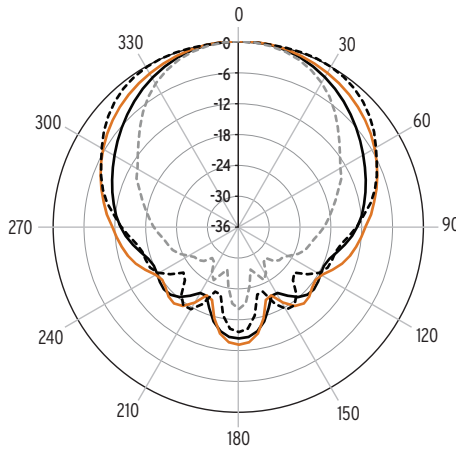
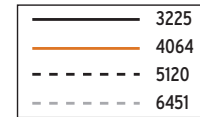
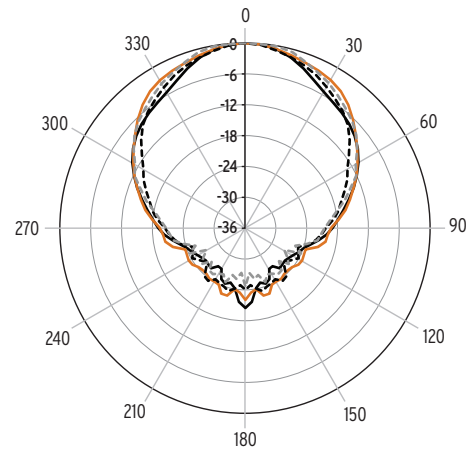
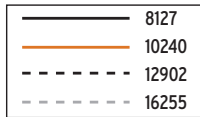
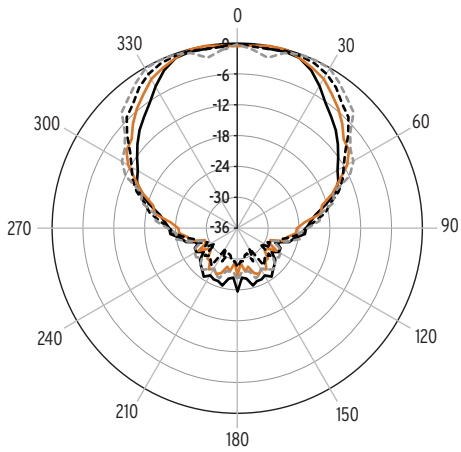
KI-102-SMA-II

COMPACT TRAPEZOIDAL 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

HORIZONTAL 1/3 OCTAVE POLARS



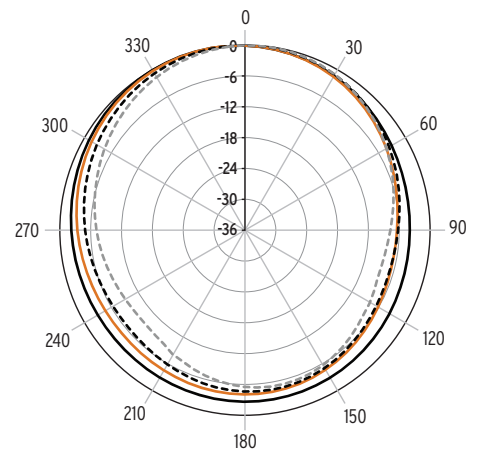
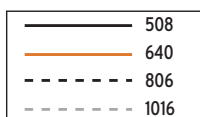
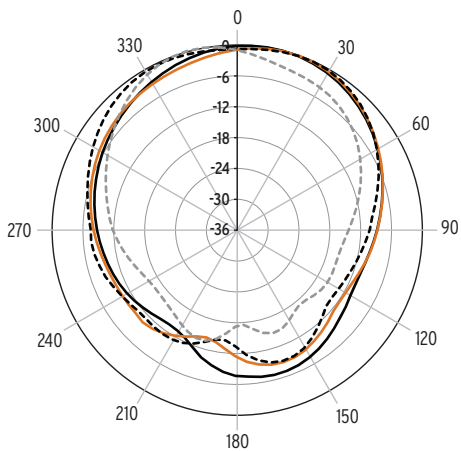
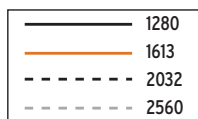
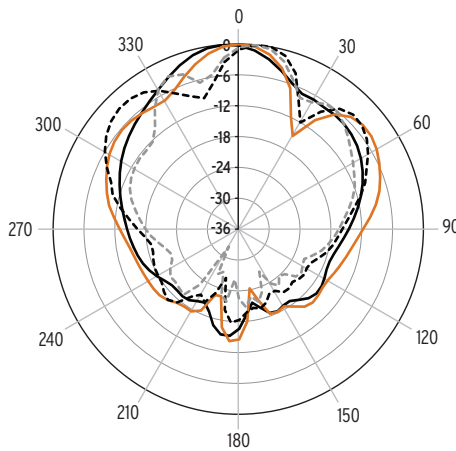
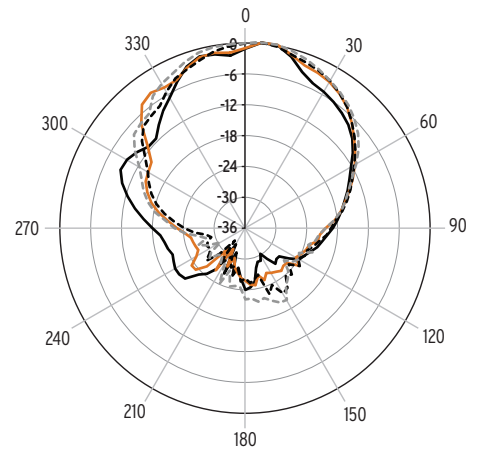
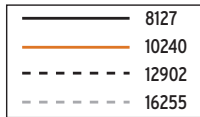
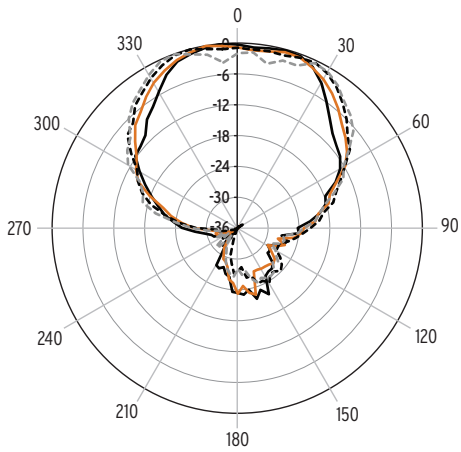
KI-102-SMA-II

COMPACT TRAPEZOIDAL 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

VERTICAL 1/3 OCTAVE POLARS



KI-102-SMA-II

COMPACT TRAPEZOIDAL 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ARCHITECTURAL SPECIFICATIONS

The KI-102-SMA-II compact high power loudspeaker system shall include an 8" (203.2mm) K-81-ST low-frequency transducer utilizing a 2" (50.8mm) diameter voice coil, 30-ounce (850.5g) magnet and motor magnet assembly and a K-103-TI-KP 1" (25.4mm) titanium diaphragm high-frequency 4.7-ounce (133.2g) magnet compression driver mounted on a 90° X 90°, heavy duty, injected 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 88Hz to 17kHz, +/- 3dB, with the -10dBpoint at 56Hz, measured at three meters, half-space anechoic. The dispersion angle shall be 90° X 90° nominal. Directivity Index shall be 7dB. Sensitivity shall be 95dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 200 watts (31 volts), to AES standards, continuous pink noise, 60Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 115dB SPL. Nominal impedance shall be 8 ohms, with 4.9 ohms minimum at 184Hz. 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 two point barrier strip.

The enclosure panels shall be CNC-fabricated, 3/4" MDF, assembled utilizing rabbet and dado joinery. Dimensions for the enclosure shall be 18.9" (48.0cm) high by 9.3" (23.77cm) deep by 11.6" (29.46cm) front width and 4.2" (10.67cm) rear width in a symmetrical trapezoid shape, with both side panels angled at 22.5 degrees. Net weight shall be 24lbs (10.90kg).

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

Enclosure mounting shall be via internal top and bottom 3/4"-20 T-nuts for the accessory Klipsch SB-102 "C"-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.

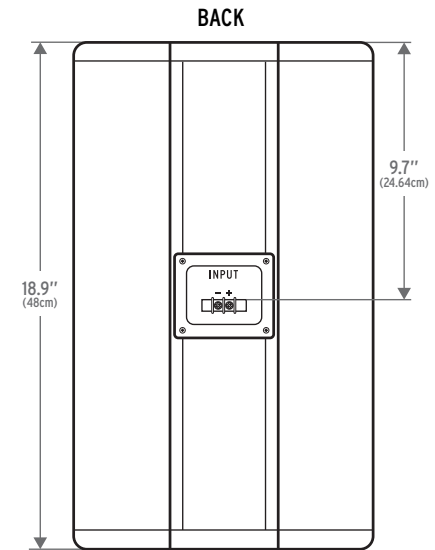
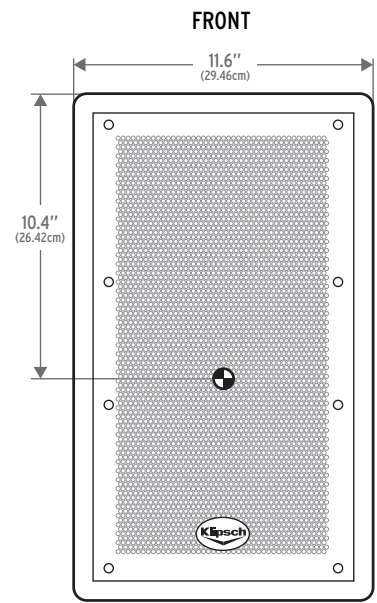
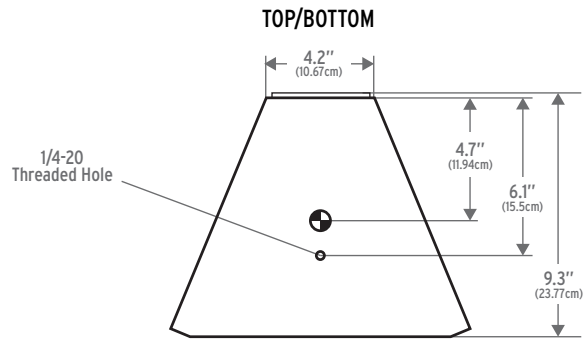
The system shall be a Klipsch KI-102-SMA-II loudspeaker.

NEED HELP WITH YOUR PRO SYSTEM DESIGN?

You need to make the best impression, from the initial job quote through the completed installation. We can help choose the best Klipsch speakers for the application and help design a system that unleashes your venue's full potential.

Send us you plans or questions to us at:

PROSYSTEMDESIGN@KLIPSCH.COM



KI-102-SMA-II

COMPACT TRAPEZOIDAL 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

KI-102-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1061960	KI-102-B-SMA-II	Black	1	Standard 8 ohm speaker	743878027921
1061961	KI-102-W-SMA-II	White	1	Standard 8 ohm speaker	743878029147
1061962	KI-102-R-SMA-II	Raw MDF	1	Standard 8 ohm speaker	743878029123

KI-102-T-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062000	KI-102-BT-SMA-II	Black	1	Standard 8 ohm speaker 60W / 70V Transformer	743878027938
1062006	KI-102-WT-SMA-II	White	1	Standard 8 ohm speaker 60W / 70V Transformer	743878029154
1062007	KI-102-RT-SMA-II	Raw MDF	1	Standard 8 ohm speaker 60W / 70V Transformer	743878029130

SB-102 BRACKET

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062964	SB-102	Black	1	U-Bracket for all KI-102-SMA-II models	743878030006
1062951	SB-102	White	1		743878030013

KI-102-SMA-II CARTON DIMENSIONS

HEIGHT	20.9" (53.09cm)
WIDTH	13" (33.02cm)
DEPTH	13" (33.02cm)

KI-102-T-SMA-II CARTON DIMENSIONS

HEIGHT	20.9" (53.09cm)
WIDTH	13" (33.02cm)
DEPTH	13" (33.02cm)

SB-102 CARTON DIMENSIONS

HEIGHT	2.75" (7cm)
WIDTH	8.7" (22.1cm)
DEPTH	19.7" (50cm)
WEIGHT	2 lbs. (0.91kg)

ORDERING INFORMATION

KI-172-SMA-II

COMPACT MULT-ANGLE 8" 2-WAY LOUDSPEAKER



Klipsch

KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET



PRODUCT OVERVIEW

The KI-172-SMA-II is a compact, two-way, high performance loudspeaker with sides slanted at 65° and 45°. Designed to be installed where placement at an angle is required and space is limited, the KI-172-SMA-II is perfect for wall, ceiling or under-balcony mounting in theaters, churches, schools and clubs, or for slanted floor or shelf monitor use near altars and podiums, or in board and meeting rooms.

The 3/4" MDF enclosure uses dado "lock-joint" and rabbet construction on CNC-fabricated panels to ensure resonance-free response and long-term reliability. The internal high-current passive crossover features the proprietary high-power thermal overload KLIP- circuit, which limits potential damage to the high-frequency driver. A standard two point barrier strip provides connections from full-range signal sources up to 100 watts.

FEATURES

- Compact with sides slanted at 65° and 45°
- Excellent for placement at an angle or tight spaces
- 8" woofer and 1" titanium diaphragm high-frequency compression driver
- 90° X 90° modified Tractrix® Horn
- KLIP-circuit HF driver protection devices
- Top/Bottom attachments for optional Klipsch SB-102 U-shaped bracket
- Available in Black, White or Raw MDF finish

APPLICATIONS

- Restaurants
- Schools
- Houses of worship
- Under balcony
- AV production environments
- Auditoriums

DESIGNED AND MADE IN THE USA USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's KI series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	74 Hz - 17 kHz (-10 dB @ 48 Hz)
POWER HANDLING²	200 watts (31V) 800 watts peak
MAXIMUM SPL³	115 dB Continuous 121 dB Peak
SENSITIVITY⁴	95 dB
COVERAGE	Horizontal: 90° +/- 30° 2.5 kHz - 20 kHz Vertical: 90° +/- 20° 2.1 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	7 dB +/- 1.5 dB 900 Hz - 18 kHz
DIRECTIVITY FACTOR (Q)	5
NOMINAL IMPEDANCE	8 ohms, minimum 4.7 ohms @ 184 Hz
OVERLOAD PROTECTION	KLIP Overload Protection Circuit-HF
CROSSOVER FREQUENCY	2 kHz
COMPONENTS	One K-81-ST 8" woofer One K-103-TI-KP 1" titanium compression driver on a K-802-M horn
INPUT CONNECTION	Two point barrier strip
MOUNTING OPTIONS	4 - 1/4" - 20 for Mounting Bracket 2 - 1/4" - 20 for SB-102 Bracket
ENCLOSURE MATERIAL	3/4" MDF
HEIGHT	11.5" (29.27cm)
WIDTH	18.9" (48.00cm)
DEPTH	10.6" (26.92cm)
WEIGHT	27 lbs. (12.24kg)
FINISHES	Black, White and Raw MDF
ACCESSORIES	SB-102 Mounting Bracket

WITH SB-102 MOUNTING BRACKET



¹ 3M, Half-spaced anechoic
² AES standard, continuous pink noise, 6 dB peaks
³ Calculated at 1M half-spaced at power handling power input
⁴ SPL at 1M, half-spaced anechoic with 2.83V input

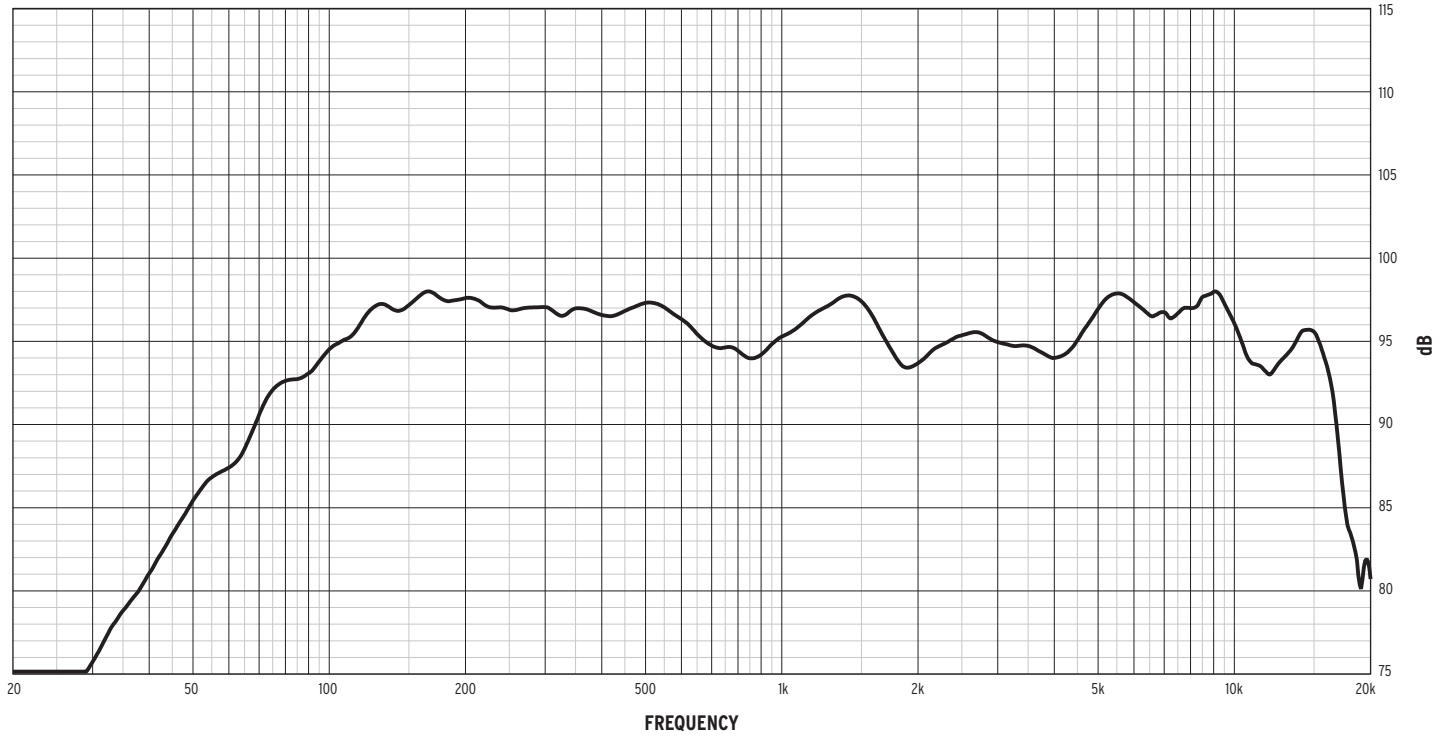
KI-172-SMA-II

COMPACT MULT-ANGLE 8" 2-WAY LOUDSPEAKER

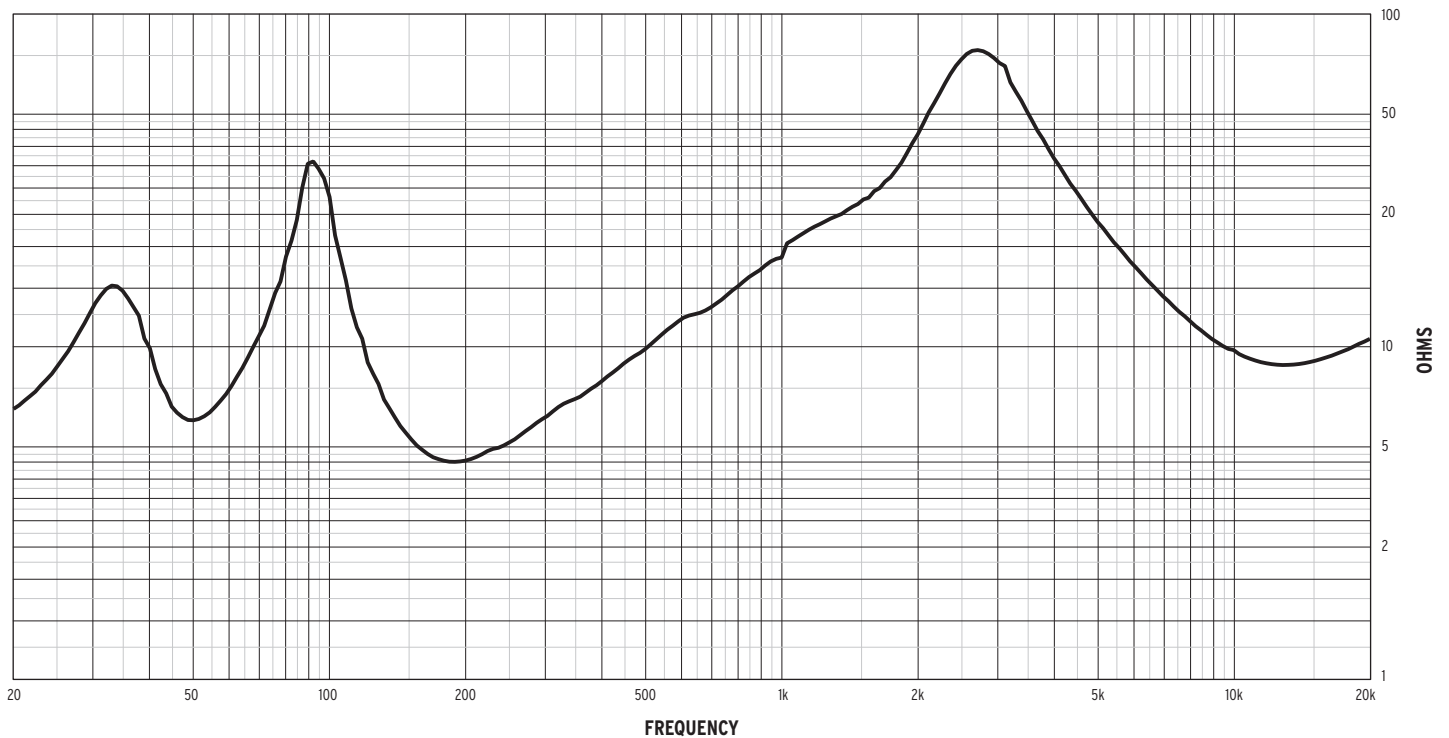


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

FREQUENCY RESPONSE



IMPEDANCE



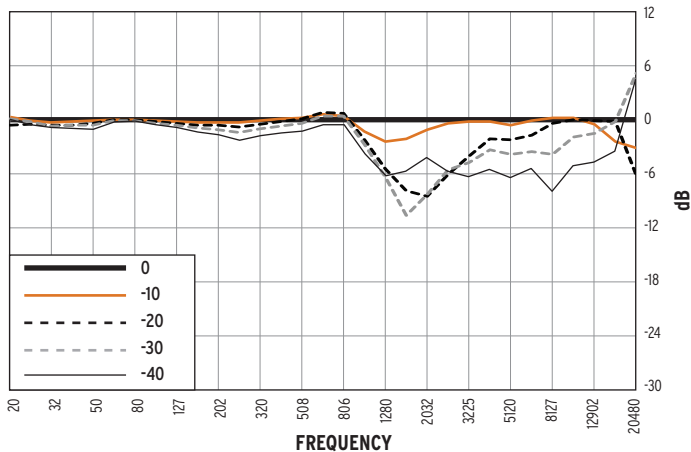
KI-172-SMA-II

COMPACT MULT-ANGLE 8" 2-WAY LOUDSPEAKER

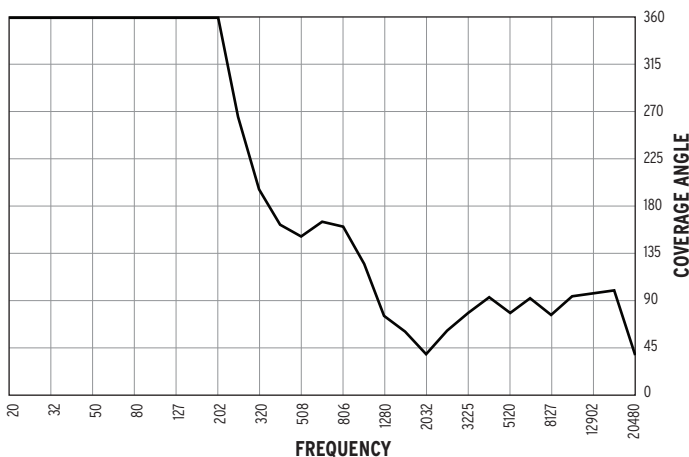


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

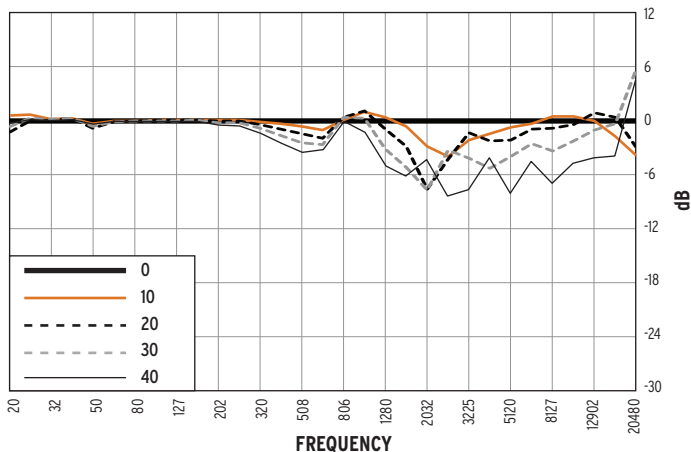
HORIZONTAL OFF AXIS TRANSFER FUNCTION LEFT



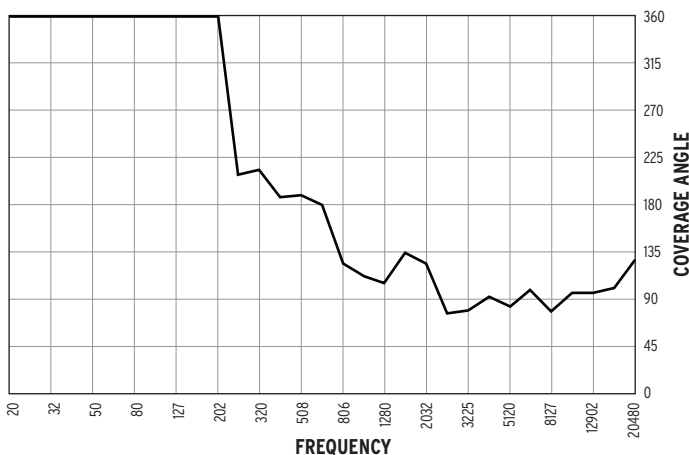
HORIZONTAL COVERAGE (-6dB)



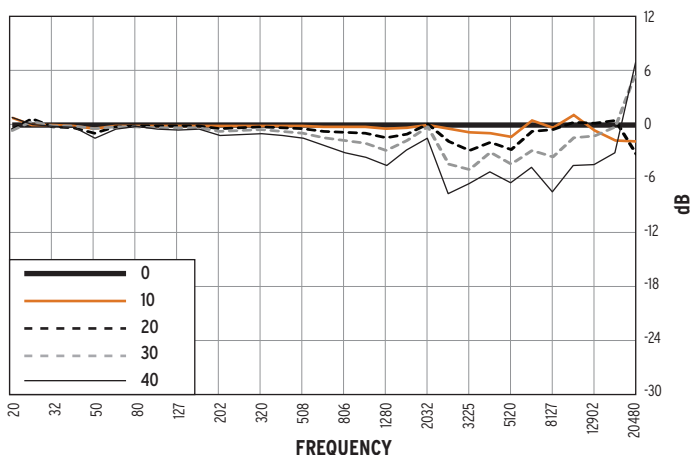
HORIZONTAL OFF AXIS TRANSFER FUNCTION RIGHT



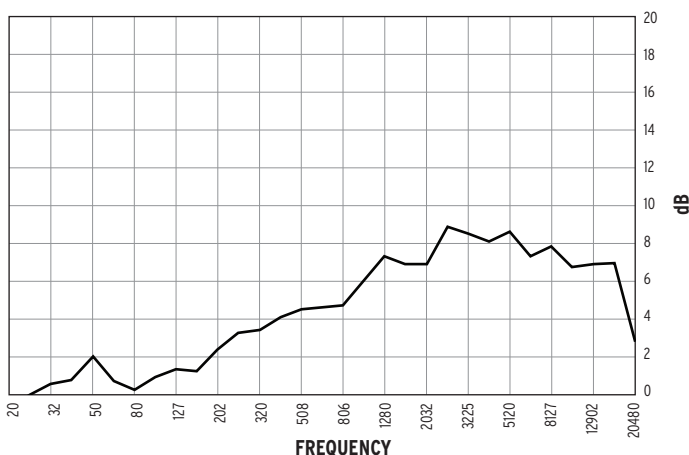
VERTICAL COVERAGE (-6dB)



VERTICAL OFF AXIS TRANSFER FUNCTION



DIRECTIVITY INDEX



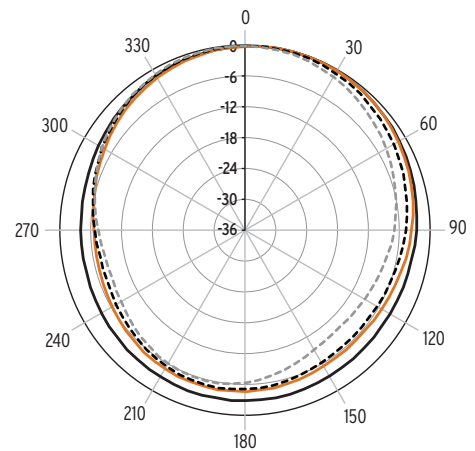
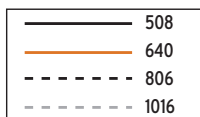
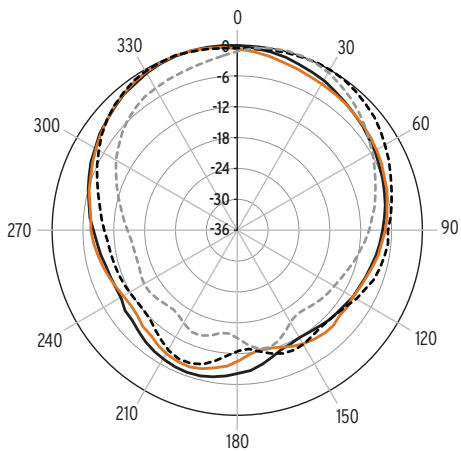
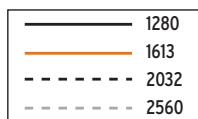
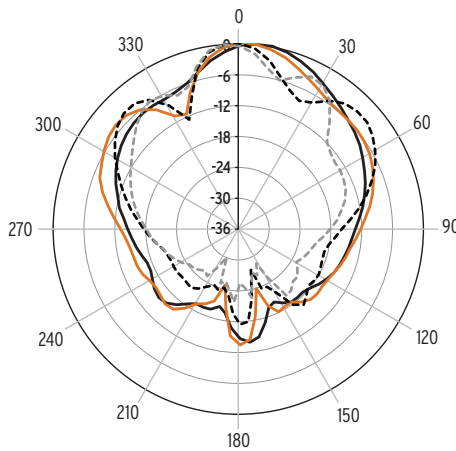
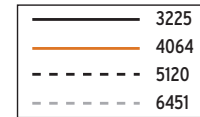
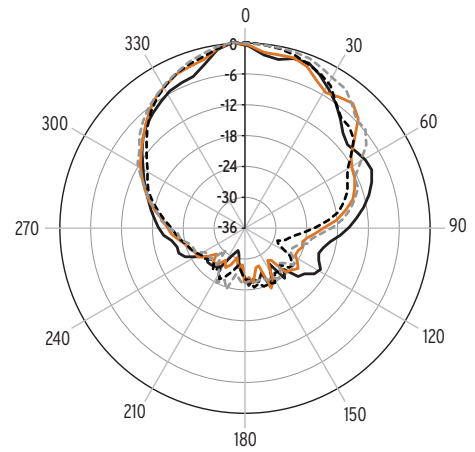
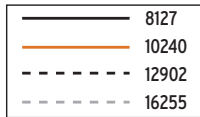
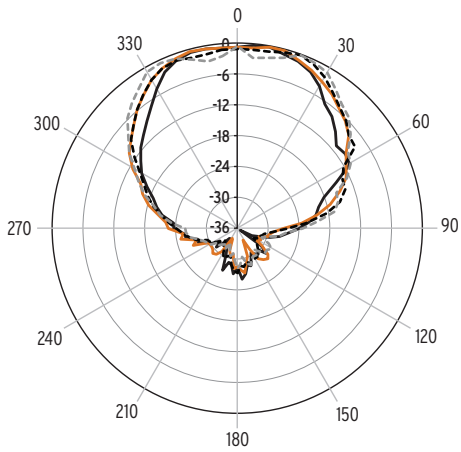
KI-172-SMA-II

COMPACT MULT-ANGLE 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

HORIZONTAL 1/3 OCTAVE POLARS



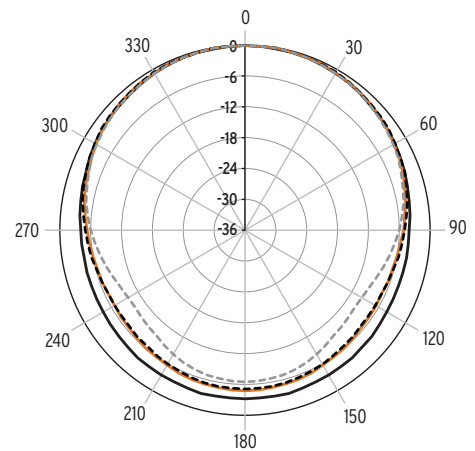
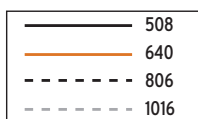
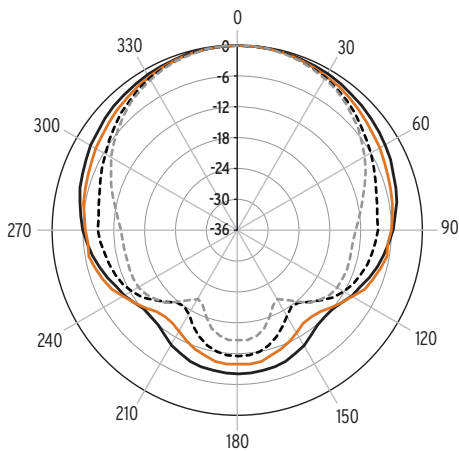
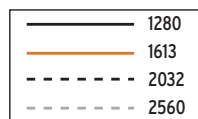
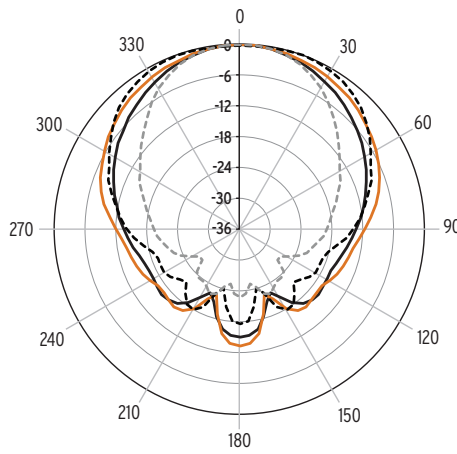
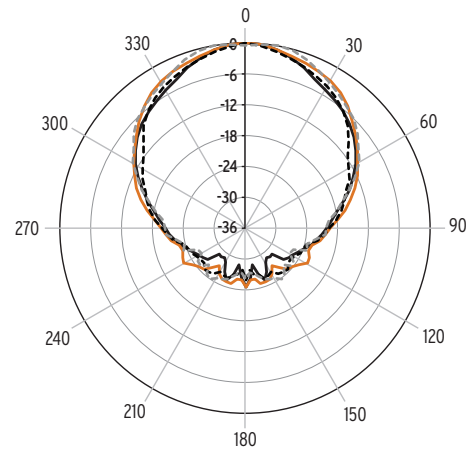
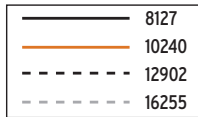
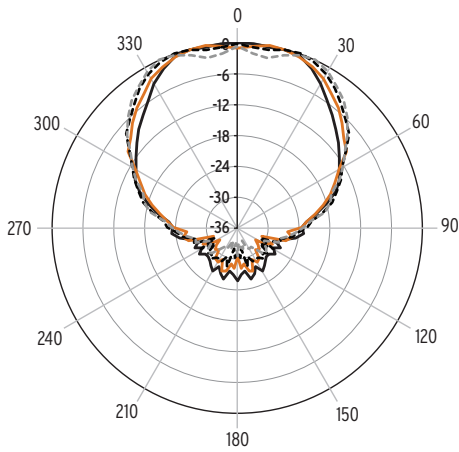
KI-172-SMA-II

COMPACT MULT-ANGLE 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

VERTICAL 1/3 OCTAVE POLARS



KI-172-SMA-II

COMPACT MULT-ANGLE 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ARCHITECTURAL SPECIFICATIONS

The KI-172-SMA-II compact, two way, high power loudspeaker system with sides slanted to 65/45 degrees is designed to be installed where placement at an angle is required and space is limited. The KI-172-SMA-II is perfect for wall, ceiling or under-balcony mounting in theaters, churches schools, and clubs or for slanted floor or shelf monitor use near altars and podiums, or in board or meeting rooms. The KI-172-SMA-II shall include an 8" (203.2mm) K-81-ST low-frequency transducer utilizing a 2" (50.8mm) diameter voice coil, 30-ounce (850.5g) magnet and motor magnet assembly and a K-103-TI-KP 1" (25.4mm) titanium diaphragm high-frequency 4.7-ounce (133.2g) magnet compression driver mounted on a 90° X 90°, heavy duty, injected 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 74 Hz to 17 kHz, +/-3 dB, with the -10 dB point at 48Hz, measured at three meters, half-space anechoic. The high-frequency dispersion angle shall be 90° X 90° nominal. Directivity Index shall be 7 dB. Sensitivity shall be 95dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 200 watts (31 volts), to AES standards, continuous pink noise, 60Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 115dB SPL. Nominal impedance shall be 8 ohms, with 4.7 ohms minimum at 184Hz.

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 two point barrier strip.

The enclosure panels shall be CNC-fabricated, 3/4" MDF, assembled utilizing rabbet and dado joinery. Dimensions for the enclosure shall be 11.5" (29.27cm) high by 10.6" (26.92 m) deep by 18.9" (48.00cm) width in a 45/65 degree asymmetrical angled box. Net weight shall be 27lbs (12.24kg).

A flat metal perforated grille on the cabinet front is 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 "C"-shaped bracket, plus pre-drilled holes for Omni-mount 100 series adjustable brackets, provide flexible mounting and positioning capabilities. 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.

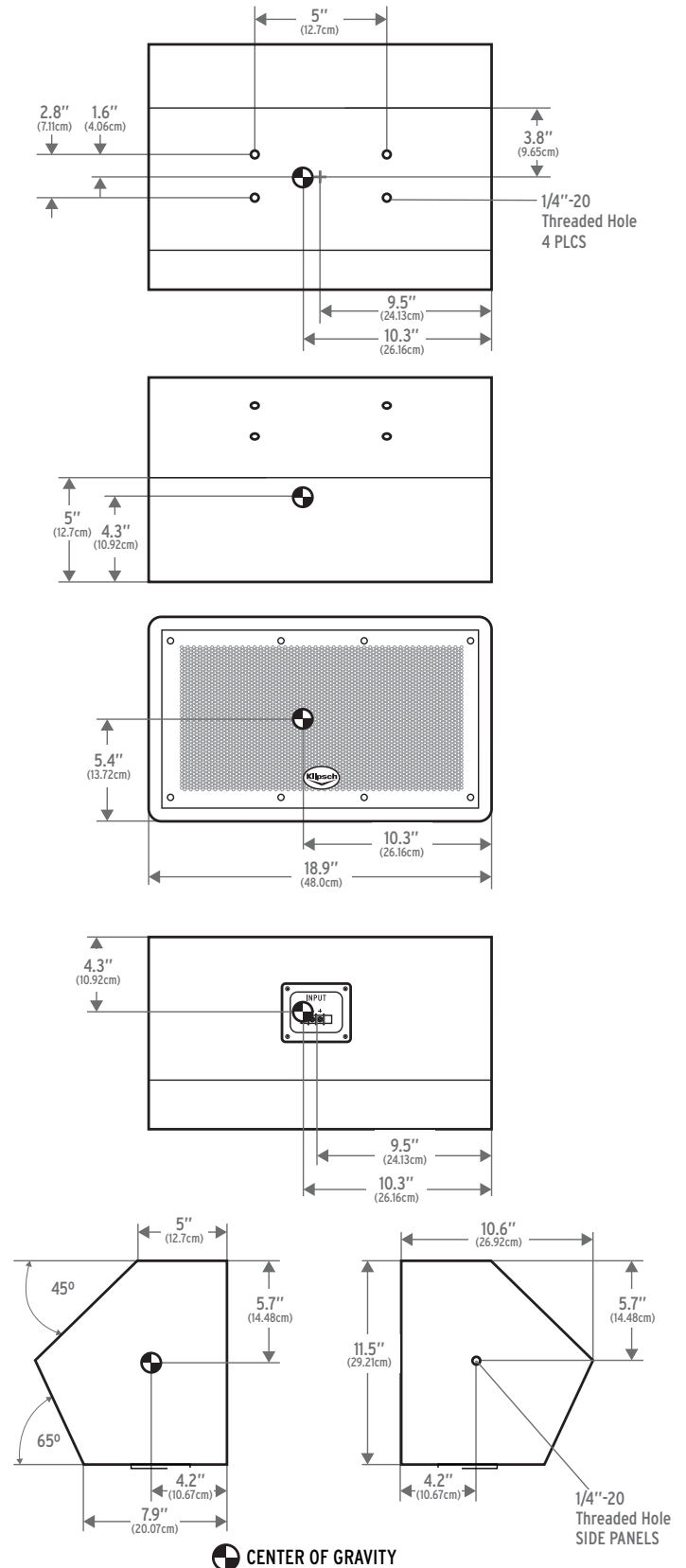
The system shall be a Klipsch KI-172-SMA-II loudspeaker.

NEED HELP WITH YOUR PRO SYSTEM DESIGN?

You need to make the best impression, from the initial job quote through the completed installation. We can help choose the best Klipsch speakers for the application and help design a system that unleashes your venue's full potential.

Send us you plans or questions to us at:

PROSYSTEMDESIGN@KLIPSCH.COM



KI-172-SMA-II

COMPACT MULT-ANGLE 8" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ORDERING INFORMATION

KI-172-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062008	KI-172-B-SMA-II	Black	1	Standard 8 ohm speaker	743878027945
1062009	KI-172-W-SMA-II	White	1	Standard 8 ohm speaker	743878029192
1062010	KI-172-R-SMA-II	Raw MDF	1	Standard 8 ohm speaker	743878029185

SB-102 BRACKET

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062964	SB-102	Black	1	U-Bracket for all KI-172-SMA-II models	743878030006
1062951	SB-102	White	1		743878030013

KI-172-SMA-II CARTON DIMENSIONS

HEIGHT	20.9" (53.09cm)
WIDTH	13" (33.02cm)
DEPTH	13" (33.02cm)

SB-102 CARTON DIMENSIONS

HEIGHT	2.75" (7cm)
WIDTH	8.7" (22.1cm)
DEPTH	19.7" (50cm)
WEIGHT	2 lbs. (0.91kg)

KI-262-SMA-II

TRAPEZOIDAL 12" 2-WAY LOUDSPEAKER



Klipsch®

KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET



PRODUCT OVERVIEW

The KI-262-SMA-II two-way trapezoidal loudspeaker is ideally suited for applications where small size, uniform power response and ease of installation contribute to a quality sound solution. The Tractrix® horn loaded KI-262-SMA-II is recommended for use in theaters, auditoriums, clubs, churches, and A/V production environments.

Able to hang using 16 built-in 3/8" 16-thread fly points the KI-262-SMA-II provides the coverage control, fidelity, and reliability expected from Klipsch professional loudspeakers. The plywood enclosure uses dado "lock-joint" and rabbit construction techniques on CNC-fabricated panels for long-term reliability and ruggedness.

FEATURES

- Compact 22.5° symmetrical trapezoidal design
- Internal high current full-range crossover
- 12" woofer and 1.75" titanium diaphragm high-frequency compression driver
- 16 suspension points
- 60° X 40° Modified Tractrix horn for tight pattern control
- KLIP-circuit HF driver protection devices
- Available in Black, White or Raw Birch finish

APPLICATIONS

- Restaurants
- Health clubs
- Schools
- AV production environments
- Houses of worship
- Auditoriums

DESIGNED AND MADE IN THE USA

USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's KI series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	71 Hz - 20 kHz (-10 dB @ 57 Hz)
POWER HANDLING²	300 watts (35V) 1200 watts peak
MAXIMUM SPL³	121 dB Continuous 127 dB Peak
SENSITIVITY⁴	100 dB
COVERAGE	Horizontal: 60° +/- 15° 2 kHz - 20 kHz Vertical: 40° +/- 20° 4 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	9 dB +/- 2 dB 2 kHz - 20 kHz
DIRECTIVITY FACTOR (Q)	7.9
NOMINAL IMPEDANCE	8 ohms, minimum 4.1 ohms @ 152 Hz
OVERLOAD PROTECTION	KLIP Overload Protection Circuit-HF
CROSSOVER FREQUENCY	900 Hz
COMPONENTS	One K-281-EP 12" woofer One K-70-G 1.75" titanium compression driver on a K-604 horn
INPUT CONNECTION	Two point barrier strip
MOUNTING OPTIONS	Sixteen 3/8"-16 flypoints Two 5/16"-18 threaded holes (top and bottom) for C-bracket
ENCLOSURE MATERIAL	3/4" 7-ply birch plywood cabinet 1" MDF motorboard
HEIGHT	23" (58.42cm)
WIDTH	17" (43.18cm) front 6.8" (17.27cm) rear
DEPTH	12.6" (32.03cm)
WEIGHT	49 lbs. (22.27kg)
FINISHES	Black, White and Raw Birch

¹ 3M, Half-spaced anechoic

² AES standard, continuous pink noise, 6 dB peaks

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

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

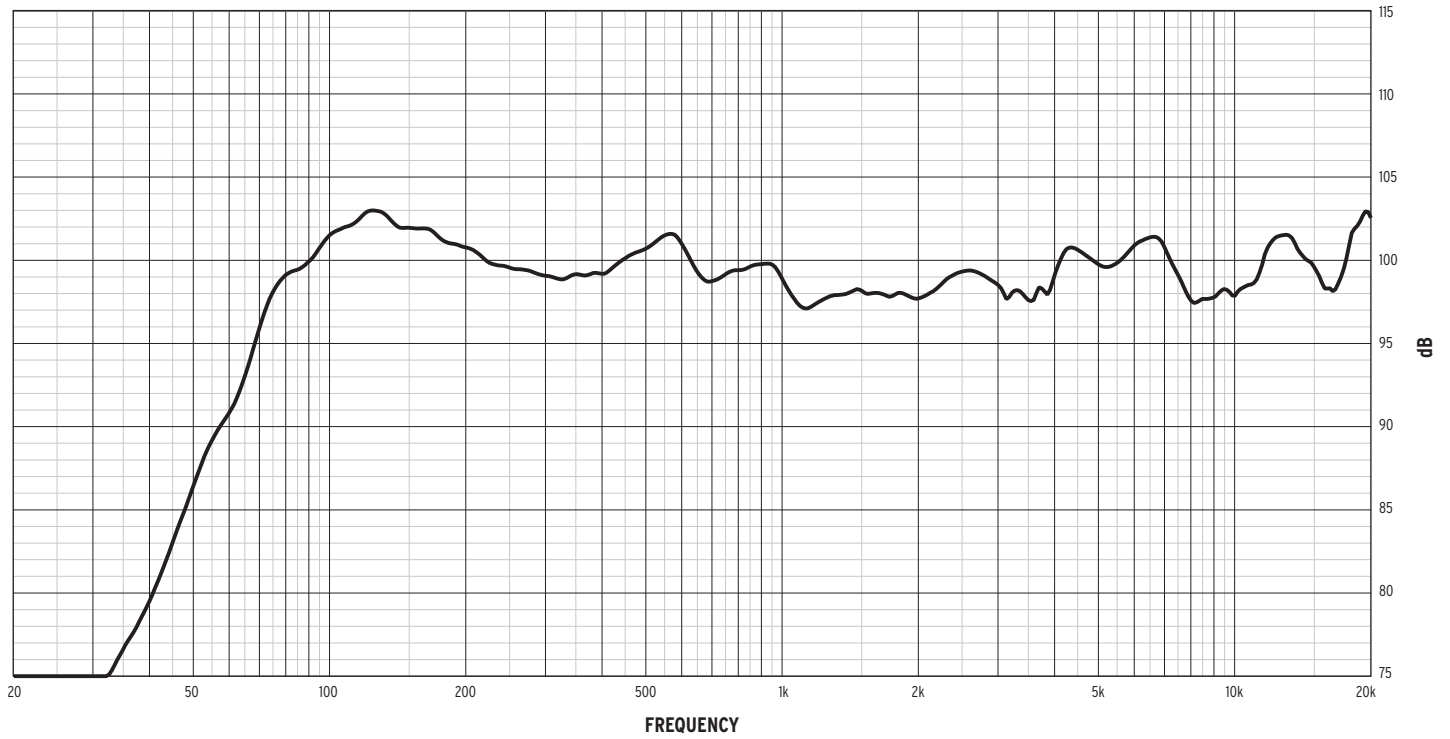
KI-262-SMA-II

TRAPEZOIDAL 12" 2-WAY LOUDSPEAKER

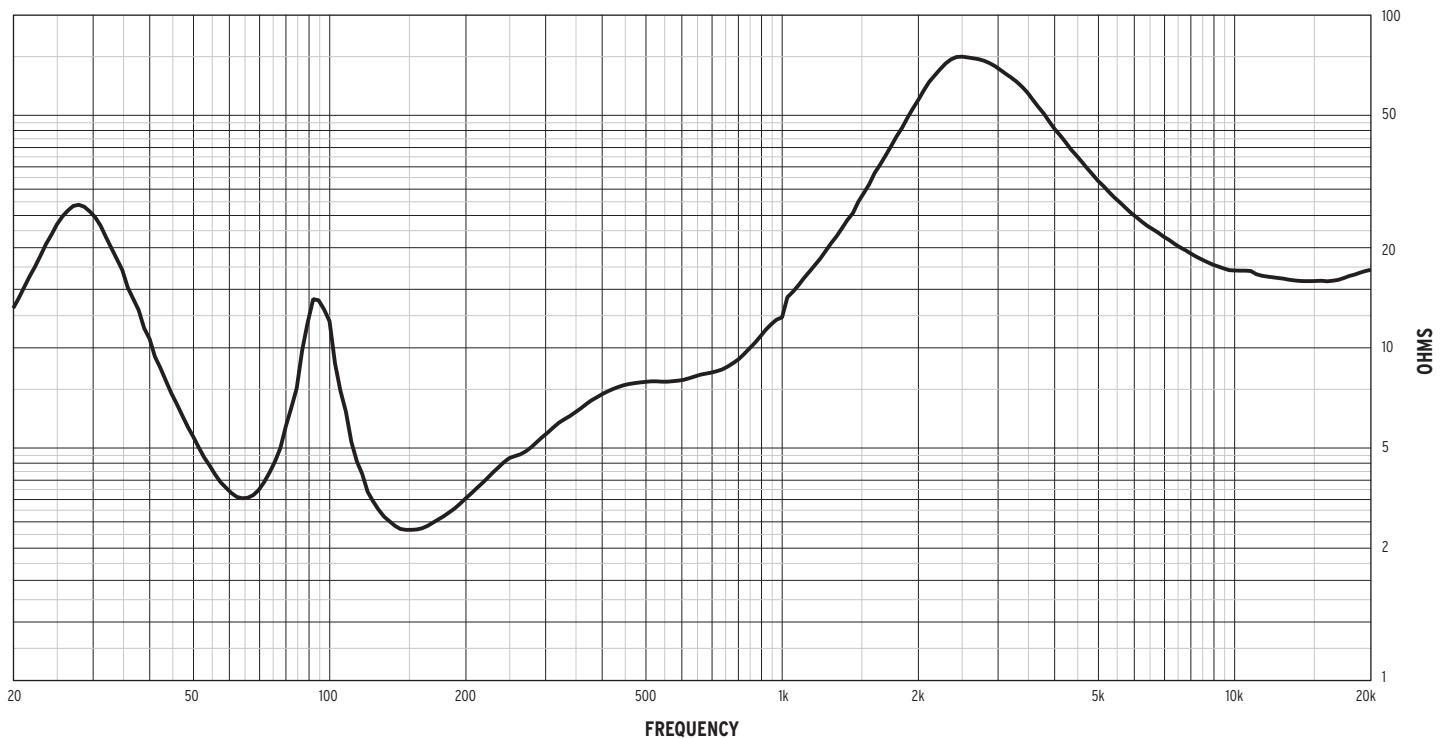


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

FREQUENCY RESPONSE



IMPEDANCE



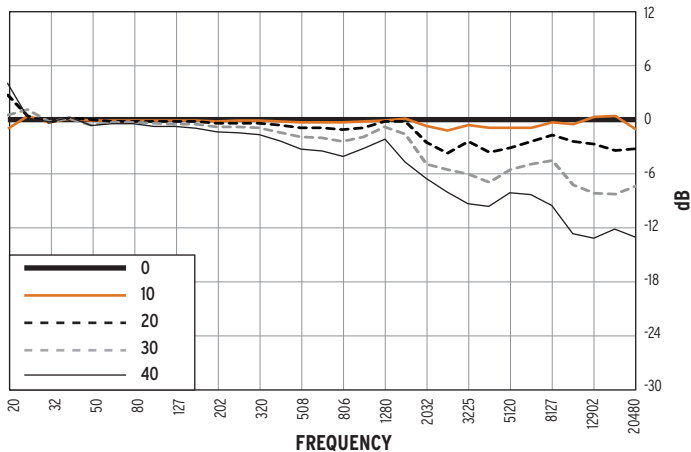
KI-262-SMA-II

TRAPEZOIDAL 12" 2-WAY LOUDSPEAKER

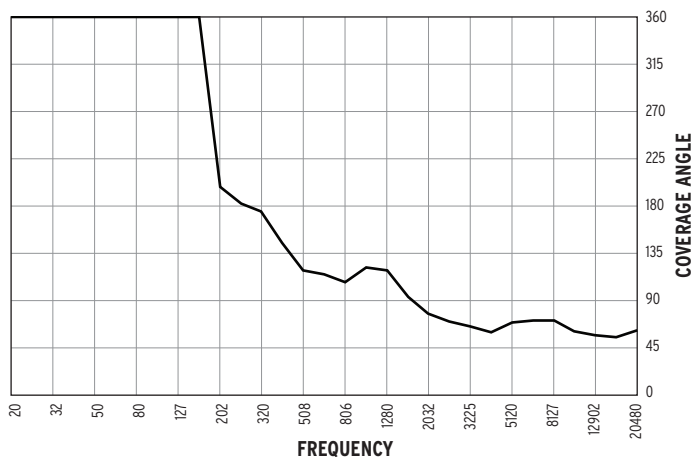


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

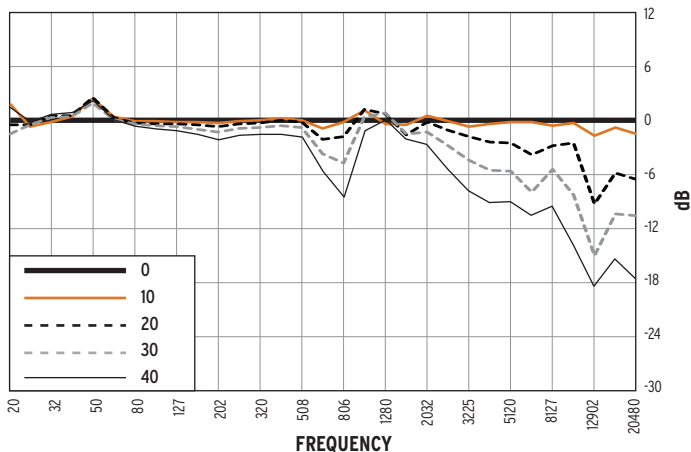
HORIZONTAL OFF AXIS TRANSFER FUNCTION



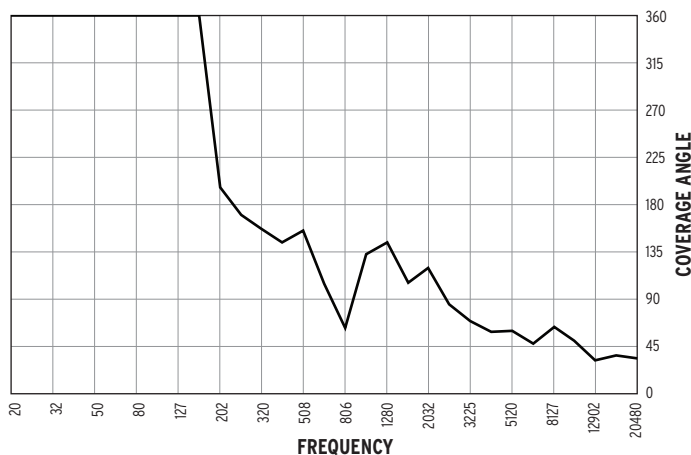
HORIZONTAL COVERAGE (-6dB)



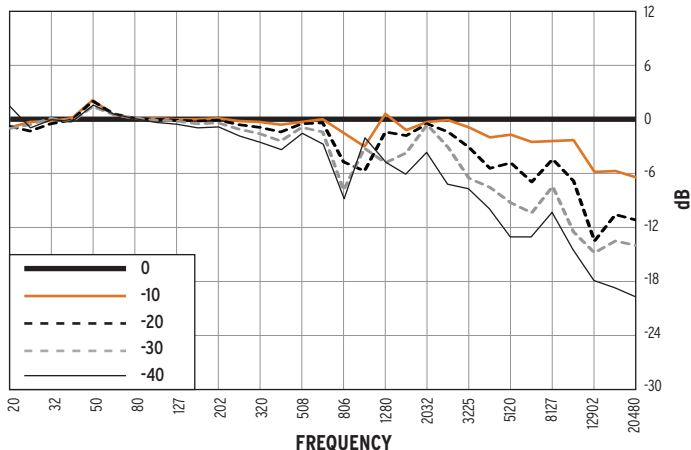
VERTICAL OFF AXIS TRANSFER FUNCTION UP



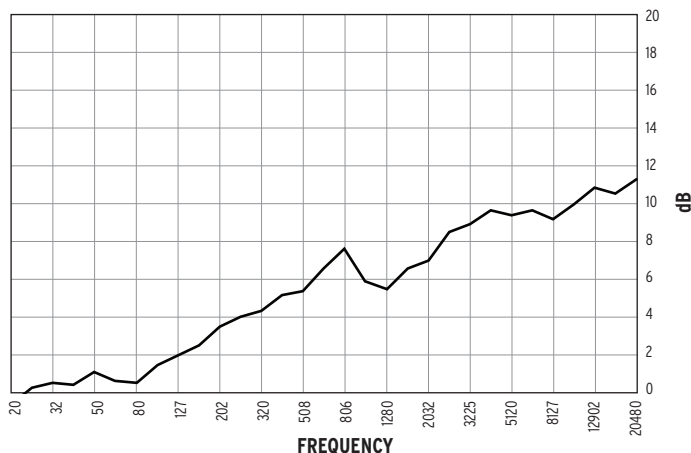
VERTICAL COVERAGE (-6dB)



VERTICAL OFF AXIS TRANSFER FUNCTION DOWN



DIRECTIVITY INDEX



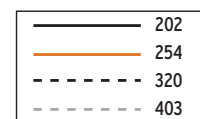
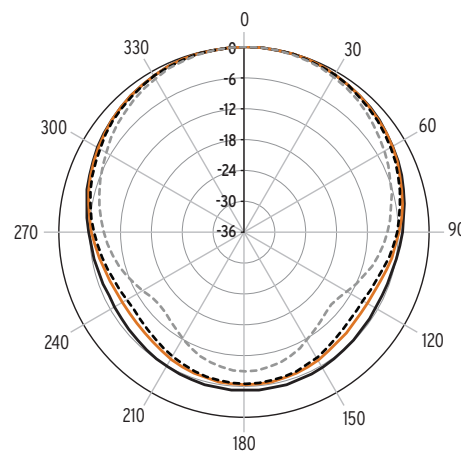
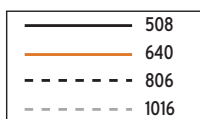
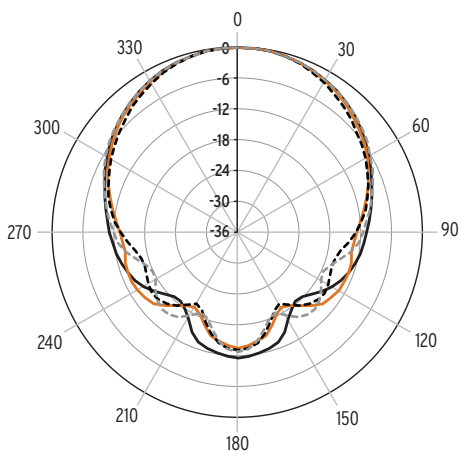
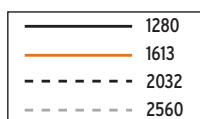
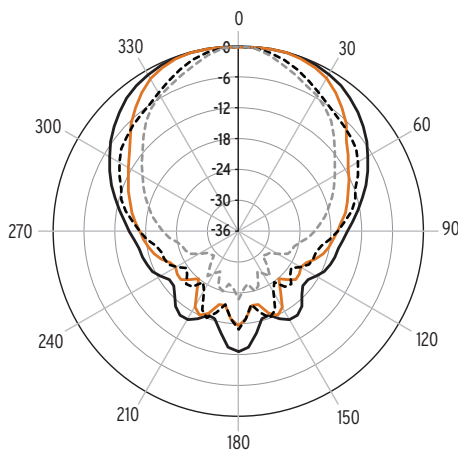
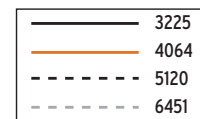
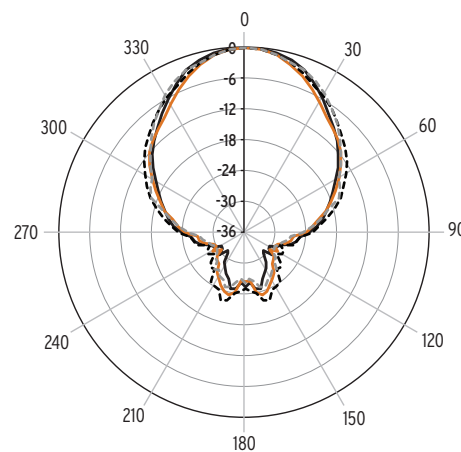
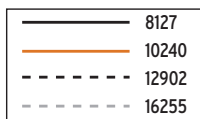
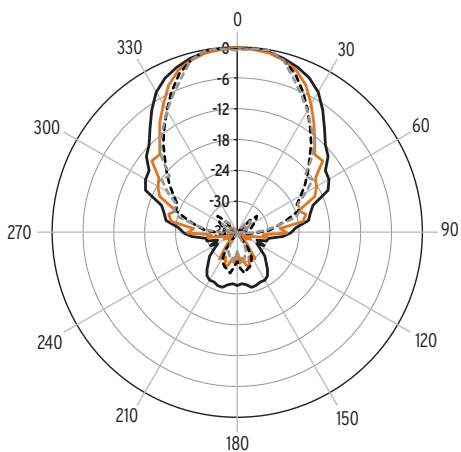
KI-262-SMA-II

TRAPEZOIDAL 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

HORIZONTAL 1/3 OCTAVE POLARS



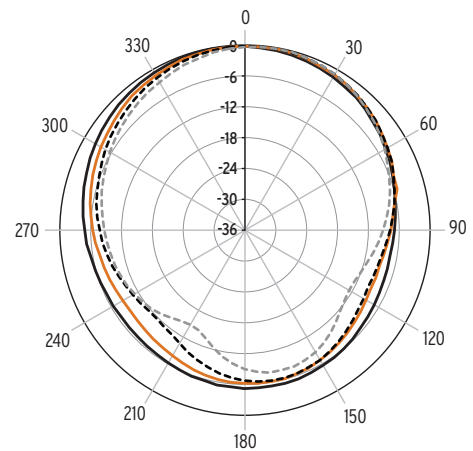
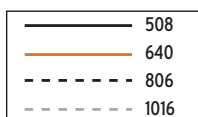
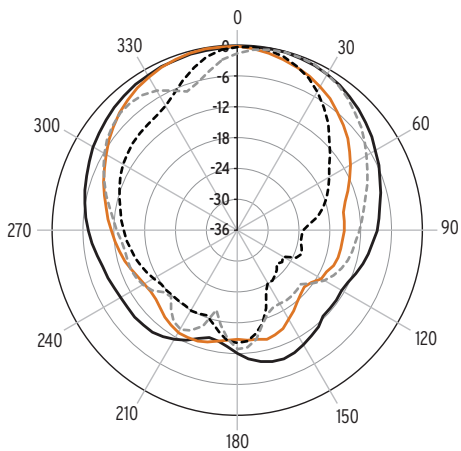
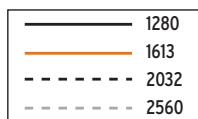
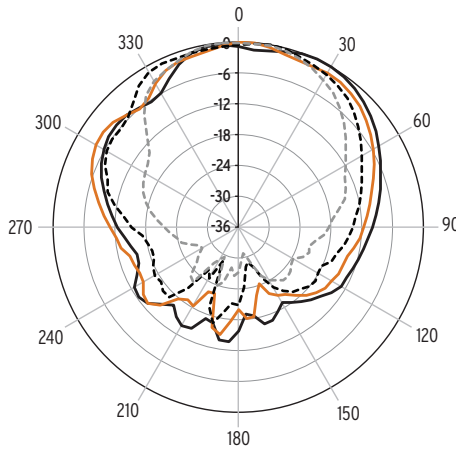
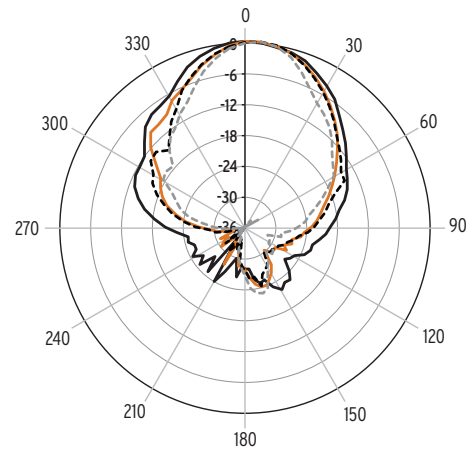
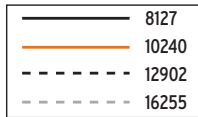
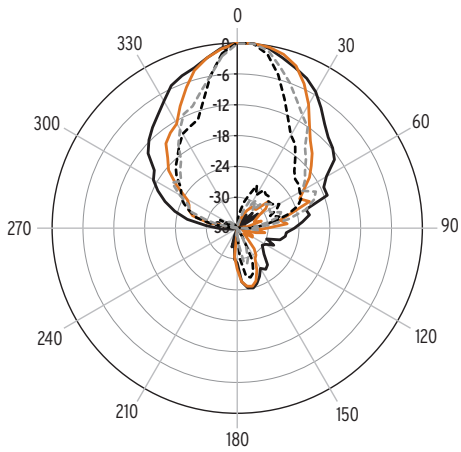
KI-262-SMA-II

TRAPEZOIDAL 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

VERTICAL 1/3 OCTAVE POLARS



KI-262-SMA-II

TRAPEZOIDAL 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ARCHITECTURAL SPECIFICATIONS

The KI-262-SMA-II compact high power loudspeaker system shall include an 12" (304.8mm) K-281-EP low-frequency transducer utilizing a 3" (76.2mm) diameter voice coil, 80-ounce (2267g) magnet and motor magnet assembly and a K-70-G 1.75" (44.4mm) titanium diaphragm high-frequency 27-ounce (765g) magnet compression driver mounted on a 60° X 40°, heavy duty, injected 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 71 Hz to 20 kHz, +/- 3 dB, with the -10 dB point at 57 Hz, measured at three meters, half-space anechoic. The dispersion angle shall be 60° X 40° nominal. Directivity Index shall be 9dB. Sensitivity shall be 100 dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 300 watts (35V), to AES standards, continuous pink noise, 50Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 121dB SPL. Nominal impedance shall be 8 ohms, with 4.1 ohms minimum at 152Hz.

The internal passive crossover frequency shall be 900Hz with a slope of 12 dB/octave on the low frequency and 18 dB/octave on the high- frequency. Signal connections shall be made via a two point barrier strip.

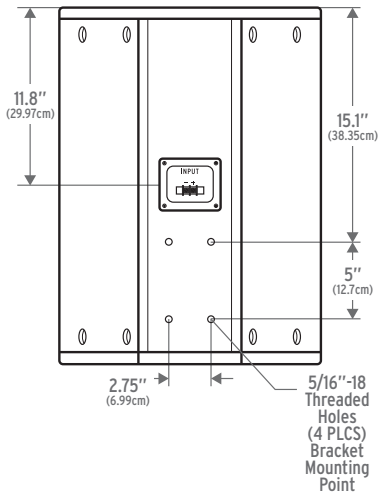
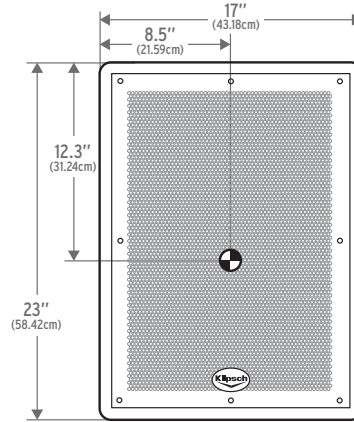
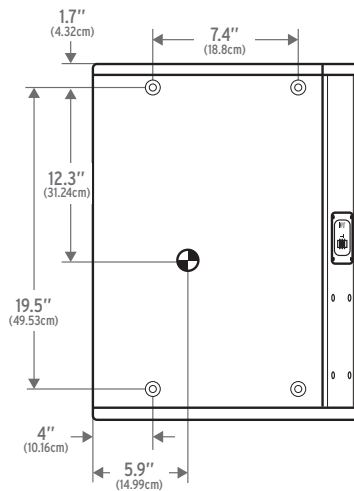
The enclosure panels shall be CNC-fabricated, 3/4" 7-ply birch plywood, assembled using rabbet and dado joinery. The motorboard baffle shall be 1" (2.54cm) medium density fiberboard. Dimensions for the enclosure shall be 23" (58.42cm) high by 12.6" (32.03cm) deep by 17" (43.18cm) front width and 6.8" (17.27cm) rear width in a symmetrical trapezoidal shape, with both side panels angled at 22.5°. Net weight shall be 49lbs. (22.27kg).

The enclosure will have a straight metal perforated grille for structural integrity and protection of the transducers from impact and tampering. Enclosure flying capability shall be provided via sixteen internal 3/8"-16 thread mounting points, four per top, bottom and both sides. The enclosure will all provide one 5/16"-20 attachment point top and bottom for a "C" 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.

The system shall be a Klipsch KI-262-SMA-II loudspeaker.

CENTER OF GRAVITY

3/8"-16 threaded hole 16 PLCS use for single speaker suspending

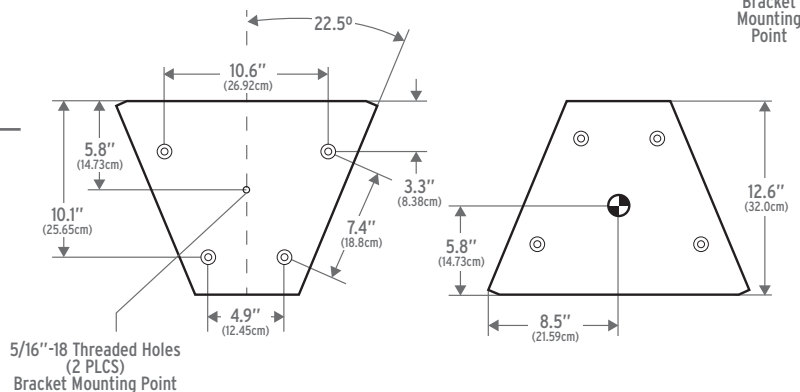


NEED HELP WITH YOUR PRO SYSTEM DESIGN?

You need to make the best impression, from the initial job quote through the completed installation. We can help choose the best Klipsch speakers for the application and help design a system that unleashes your venue's full potential.

Send us you plans or questions to us at:

PROSYSTEMDESIGN@KLIPSCH.COM



KI-262-SMA-II

TRAPEZOIDAL 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ORDERING INFORMATION

KI-262-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062018	KI-262-B-SMA-II	Black	1	Standard 8 ohm speaker	743878027976
1062019	KI-262-W-SMA-II	White	1	Standard 8 ohm speaker	743878029239
1062020	KI-262-R-SMA-II	Raw Birch	1	Standard 8 ohm speaker	743878029222

KI-262-SMA-II CARTON DIMENSIONS

HEIGHT 26.0" (66cm)

WIDTH 15.4" (39.1cm)

DEPTH 18.9" (48cm)

KI-272-SMA-II

MULTI-ANGLE 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET



PRODUCT OVERVIEW

The KI-272-SMA-II two-way, multi-angle loudspeaker is a high power solution for limited space installations where angled mounting is required. It's perfect for angled wall, corner, ceiling, oblique angle projection or under-balcony mounting in theaters, clubs, churches and schools.

Able to hang using 12 built-in 3/8" 16-thread points, the KI-272-SMA-II provides the performance and reliability for which Klipsch is known.

FEATURES

- Multiple angle 45° and 65° asymmetrical design two-way speaker
- Perfect for angled wall, corner, ceiling or under-balcony mounting
- 12" woofer and 1.75" titanium diaphragm high-frequency compression driver
- 60° X 40° Modified Tratrix horn
- Internal high current full-range crossover
- 12 suspension points
- KLIP-circuit HF driver protection devices
- Available in Black, White or Raw Birch finish

APPLICATIONS

- Restaurants
- Schools
- Houses of worship
- Health clubs
- AV production environments
- Auditoriums

DESIGNED AND MADE IN THE USA USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's KI series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	65 Hz - 20 kHz (-10 dB @ 47 Hz)
POWER HANDLING²	300 watts (35V) 1200 watts peak
MAXIMUM SPL³	121 dB Continuous 127 dB Peak
SENSITIVITY⁴	100 dB
COVERAGE	Horizontal: 40° +/- 20° 3.5 kHz - 20 kHz Vertical: 60° +/- 20° 2 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	9 dB +/- 3 dB 2 kHz - 20 kHz
DIRECTIVITY FACTOR (Q)	7.9
NOMINAL IMPEDANCE	8 ohms, minimum 4 ohms @ 146 Hz
OVERLOAD PROTECTION	KLIP Overload Protection Circuit-HF
CROSSOVER FREQUENCY	900 Hz
COMPONENTS	One K-281-EP 12" woofer One K-70-G 1.75" titanium compression driver on a K-604 horn
INPUT CONNECTION	Two point barrier strip
MOUNTING OPTIONS	Twelve 3/8"-16 flypoints Two 5/16"-18 threaded holes (top and bottom) for C-bracket
ENCLOSURE MATERIAL	3/4" 7-ply birch plywood cabinet 1" MDF motorboard
HEIGHT	17" (43.18cm)
WIDTH	23" (58.42cm)
DEPTH	15.8" (40.13cm)
WEIGHT	51 lbs. (23.18kg)
FINISHES	Black, White and Raw Birch

¹ 3M, Half-spaced anechoic
² AES standard, continuous pink noise, 6 dB peaks
³ Calculated at 1M half-spaced at power handling power input
⁴ SPL at 1M, half-spaced anechoic with 2.83V input

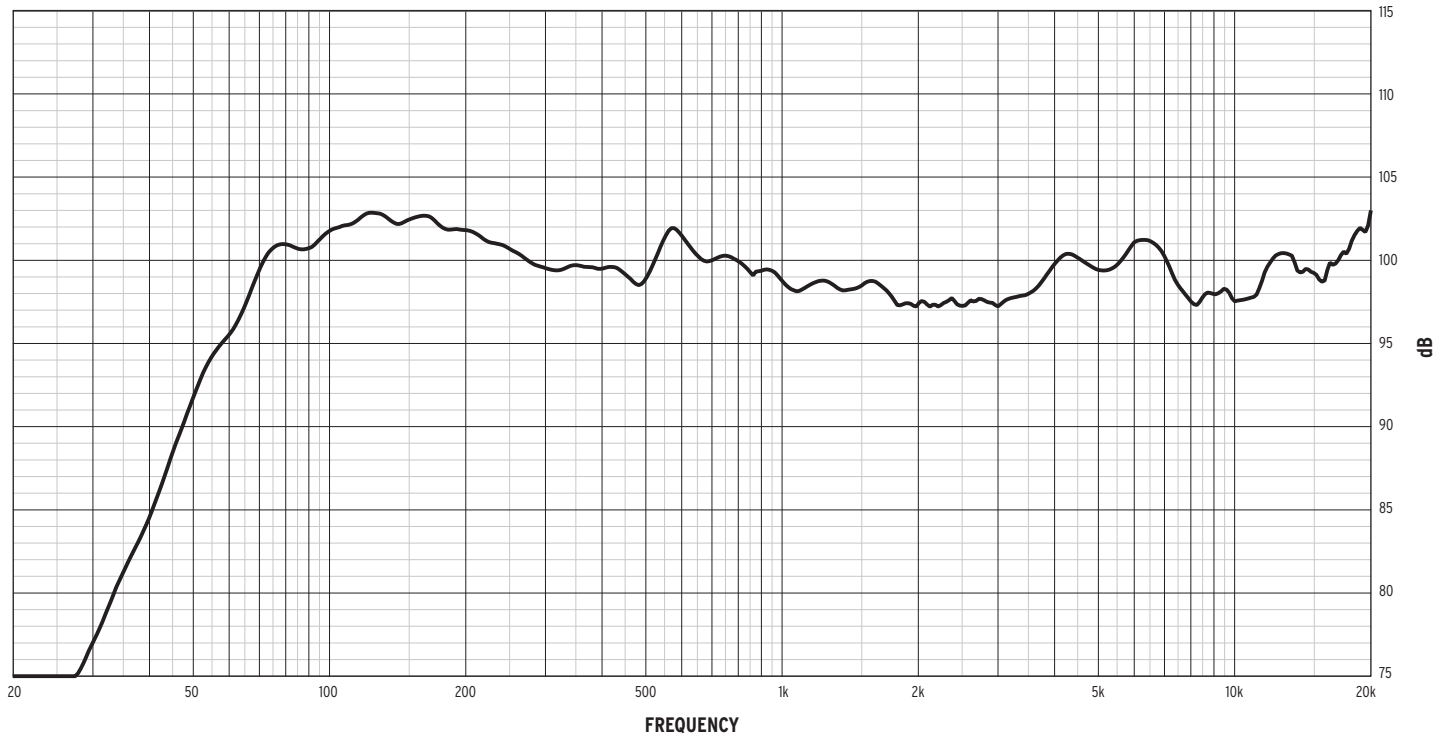
KI-272-SMA-II

MULTI-ANGLE 12" 2-WAY LOUDSPEAKER

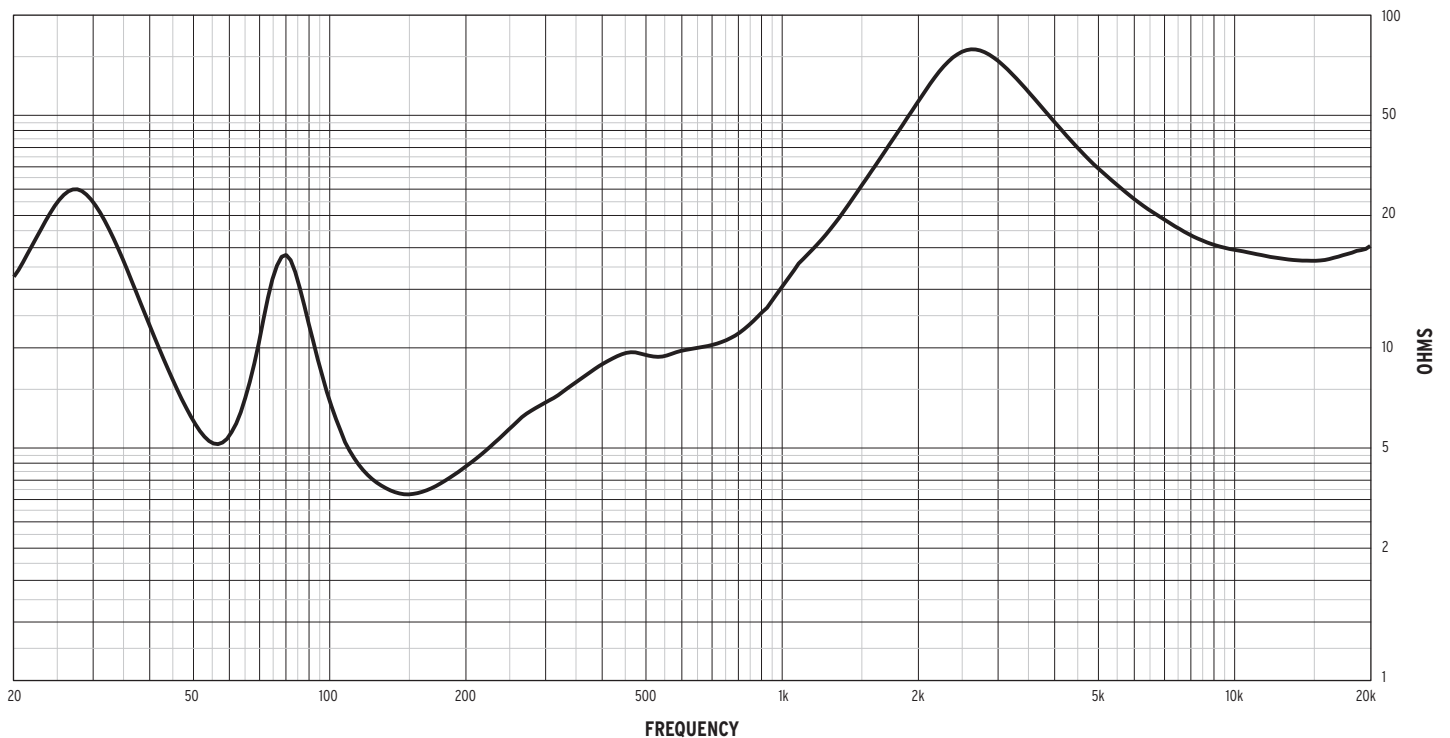


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

FREQUENCY RESPONSE



IMPEDANCE



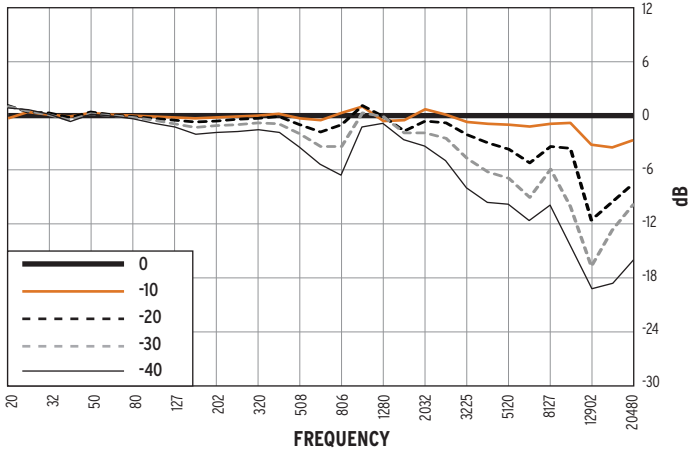
KI-272-SMA-II

MULTI-ANGLE 12" 2-WAY LOUDSPEAKER

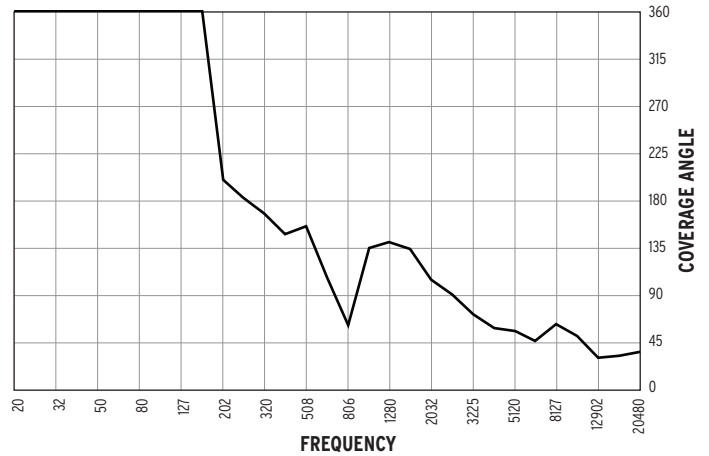


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

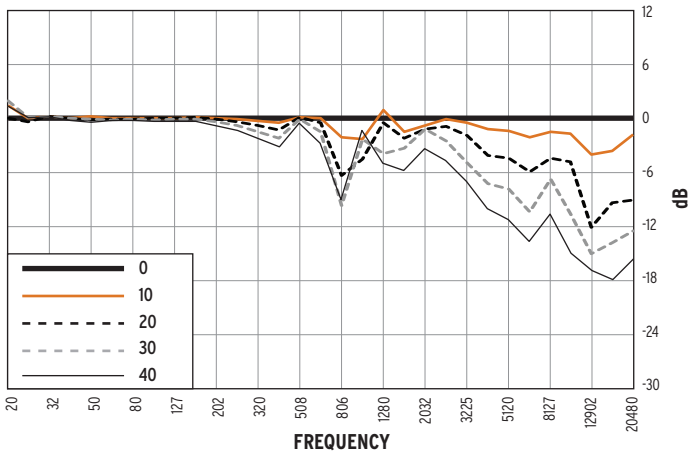
HORIZONTAL OFF AXIS TRANSFER FUNCTION LEFT



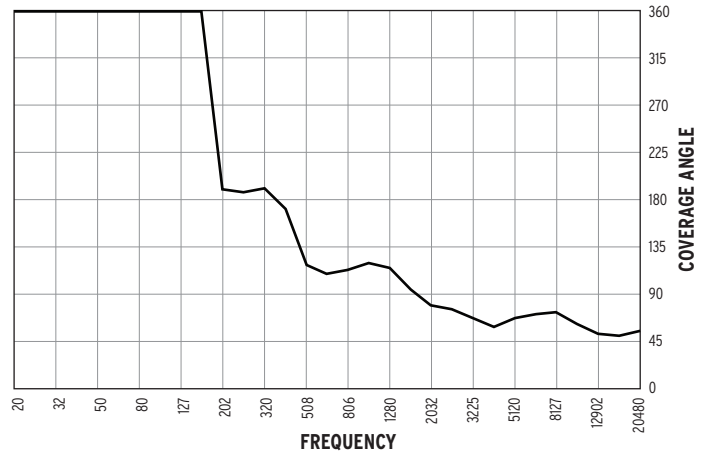
HORIZONTAL COVERAGE (-6dB)



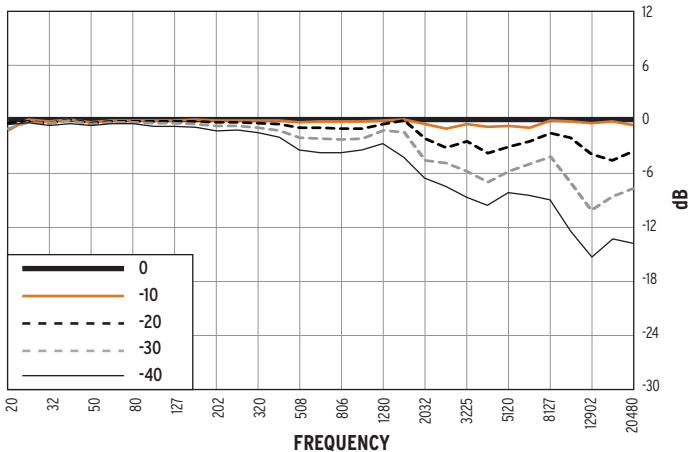
HORIZONTAL OFF AXIS TRANSFER FUNCTION RIGHT



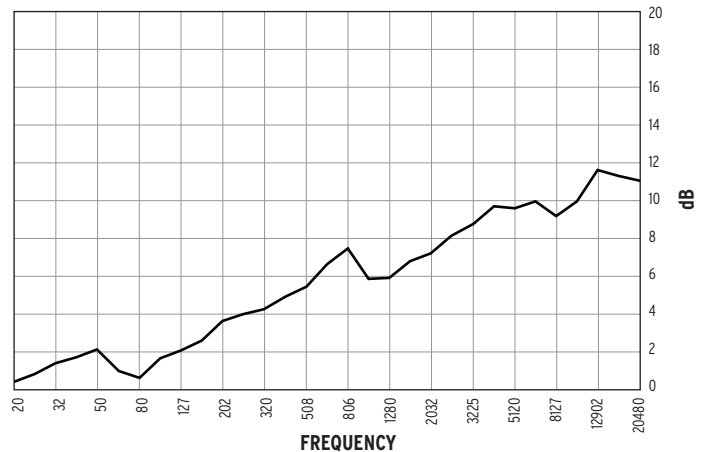
VERTICAL COVERAGE (-6dB)



VERTICAL OFF AXIS TRANSFER FUNCTION



DIRECTIVITY INDEX



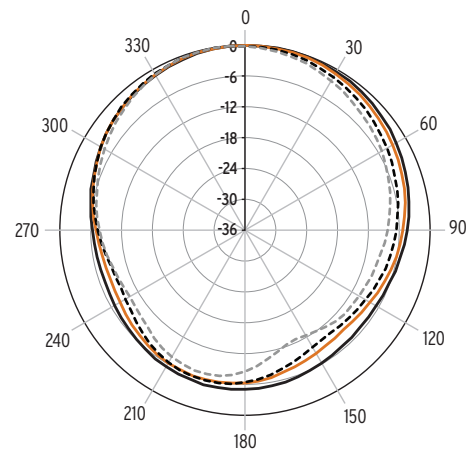
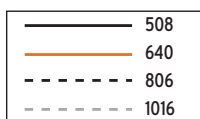
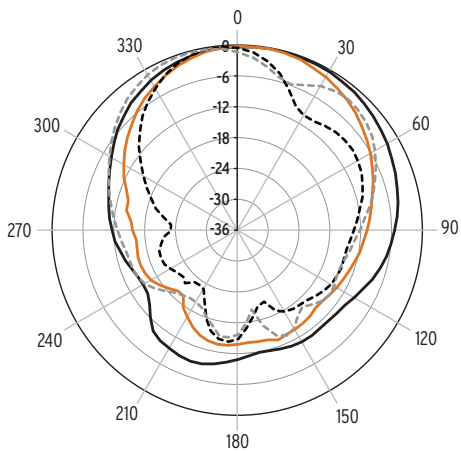
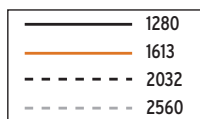
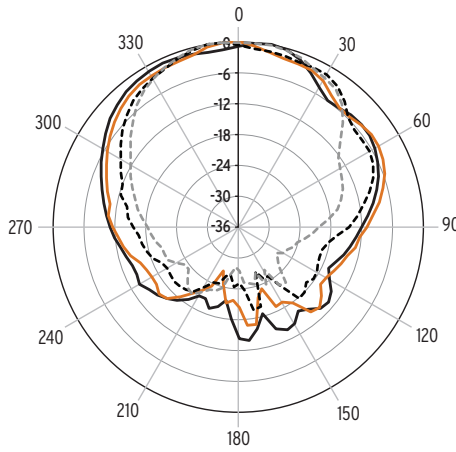
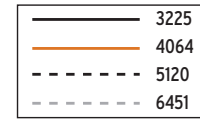
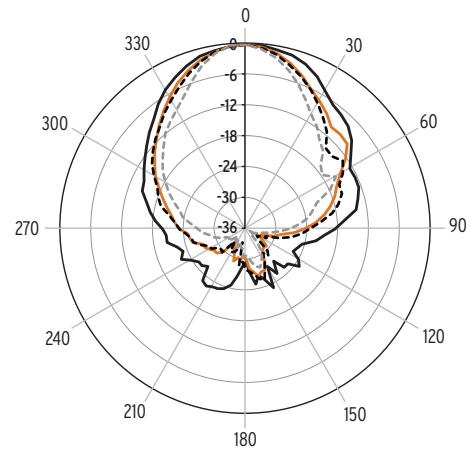
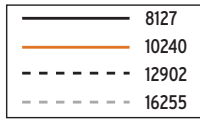
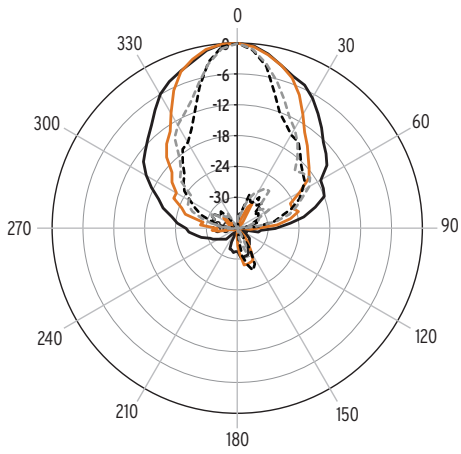
KI-272-SMA-II

MULTI-ANGLE 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

HORIZONTAL 1/3 OCTAVE POLARS



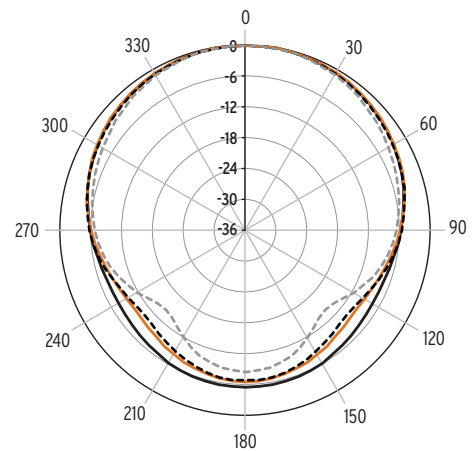
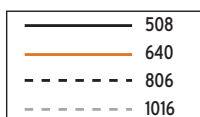
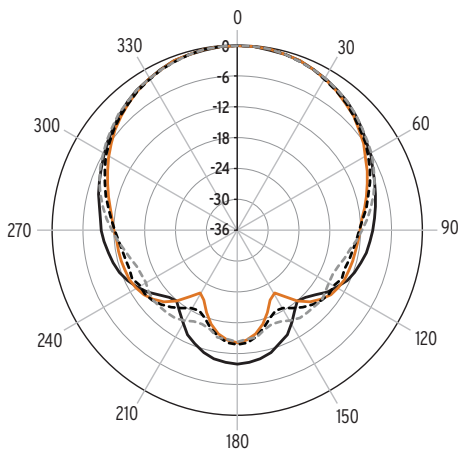
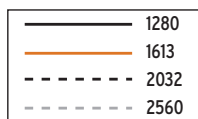
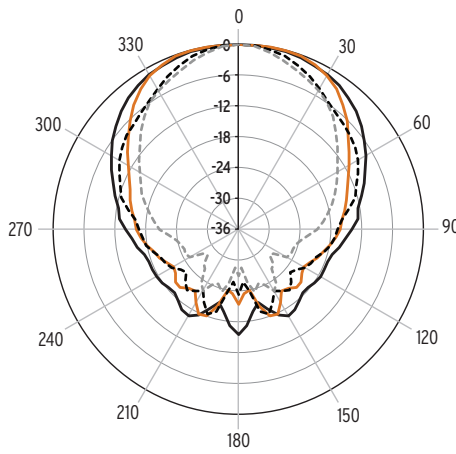
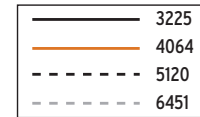
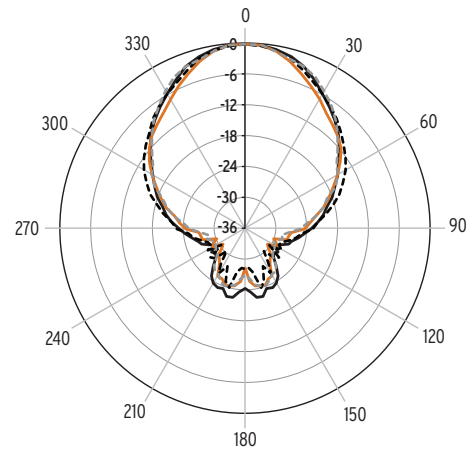
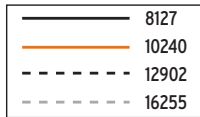
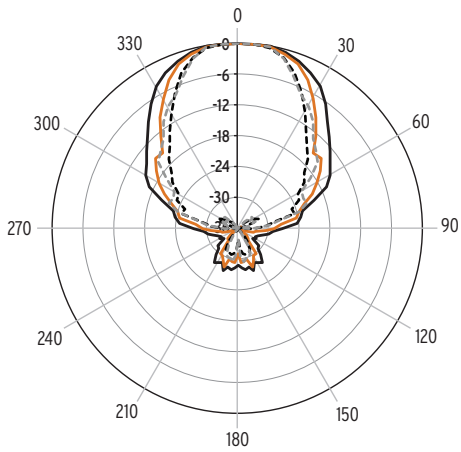
KI-272-SMA-II

MULTI-ANGLE 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

VERTICAL 1/3 OCTAVE POLARS



KI-272-SMA-II

MULTI-ANGLE 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ARCHITECTURAL SPECIFICATIONS

The KI-272-SMA-II shall include a 12" (304.8mm) K-281-ST low-frequency transducer utilizing a 3" (76.2mm) diameter voice coil, 80-ounce (2267g) magnet and motor magnet assembly and a K-70-G 1.75" (44.4mm) titanium diaphragm high-frequency 27-ounce (768g) magnet compression driver mounted on a 60° X 40°, heavy duty, injected 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 65Hz to 20kHz, +/- 3dB, with the -10 dB point at 47Hz, measured at three meters, half-space anechoic. The high-frequency dispersion angle shall be 40° x 60° nominal. Directivity shall be 9dB. Sensitivity shall be 100dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 300 watts (35volts), to AES standards, continuous pink noise, 50Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 121dB SPL. Nominal impedance shall be 8 ohms, with 4 ohms minimum at 146Hz.

The internal passive crossover frequency shall be 900Hz with a slope of 12dB/octave on the low frequency and 18dB/octave on the high- frequency. Signal connections shall be made via a two point barrier strip.

The enclosure panels shall be CNC-fabricated, 3/4" 7-ply Birch plywood, assembled using rabbet and dado joinery. The motorboard baffle shall be 1" (2.54cm) medium density fiberboard. Dimensions for the enclosure shall be 17" (43.18cm) high by 15.8" (40.13cm) deep by 23" (58.42cm) width in a 45/65 degree asymmetrical angled box. Net weight shall be 51lbs (23.18kg).

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

Enclosure flying capability shall be provided via twelve internal 3/8"-16 thread mounting points, three per top and bottom and two on three sides. The enclosure will provide one 5/16"-18 attachment point on each side for a "C" 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.

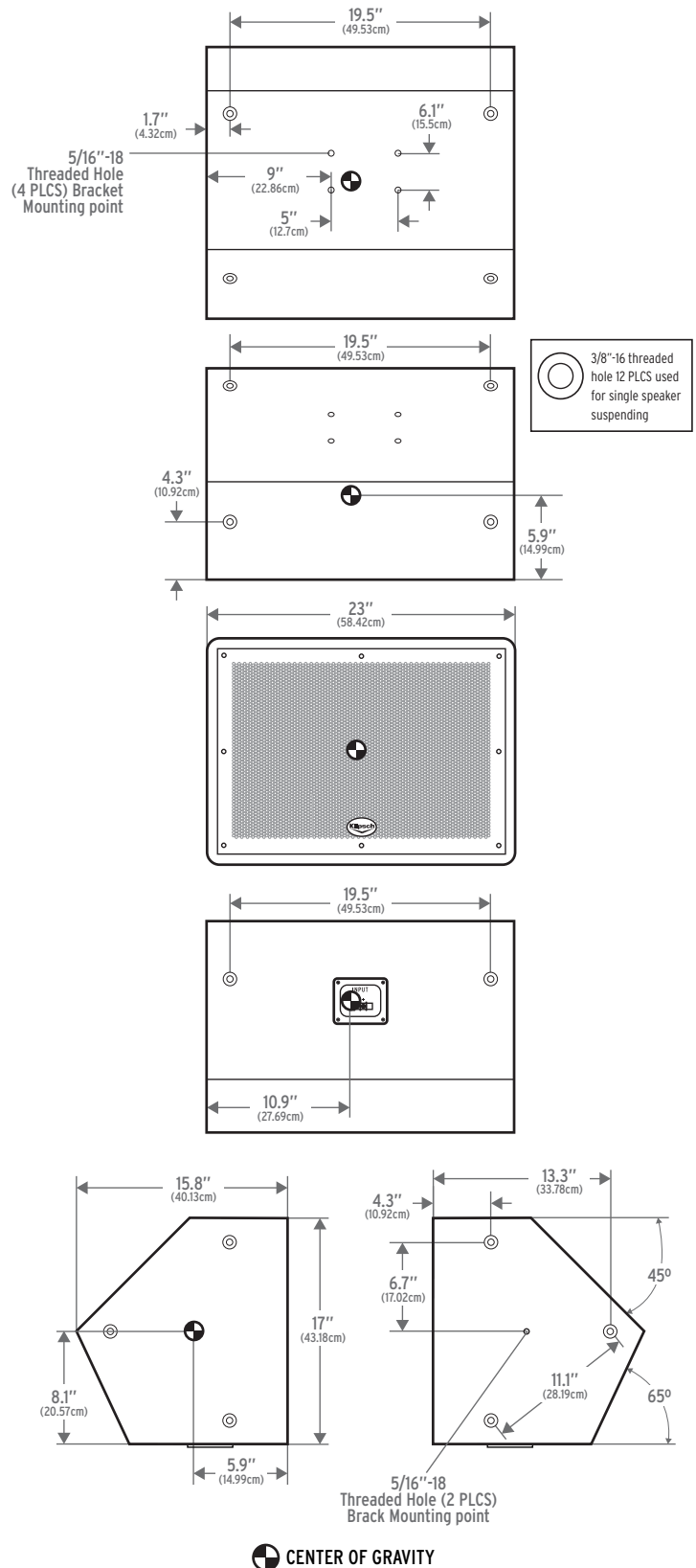
The system shall be a Klipsch KI-272-SMA-II loudspeaker.

NEED HELP WITH YOUR PRO SYSTEM DESIGN?

You need to make the best impression, from the initial job quote through the completed installation. We can help choose the best Klipsch speakers for the application and help design a system that unleashes your venue's full potential.

Send us you plans or questions to us at:

PROSYSTEMDESIGN@KLIPSCH.COM



KI-272-SMA-II

MULTI-ANGLE 12" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ORDERING INFORMATION

KI-272-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062021	KI-272-B-SMA-II	Black	1	Standard 8 ohm speaker	743878027983
1062022	KI-272-W-SMA-II	White	1	Standard 8 ohm speaker	743878029253
1062023	KI-272-R-SMA-II	Raw Birch	1	Standard 8 ohm speaker	743878029246

KI-272-SMA-II CARTON DIMENSIONS

HEIGHT 26" (66cm)

WIDTH 18.9" (48cm)

DEPTH 18.9" (48cm)

KI-362-SMA-II

TRAPEZOIDAL 15" 3-WAY LOUDSPEAKER



Klipsch®

KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET



PRODUCT OVERVIEW

The Klipsch KI-362-SMA-II is three-way 22.5° trapezoidal speaker system that is ideally suited for suspended permanent install applications in small to medium sized venues. The full-range system delivers high SPL output with high intelligibility, in a cost effective solution.

The KI-362-SMA-II utilizes a modified Tractrix® horn geometry in a well defined 90° X 60° coverage. To permit use at any mounting angle the midrange and high-frequency drivers are adjustable in 45° increments allowing the 60° or 90° projection patterns to be chosen independent of the orientation of the enclosure.

All components are housed in a rugged birch plywood enclosure with aesthetically profiled edges and a tough durable finish. The KI-362-SMA-II has 16 suspension points (4 per side) for flexible mounting and rigging bar compatibility.

FEATURES

- Compact 22.5° symmetrical trapezoidal design
- User-rotatable midrange and HF module for optimized pattern control
- 16 suspension points for (4 per side) for flexible mounting and rigging bar compatibility
- 15" cast frame heavy-duty woofer
- 1.5" and 1" titanium midrange and high-frequency compression drivers
- Internal high current full-range crossover
- KLIP circuit Mid and HF driver protection device
- Available in Black, White or Raw Birch finish

APPLICATIONS

- A/V Production Environments
- Auditoriums and Houses of Worship
- Bars and Music Clubs
- Small/medium Sports Facilities
- Theme Parks and Leisure Venues
- Transportation Facilities

DESIGNED AND MADE IN THE USA

USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's KI series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	54 Hz - 20 kHz (-10 dB @ 38 Hz)
POWER HANDLING²	400 watts (42V) 1600 watts peak
MAXIMUM SPL³	124 dB Continuous 130 dB Peak
SENSITIVITY⁴	101 dB
COVERAGE	Horizontal: 90° +/- 30° 400 Hz - 16 kHz Vertical: 60° +/- 20° 2.8 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	8 dB +/- 2 dB 500 Hz - 20 kHz
DIRECTIVITY FACTOR (Q)	6.3
NOMINAL IMPEDANCE	8 ohms, minimum 4.4 ohms @ 106 Hz
OVERLOAD PROTECTION	KLIP Overload Protection Circuit-HF
CROSSOVER FREQUENCY	1.26 kHz and 6.8 kHz
COMPONENTS	One K-48-ST 15" woofer One K-53-TI 1.5" titanium compression driver on a K-703-M horn One K-100-TI 1" titanium compression driver on a K-79-T horn
INPUT CONNECTION	Two point barrier strip
MOUNTING OPTIONS	Sixteen 3/8"-16 flypoints
BRACKET MOUNT	One attachment point for C-bracket Top and Bottom: 3/8"-16
ENCLOSURE MATERIAL	3/4" 7-ply birch plywood cabinet 1" MDF motorboard
HEIGHT	34.3" (87.12cm)
WIDTH	19.8" (50.29cm) front 6.8" (17.27cm) rear
DEPTH	16" (40.64cm)
WEIGHT	70 lbs. (31.81kg)
FINISHES	Black, White and Raw Birch finish

¹ 3M, Half-spaced anechoic

² AES standard, continuous pink noise, 6 dB peaks

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

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

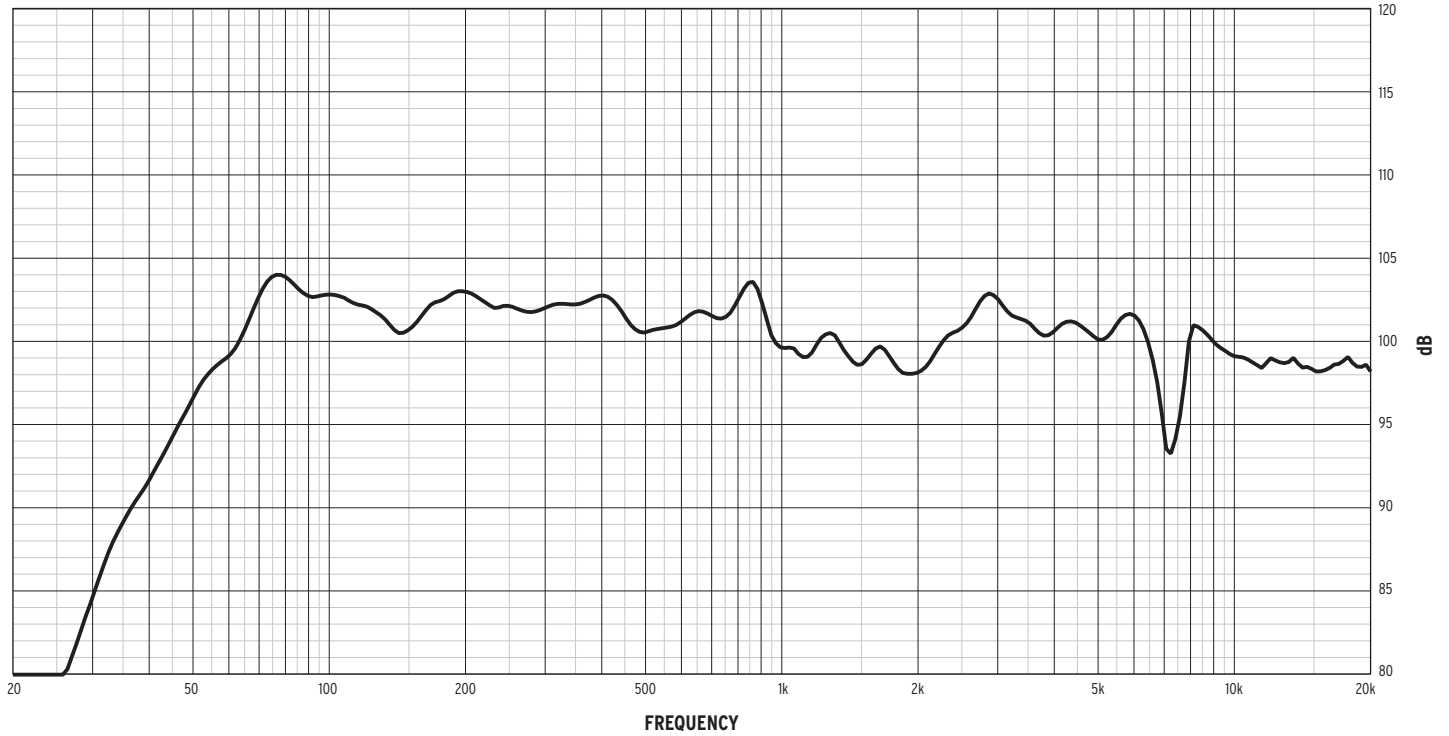
KI-362-SMA-II

TRAPEZOIDAL 15" 3-WAY LOUDSPEAKER

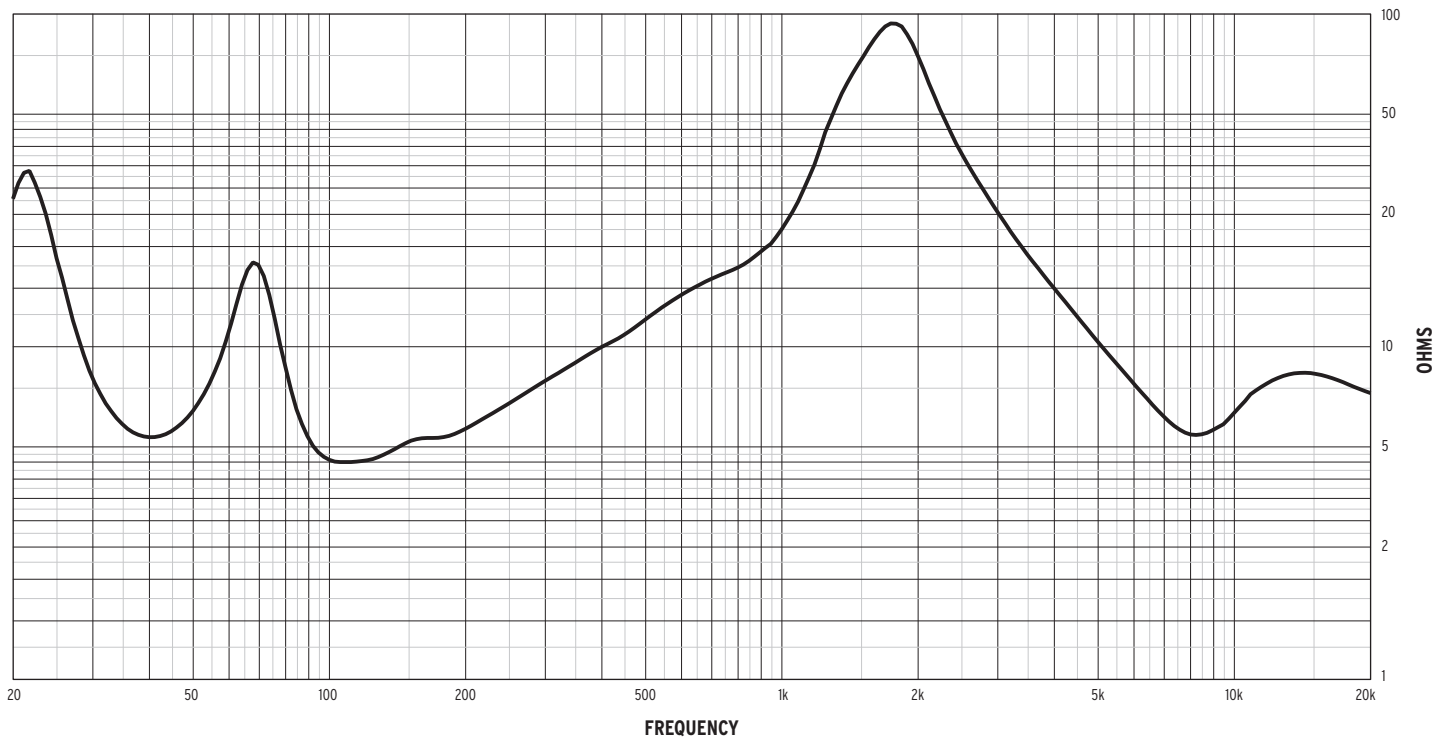


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

FREQUENCY RESPONSE



IMPEDANCE



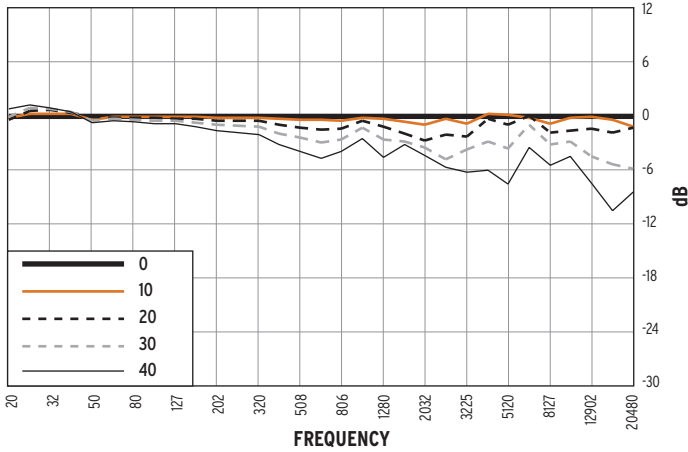
KI-362-SMA-II

TRAPEZOIDAL 15" 3-WAY LOUDSPEAKER

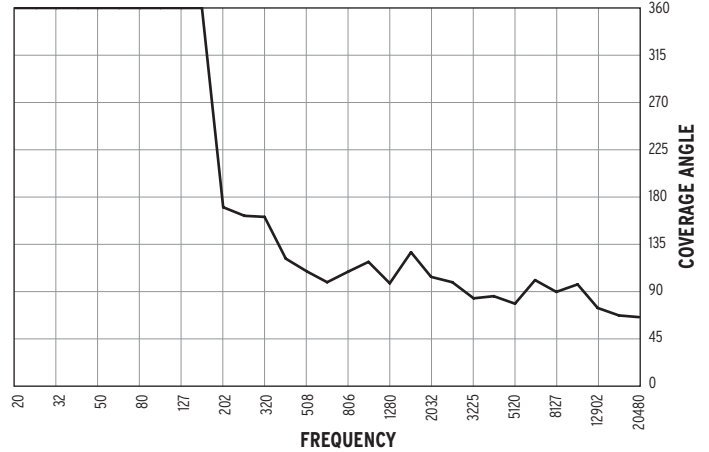


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

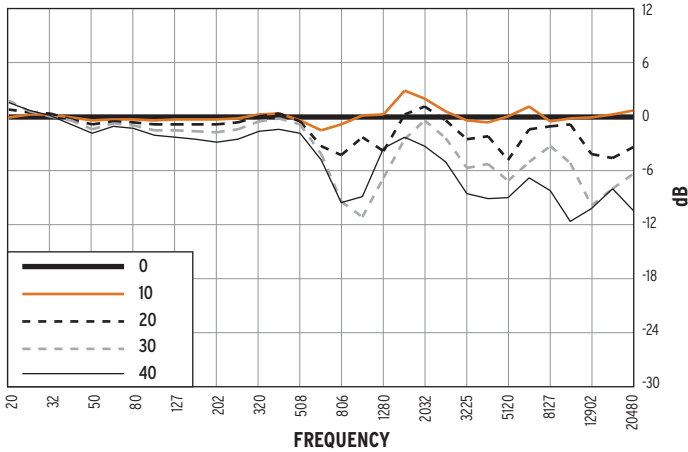
HORIZONTAL OFF AXIS TRANSFER FUNCTION



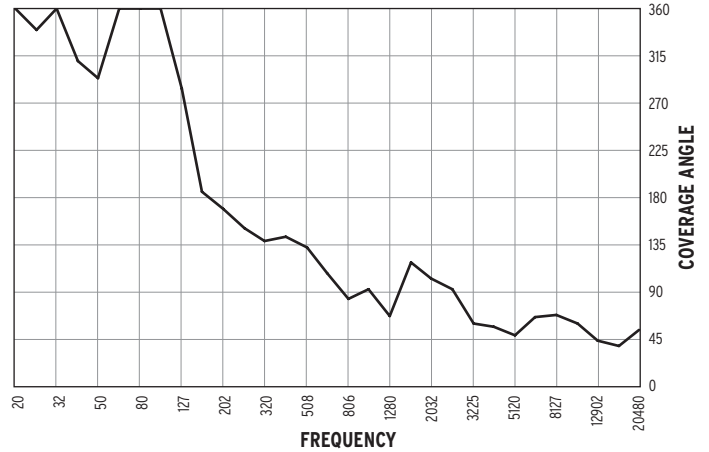
HORIZONTAL COVERAGE (-6dB)



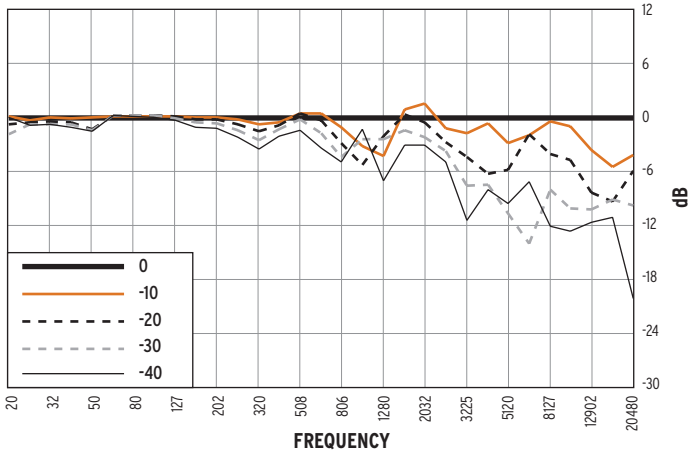
VERTICAL OFF AXIS TRANSFER FUNCTION UP



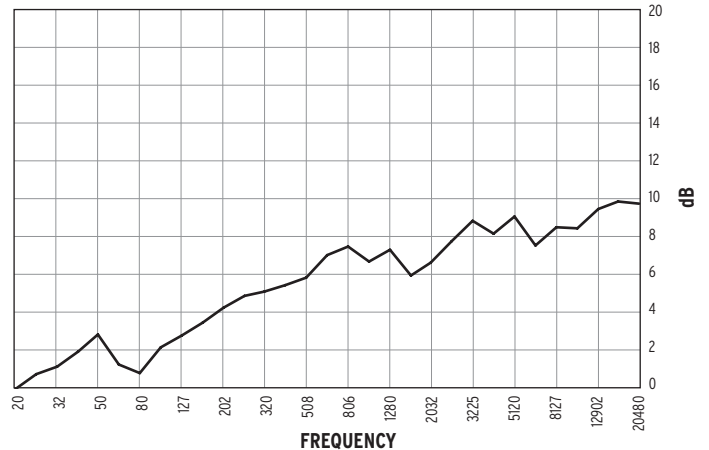
VERTICAL COVERAGE (-6dB)



VERTICAL OFF AXIS TRANSFER FUNCTION DOWN



DIRECTIVITY INDEX



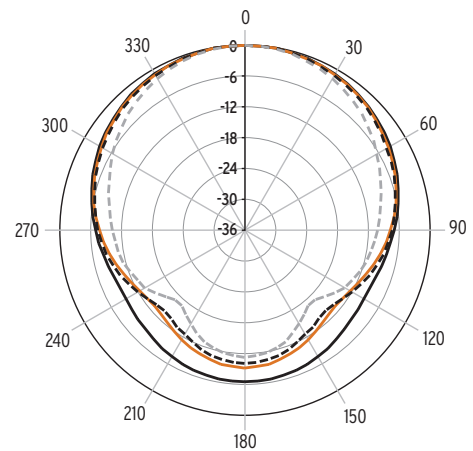
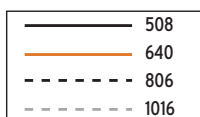
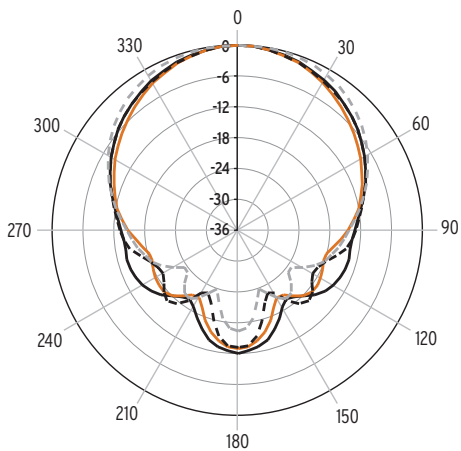
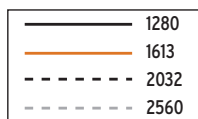
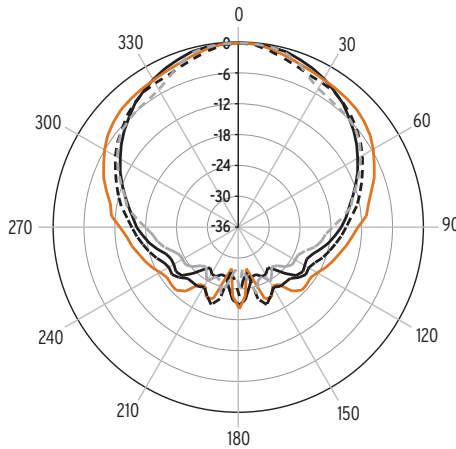
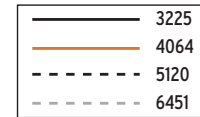
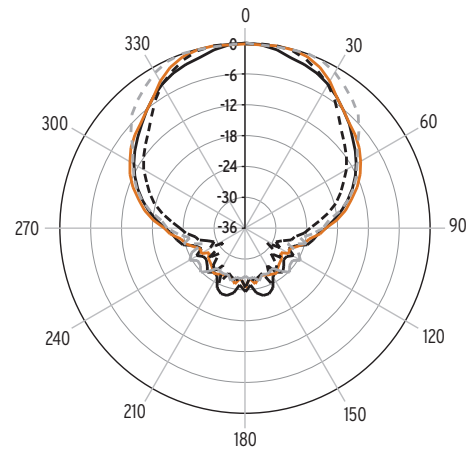
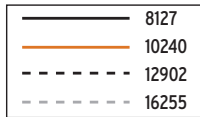
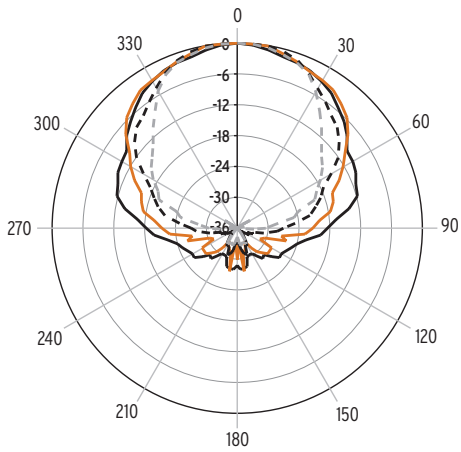
KI-362-SMA-II

TRAPEZOIDAL 15" 3-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

HORIZONTAL 1/3 OCTAVE POLARS



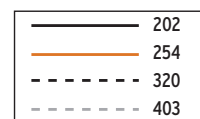
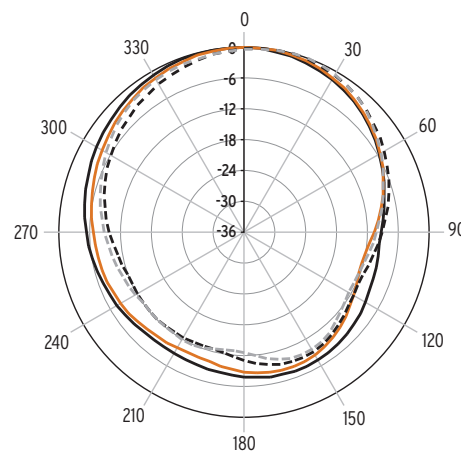
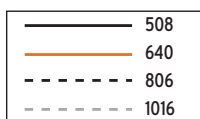
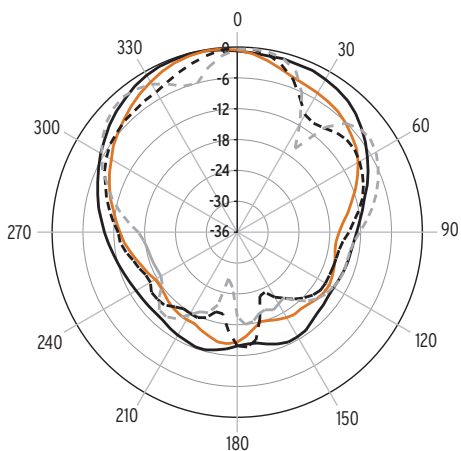
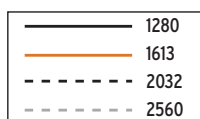
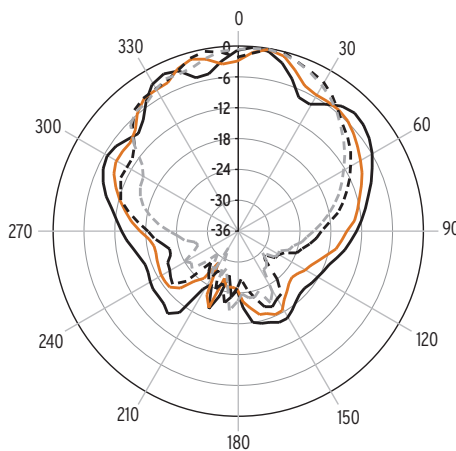
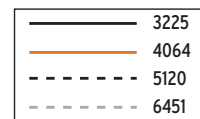
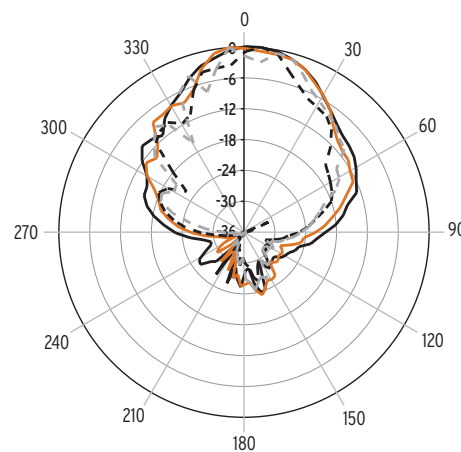
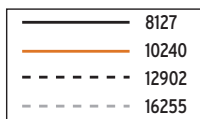
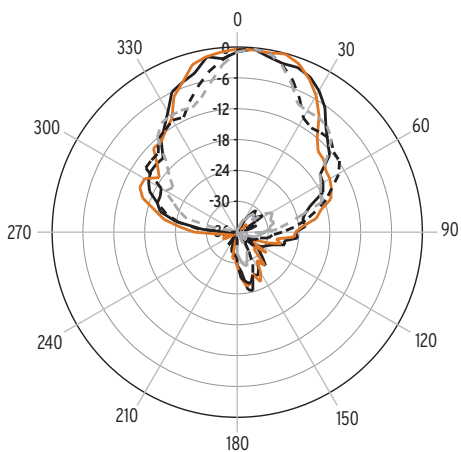
KI-362-SMA-II

TRAPEZOIDAL 15" 3-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

VERTICAL 1/3 OCTAVE POLARS



KI-362-SMA-II

TRAPEZOIDAL 15" 3-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ARCHITECTURAL SPECIFICATIONS

The KI-362-SMA-II speaker system shall include a 15" (381mm) K-48-ST low-frequency transducer utilizing a 3" (76.2mm) voice coil, 104-ounce (2.95kg) magnet and motor magnet assembly, a mid-frequency K-53-TI 1.5" (38.1mm) titanium diaphragm 20-ounce (568g) magnet compression driver mounted on a 90° X 60° heavy-duty, injection molded modified Tractrix Horn, and a K-100-TI 1" (25.4mm) titanium diaphragm high-frequency 10-ounce (284g) magnet compression driver mounted on a 90° X 60° heavy-duty, injection molded modified Tractrix Horn. Signal shall be applied to the transducers via full-range passive internal frequency-dividing networks, incorporating KLIP-circuits for signal overload protection of the mid- and high-frequency transducers. The enclosure tuning shall be of a vented design.

Frequency response shall be 54Hz to 20kHz, +/- 3dB, with the -10dB point at 38Hz, measured at three meters, half-space anechoic. The dispersion angle shall be 90° X 60° nominal. Directivity shall be 8dB. Sensitivity shall be 101dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 400 watts (42 volts), to AES standards, continuous pink noise, 40Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 124dB SPL. Nominal impedance shall be 8 ohms, with 4.4 ohms minimum at 106Hz. The internal passive crossover frequencies shall be 1.26kHz and 6.8kHz, with slopes of 12dB/octave on the low frequency, 18dB/octave and 12dB/octave on the mid

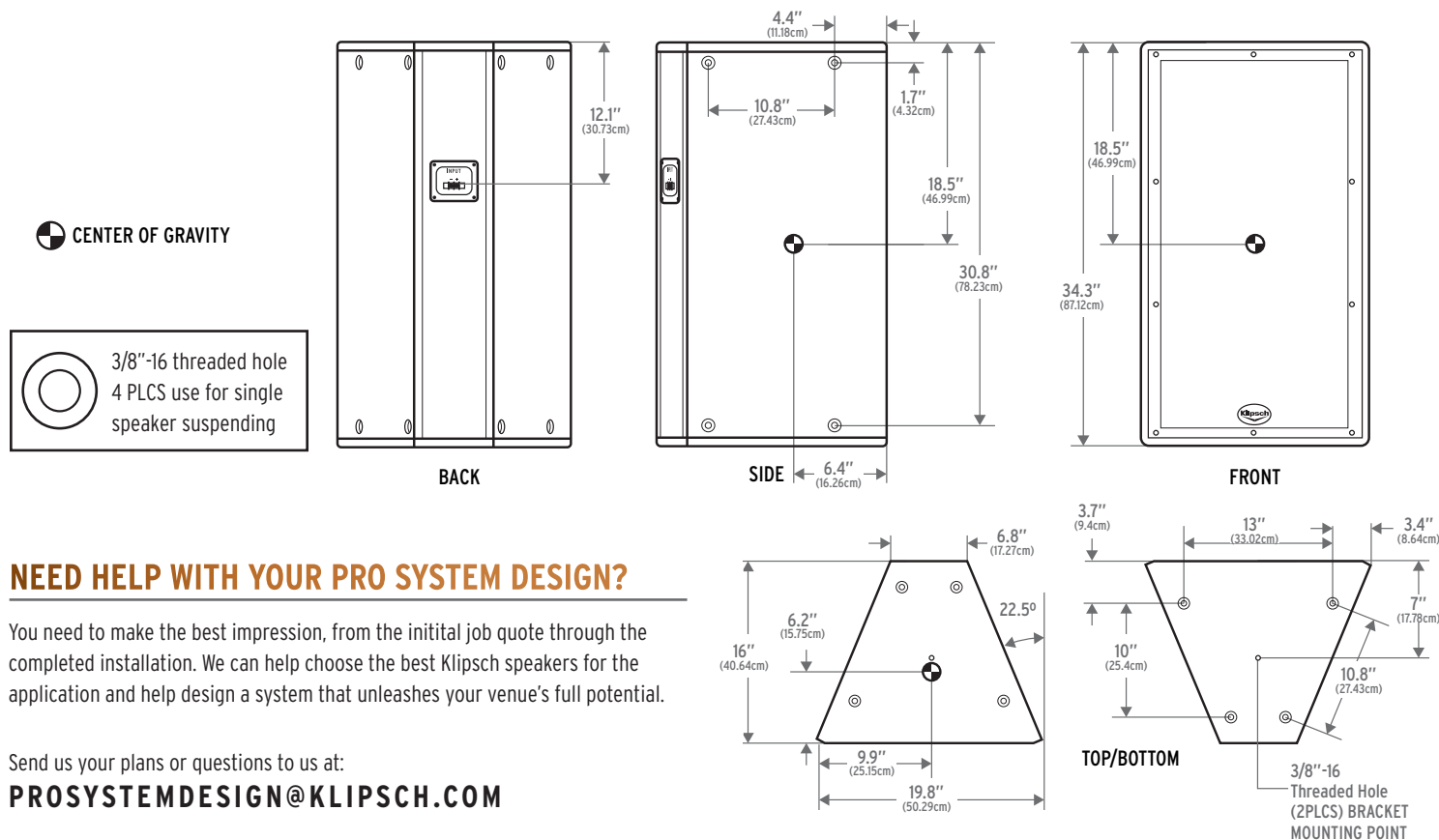
frequency, and 18dB/octave on the high frequency. Signal connections shall be made via a two-point barrier strip.

The enclosure panels shall be CNC-fabricated, 3/4" 7-ply birch plywood, assembled using rabbet and dado joinery. The motorboard baffle shall be 1" (2.54cm) medium density fiberboard. Dimensions for the enclosure shall be 34.3" (87.12cm) high by 16.0" (40.64cm) deep by 19.8" (50.29cm) front width and 6.8" (17.27cm) rear width in a symmetrical trapezoidal shape, with both side panels angled at 22.5°. Net weight shall be 70 lbs. (31.8kg). The enclosed will have a straight metal perforated grille for structural integrity and protection of the transducers from impact and tampering. Enclosure flying capability shall be provided via sixteen internal 3/8" 16-thread mounting points, four per top, bottom and both sides.

Enclosure bracket mounting is provided with one 3/8"-16 threaded mount point on the top and bottom panels.

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 birch.

The system shall be a Klipsch KI-362-SMA-II loudspeaker.



NEED HELP WITH YOUR PRO SYSTEM DESIGN?

You need to make the best impression, from the initial job quote through the completed installation. We can help choose the best Klipsch speakers for the application and help design a system that unleashes your venue's full potential.

Send us your plans or questions to us at:

PROSYSTEMDESIGN@KLIPSCH.COM

KI-362-SMA-II

TRAPEZOIDAL 15" 3-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ORDERING INFORMATION

KI-362-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062024	KI-362-B-SMA-II	Black	1	Standard 8 ohm speaker	743878027990
1062025	KI-362-W-SMA-II	White	1	Standard 8 ohm speaker	743878029093
1062026	KI-362-R-SMA-II	Raw Birch	1	Standard 8 ohm speaker	743878029086

KI-362-SMA-II CARTON DIMENSIONS

HEIGHT	37" (94.0 cm)
WIDTH	22" (55.8 cm)
DEPTH	18.9" (48.0 cm)

KI-396-SMA-II

HIGH OUTPUT 15" 2-WAY LOUDSPEAKER



Klipsch®

KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET



PRODUCT OVERVIEW

The Klipsch KI-396-SMA-II has incredible output capability with exceptional low-distortion clarity. The compact 22.5° symmetrical, trapezoidal design houses a 15" high-excursion cast frame heavy-duty woofer, a large 3" titanium high-frequency compression driver and a 90° x 60° Tractrix® Horn for tight pattern control.

The loudspeaker enclosure is constructed using a 3/4" 7-ply birch plywood, and a 1" medium density fiberboard front motorboard. The KI-396-SMA-II is available in black or white using a laquer-based finish, or unfinished Raw Birch.

The KI-396-SMA-II permanent install speaker has 16 suspension points (4 per side) for flexible mounting and rigging bar compatibility and includes top and bottom mounting locations for a C-bracket.

FEATURES

- Very high output capability with exceptional low-distortion clarity
- Compact 22.5° symmetrical trapezoidal design
- 16 suspension points for (4 per side) for flexible mounting and rigging bar compatibility
- 15" cast frame heavy-duty woofer
- Large 3" (7.62cm) titanium diaphragm high-frequency compression driver
- Internal high current full-range crossover
- Available in Black, White or Raw Birch finish

APPLICATIONS

- Performing Spaces
- Auditoriums and Houses of Worship
- Bars and Music Clubs
- Small/medium Sports Facilities
- Theme Parks and Leisure Venues
- Transportation Facilities

DESIGNED AND MADE IN THE USA USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's KI series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	60 Hz - 18 kHz (-10 dB @ 35 Hz)
POWER HANDLING²	600 watts (56V) 2400 watts peak
MAXIMUM SPL³	127 dB Continuous 133 dB Peak
SENSITIVITY⁴	101 dB
COVERAGE	Horizontal: 90° +/- 30° 400 Hz - 13 kHz Vertical: 60° +/- 20° 1.6 kHz - 20 kHz
DIRECTIVITY INDEX (DI)	8 dB +/- 2 dB 1.6 kHz - 20 kHz
DIRECTIVITY FACTOR (Q)	6.3
NOMINAL IMPEDANCE	8 ohms, minimum 5.1 ohms @ 112 Hz
CROSSOVER FREQUENCY	1 kHz
COMPONENTS	One K-48-ST 15" woofer One K-691 3" titanium compression driver on a K-510 horn
INPUT CONNECTION	Two point barrier strip
MOUNTING OPTION	Sixteen 3/8"-16 flypoints
BRACKET MOUNT	One attachment point for C-bracket Top and Bottom: 3/8"-16
ENCLOSURE MATERIAL	3/4" 7-ply birch plywood cabinet 1" MDF motorboard
HEIGHT	34.3" (87.12cm)
WIDTH	19.8" (50.29cm) front 6.8" (17.27cm) rear
DEPTH	16" (40.64cm)
WEIGHT	76 lbs. (34.54kg)
FINISHES	Black, White and Raw Birch finish

¹ 3M, Half-spaced anechoic

² AES standard, continuous pink noise, 6 dB peaks

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

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

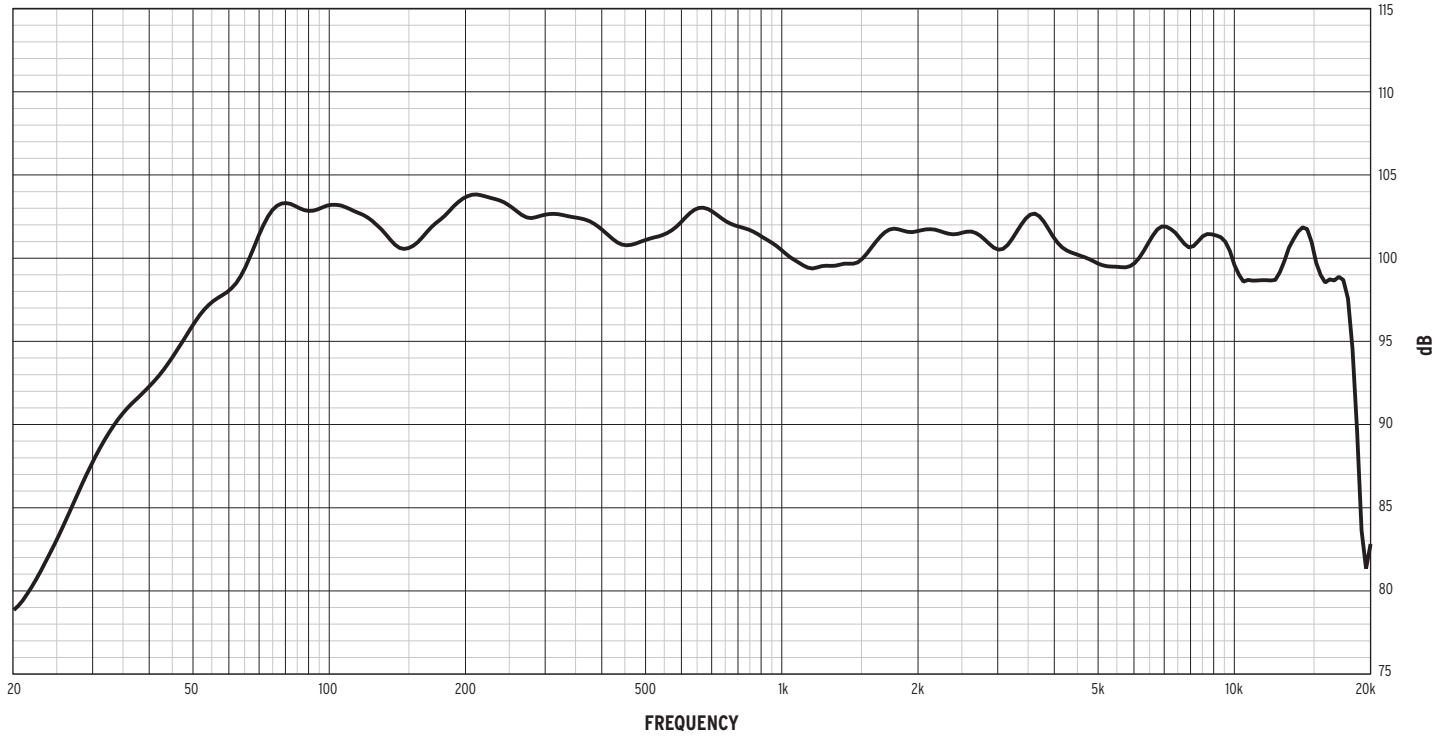
KI-396-SMA-II

HIGH OUTPUT 15" 2-WAY LOUDSPEAKER

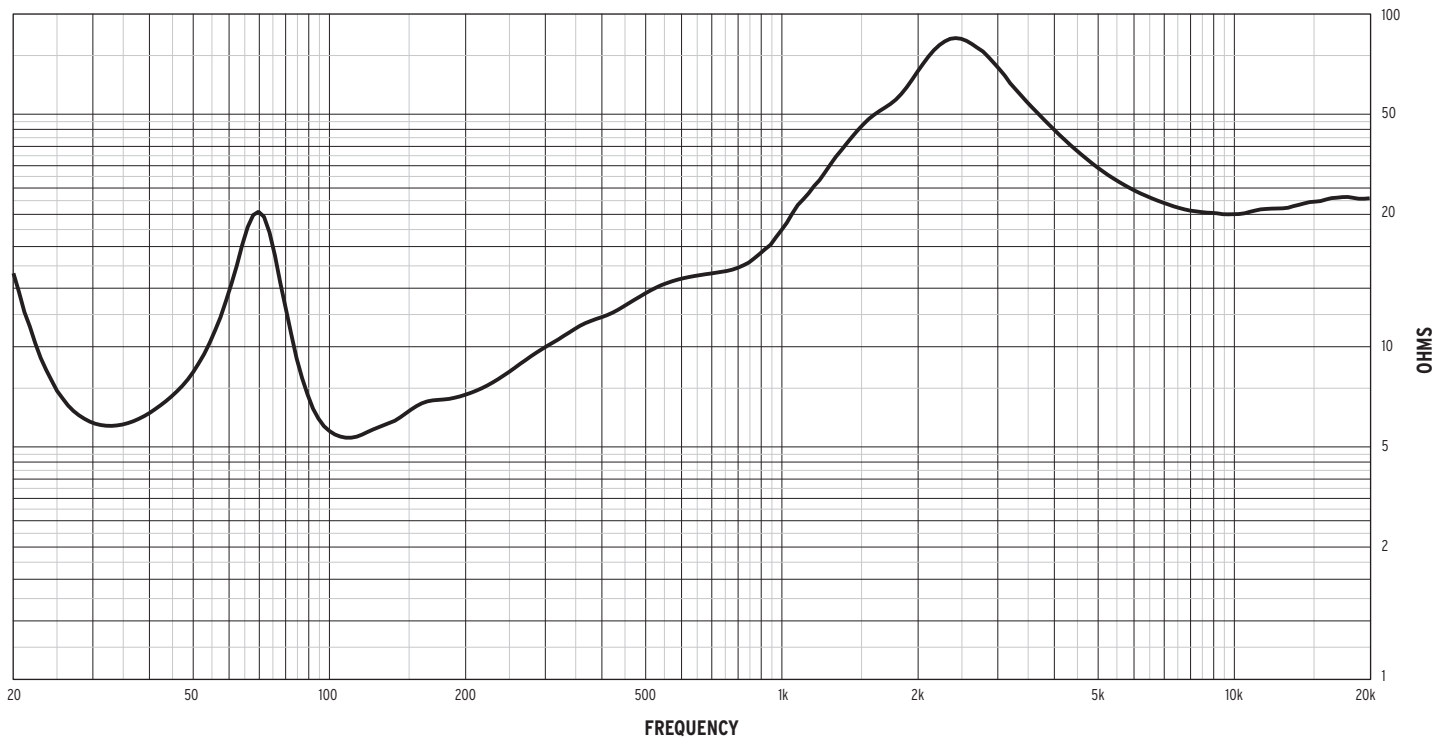


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

FREQUENCY RESPONSE



IMPEDANCE



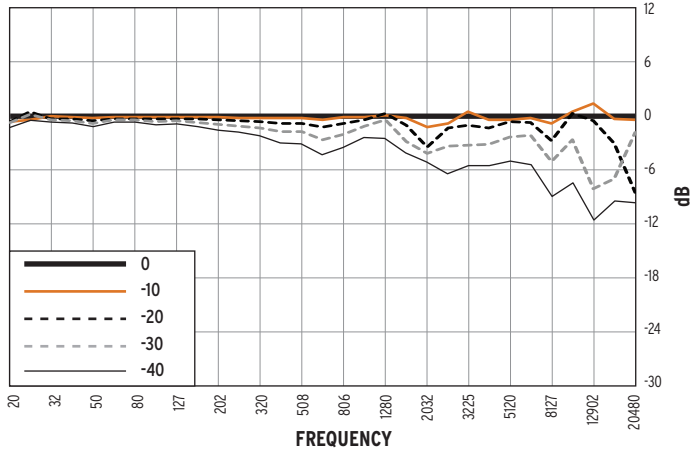
KI-396-SMA-II

HIGH OUTPUT 15" 2-WAY LOUDSPEAKER

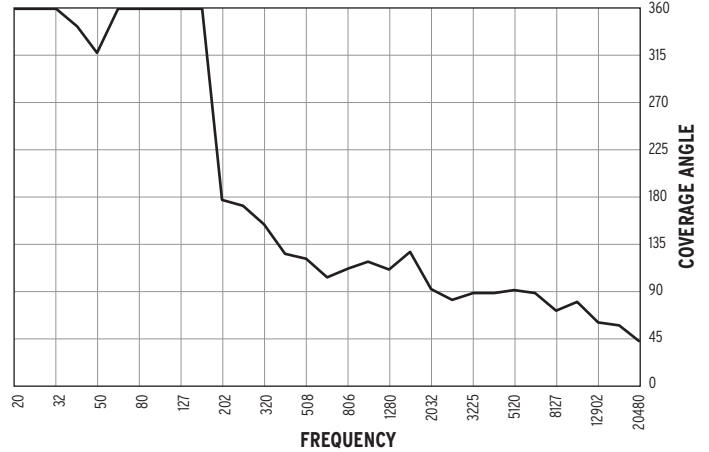


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

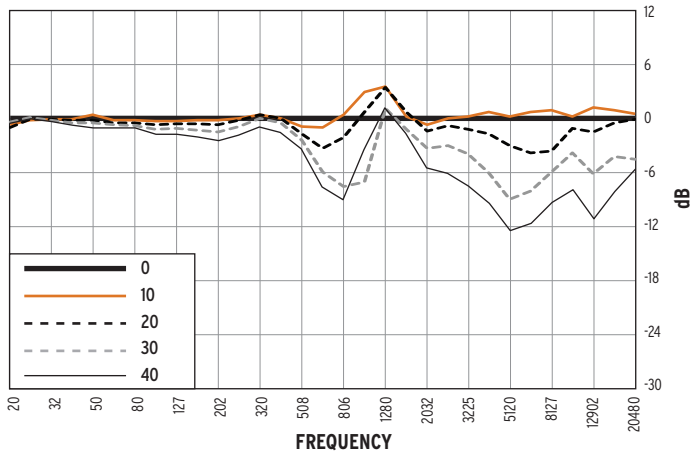
HORIZONTAL OFF AXIS TRANSFER FUNCTION



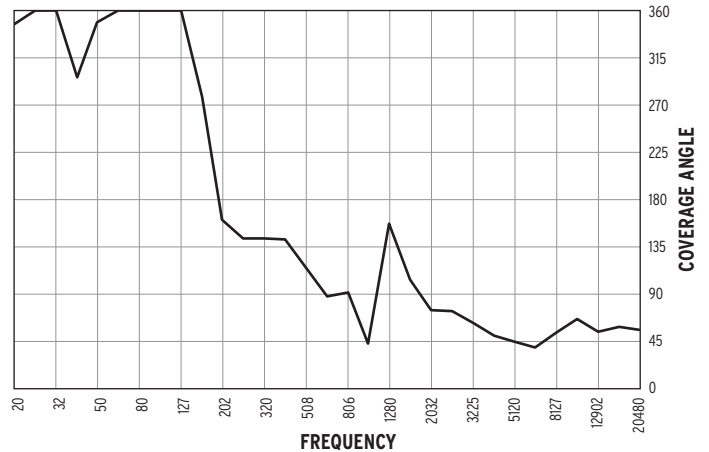
HORIZONTAL COVERAGE (-6dB)



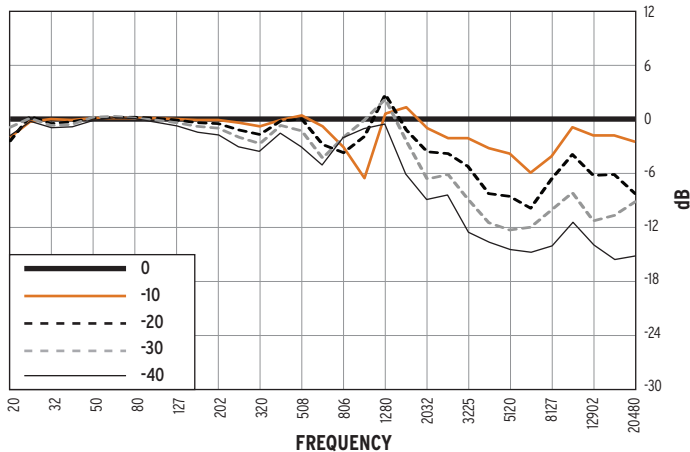
VERTICAL OFF AXIS TRANSFER FUNCTION UP



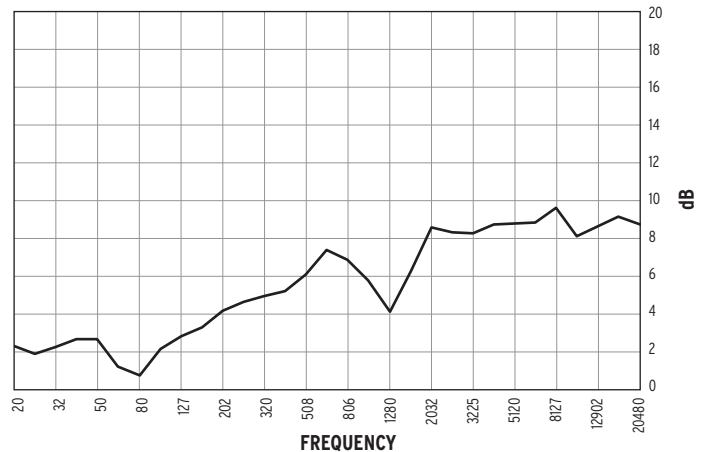
VERTICAL COVERAGE (-6dB)



VERTICAL OFF AXIS TRANSFER FUNCTION DOWN



DIRECTIVITY INDEX



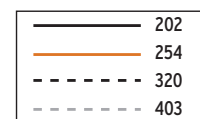
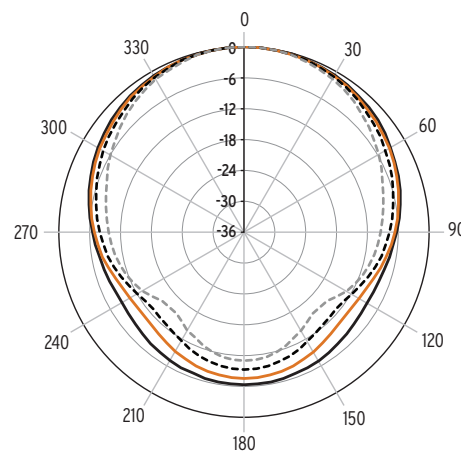
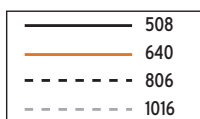
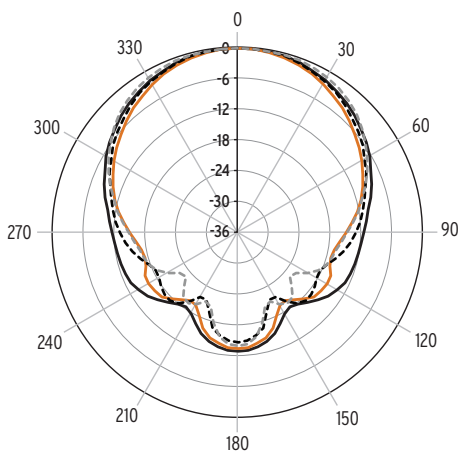
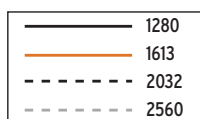
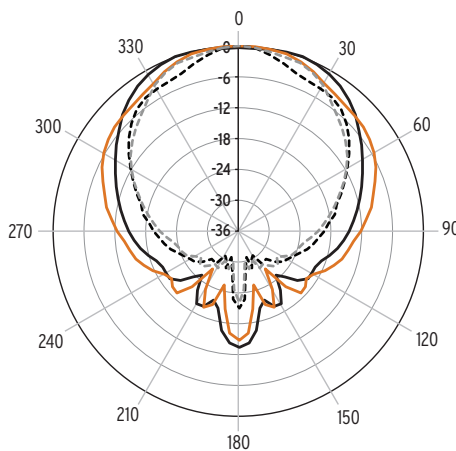
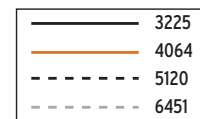
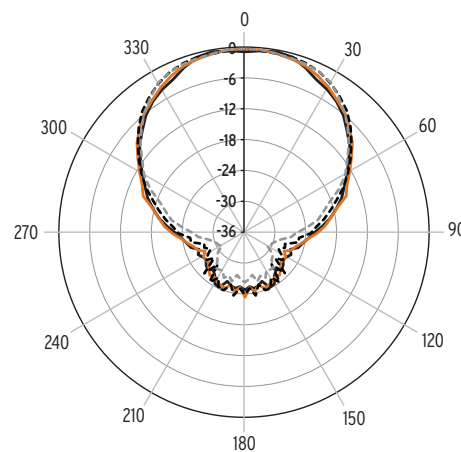
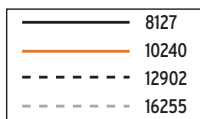
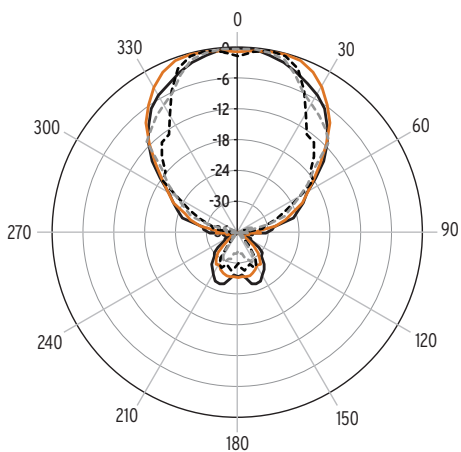
KI-396-SMA-II

HIGH OUTPUT 15" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

HORIZONTAL 1/3 OCTAVE POLARS



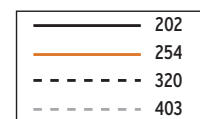
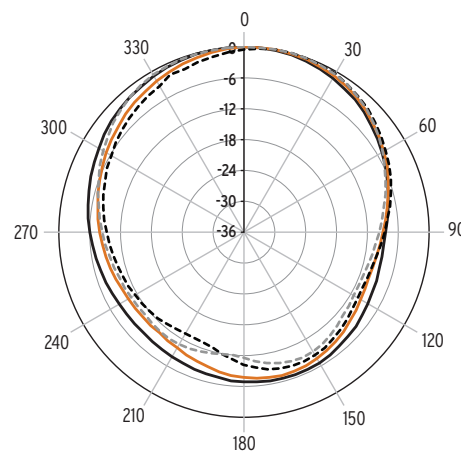
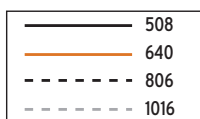
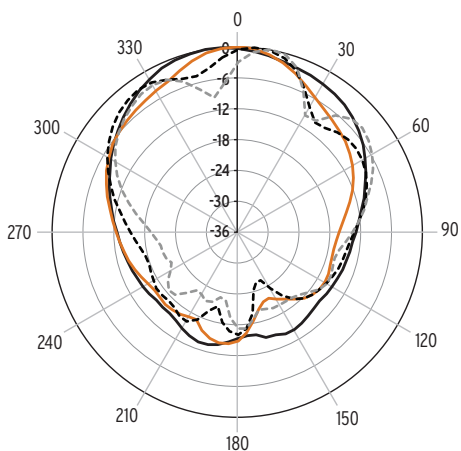
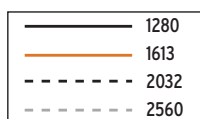
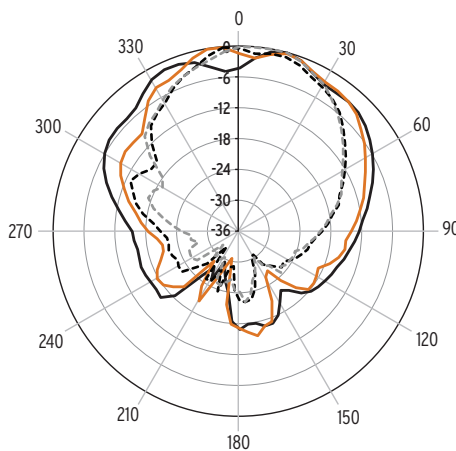
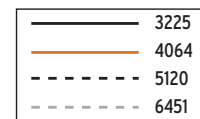
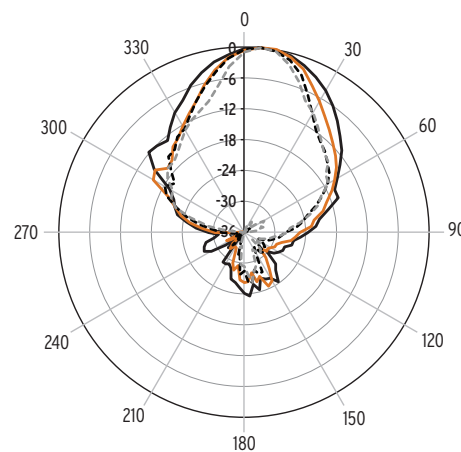
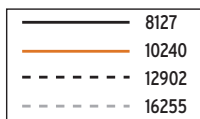
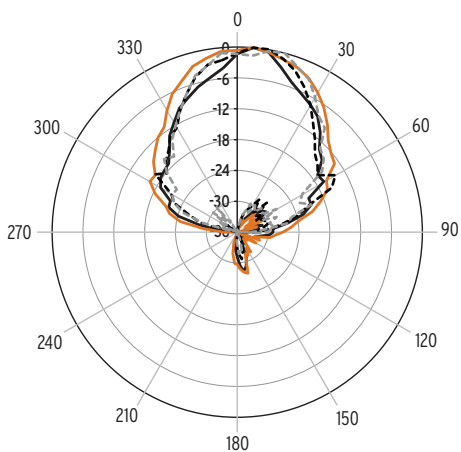
KI-396-SMA-II

HIGH OUTPUT 15" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

VERTICAL 1/3 OCTAVE POLARS



KI-396-SMA-II

HIGH OUTPUT 15" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ARCHITECTURAL SPECIFICATIONS

The KI-396-SMA-II high power 15" three-way trapezoidal speaker system shall include a 15" (381mm) K-48-ST low-frequency transducer utilizing a 3" (76.2mm) voice coil, 104-ounce (2.95kg) magnet and motor magnet assembly, a High-frequency 3" (76.2mm) titanium diaphragm 64-ounce (1.82kg) magnet compression driver mounted on a 90° X 60° heavy-duty, injection molded modified Tractrix Horn. Signal shall be applied to the transducers via full-range internal frequency-dividing network. The enclosure tuning shall be of a vented design.

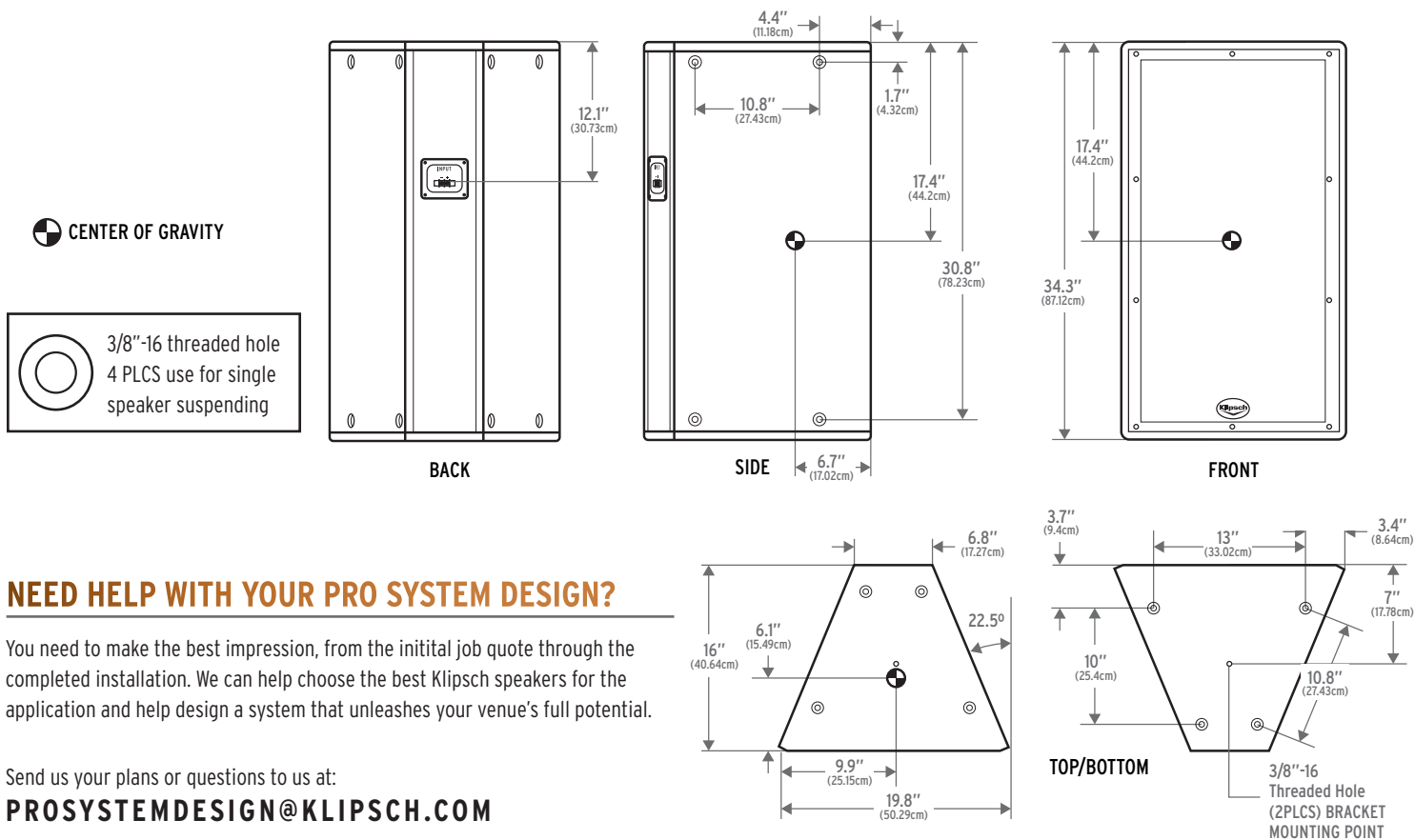
Frequency response shall be 60Hz to 18kHz, +/- 3dB, with the -10dB point at 35Hz, measured at three meters, half-space anechoic. The dispersion angle shall be 90° X 60° nominal. Directivity Index shall be 8dB. Sensitivity shall be 101dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 600 watts (56 volts), to AES standards, continuous pink noise, 40Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 127dB SPL. Nominal impedance shall be 8 ohms, with 5.1 ohms minimum at 112Hz. The internal passive crossover frequencies shall be 1kHz, with slopes of 12dB/octave on the low frequency, and 18dB/octave on the high frequency. Signal connections shall be made via a two-point barrier strip.

The enclosure panels shall be CNC-fabricated, 3/4" 7-ply birch plywood, assembled using rabbet and dado joinery. The motorboard baffle shall be 1" (2.54cm) medium density fiberboard. Dimensions for the enclosure shall be 34.3" (87.12cm) high by 16.0" (40.64cm) deep by 19.8" (50.29cm) front width and 6.8" (17.27cm) rear width in a symmetrical trapezoidal shape, with both side panels angled at 22.5°. Net weight shall be 76 lbs. (34.55kg). The enclosed will have a straight metal perforated grille for structural integrity and protection of the transducers from impact and tampering. Enclosure flying capability shall be provided via sixteen internal 3/8" 16-thread mounting points, four per top, bottom and both sides.

Enclosure bracket mounting is provided with one 3/8"-16 threaded mount point on top and bottom panels.

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 birch.

The system shall be a Klipsch KI-396-SMA-II loudspeaker.



NEED HELP WITH YOUR PRO SYSTEM DESIGN?

You need to make the best impression, from the initial job quote through the completed installation. We can help choose the best Klipsch speakers for the application and help design a system that unleashes your venue's full potential.

Send us your plans or questions to us at:

PROSYSTEMDESIGN@KLIPSCH.COM

KI-396-SMA-II

HIGH OUTPUT 15" 2-WAY LOUDSPEAKER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ORDERING INFORMATION

KI-396-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062027	KI-396-B-SMA-II	Black	1	Standard 8 ohm speaker	743878028003
1062028	KI-396-W-SMA-II	White	1	Standard 8 ohm speaker	743878029116
1062029	KI-396-R-SMA-II	Raw Birch	1	Standard 8 ohm speaker	743878029109

KI-396-SMA-II CARTON DIMENSIONS

HEIGHT	37" (94.0 cm)
WIDTH	22" (55.8 cm)
DEPTH	18.9" (48.0 cm)

KI-115-SMA-II

SINGLE 15" SUBWOOFER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET



PRODUCT OVERVIEW

Designed for high output and long-term reliability, the Klipsch KI-115-SMA-II low frequency enclosure utilizes a single K-48-ST cast frame 15" woofer. This 104-ounce magnet, 3" voice coil powerhouse delivers high sensitivity with superior power handling. Klipsch's specially designed speaker motor assembly ensures that high transient cone excursions won't damage the voice coil former under extreme output applications.

Perfect for music reinforcement and reproduction, the KI-115 finds ready application in clubs, theaters, auditoriums, churches and performance environments. The rugged, tuned port, 3/4" furniture grade plywood enclosure utilizes CNC fabrication techniques for uniform tolerances, contributing to advanced reliability and ruggedness. Dado "locktab" and rabbet joint construction contribute to freedom from resonance and cabinet-induced coloration.

FEATURES

- High power 15" low frequency speaker system
- Compatible with Klipsch KI-102-SMA-II, KI-172-SMA-II, KI-262-SMA-II, and KI-272-SMA-II speaker models
- Specially designed motor assembly assure high transient cone excursions do not harm the voice coil under extreme out application
- Four suspension points on the back of cabinet (face down orientation only)
- 124 dB SPL maximum output
- Available in Black, White or Raw Birch finish

APPLICATIONS

- Performing Spaces
- Auditoriums and Houses of Worship
- Bars and Music Clubs
- Small/medium Sports Facilities
- Theme Parks and Leisure Venues

DESIGNED AND MADE IN THE USA

USING DOMESTIC AND IMPORTED COMPONENTS

In 1946, Paul W Klipsch, genius & maverick, hand-built his first loudspeaker in a tin shed with the intention of bringing live music into his living room. Remember great sound? We do, too. Today, Klipsch's KI series speaker enclosures are made in the USA, by proud craftsmen in Hope, Arkansas. Just like PWK intended.

SPECIFICATIONS

FREQUENCY RESPONSE¹ (+/- 3 dB)	49 Hz - 200 kHz (-10 dB @ 35 Hz)
POWER HANDLING²	400 watts (44.7V) 1600 watts peak
MAXIMUM SPL³	124 dB Continuous 130 dB Peak
SENSITIVITY⁴	101 dB
NOMINAL IMPEDANCE	8 ohms, minimum 5 ohms @ 39 Hz
COMPONENTS	One K-48-ST 15" woofers
INPUT CONNECTION	Two point barrier strip
MOUNTING OPTIONS	Four 3/8"-16 flypoints
ENCLOSURE MATERIAL	3/4" 7-ply birch plywood cabinet
HEIGHT	18.5" (46.99cm)
WIDTH	24.6" (62.48cm)
DEPTH	19.2" (48.77cm)
WEIGHT	62 lbs. (28.18kg)
FINISHES	Black, White and Raw Birch finish

¹ 3M, Half-spaced anechoic

² AES standard, continuous pink noise, 6 dB peaks

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

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

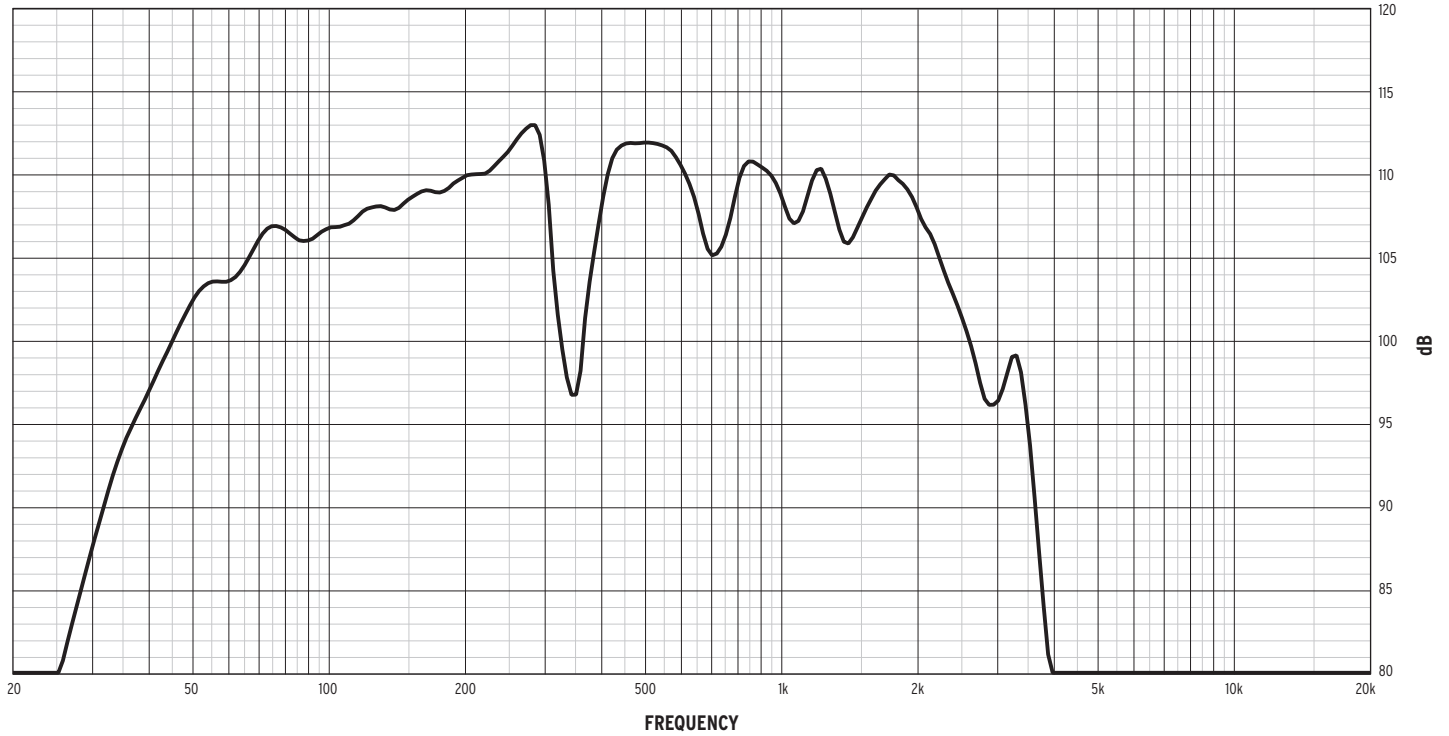
KI-115-SMA-II

SINGLE 15" SUBWOOFER

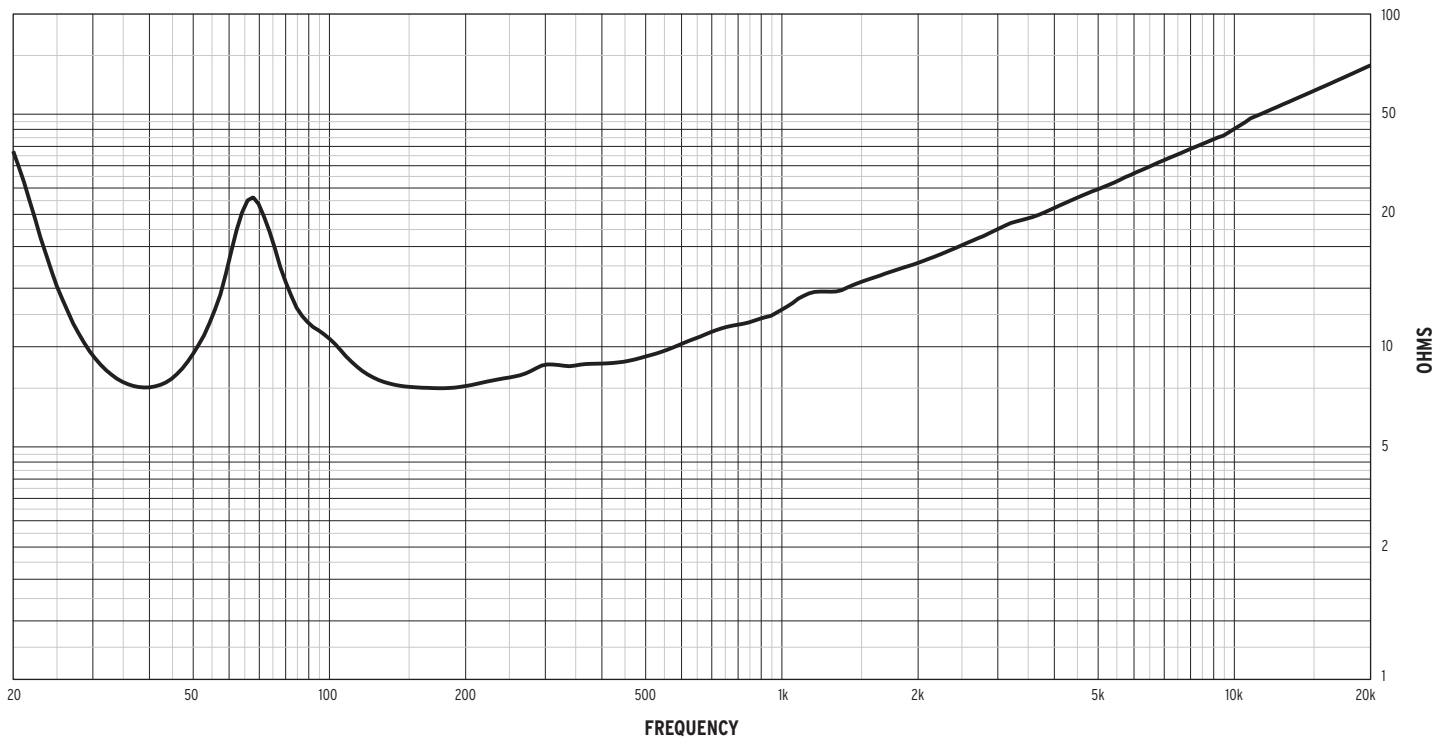


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

FREQUENCY RESPONSE



IMPEDANCE



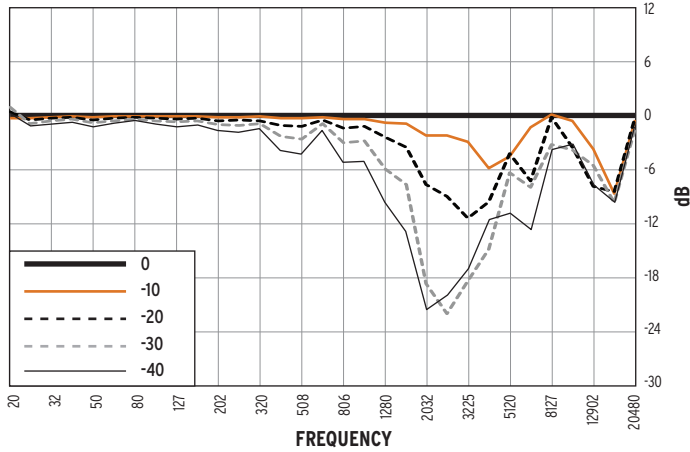
KI-115-SMA-II

SINGLE 15" SUBWOOFER

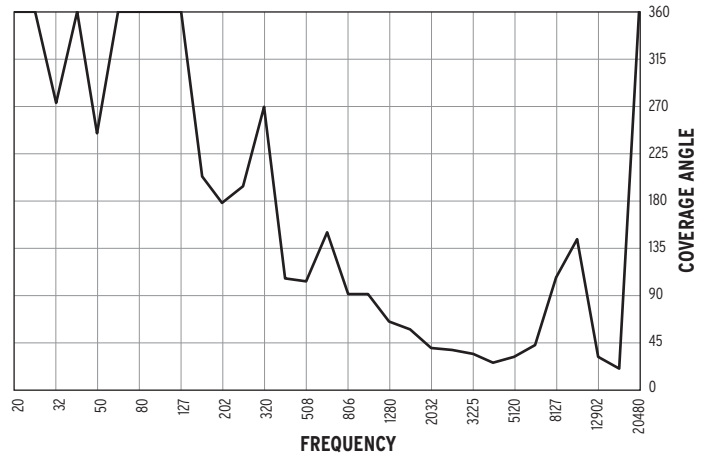


KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

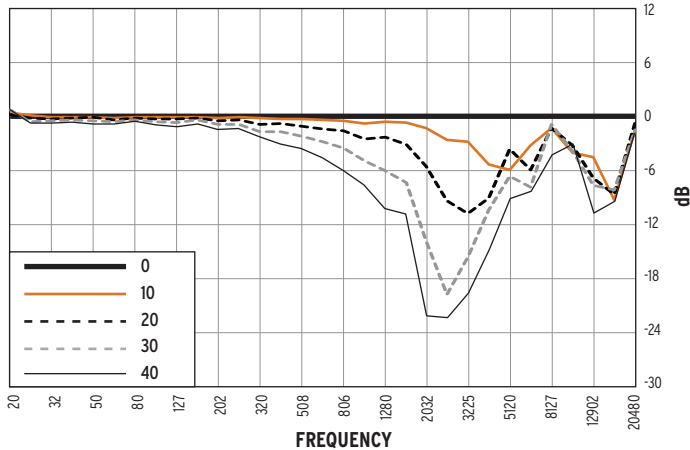
HORIZONTAL OFF AXIS TRANSFER FUNCTION



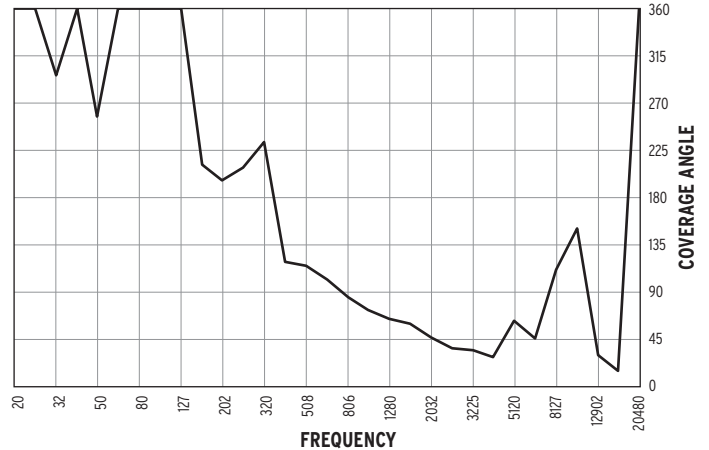
HORIZONTAL COVERAGE (-6dB)



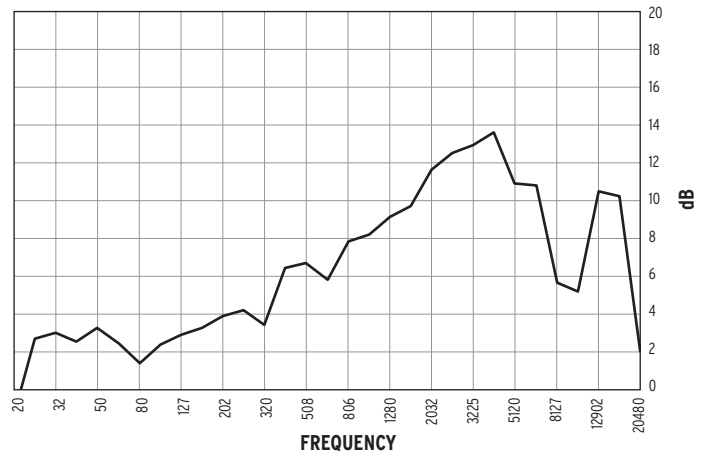
VERTICAL OFF AXIS TRANSFER FUNCTION



VERTICAL COVERAGE (-6dB)



DIRECTIVITY INDEX



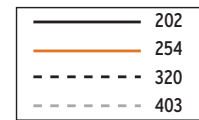
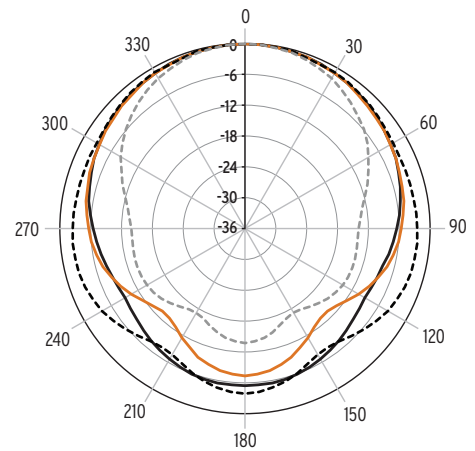
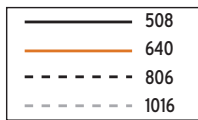
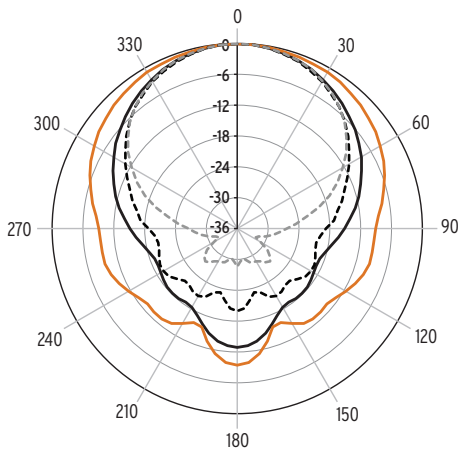
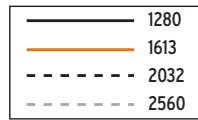
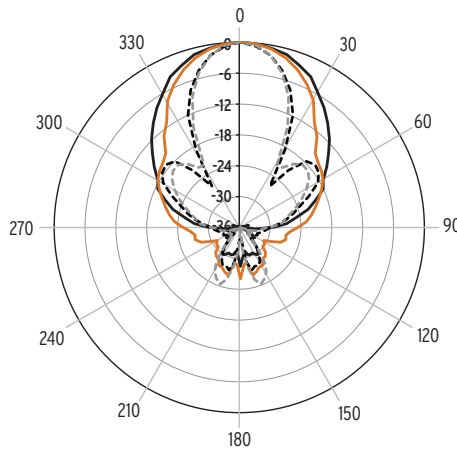
KI-115-SMA-II

SINGLE 15" SUBWOOFER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

HORIZONTAL 1/3 OCTAVE POLARS



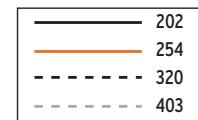
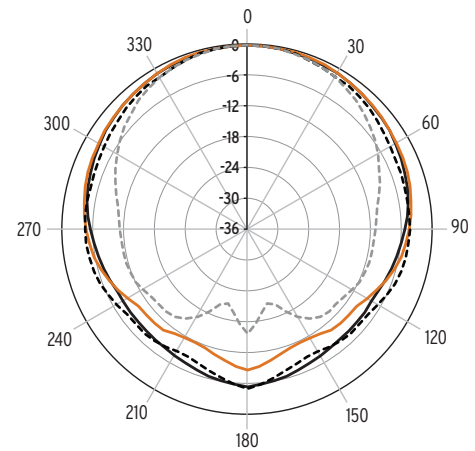
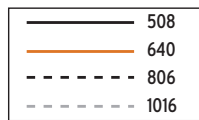
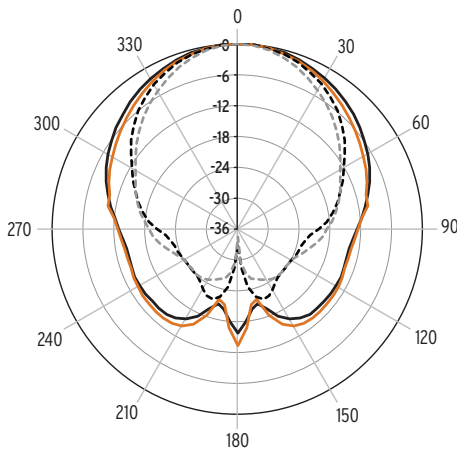
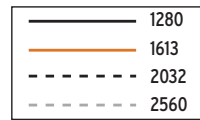
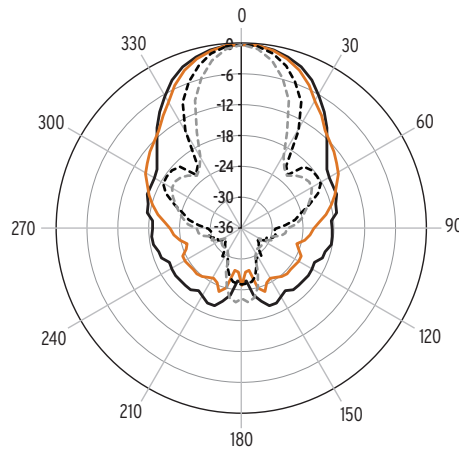
KI-115-SMA-II

SINGLE 15" SUBWOOFER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

VERTICAL 1/3 OCTAVE POLARS



KI-115-SMA-II

SINGLE 15" SUBWOOFER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ARCHITECTURAL SPECIFICATIONS

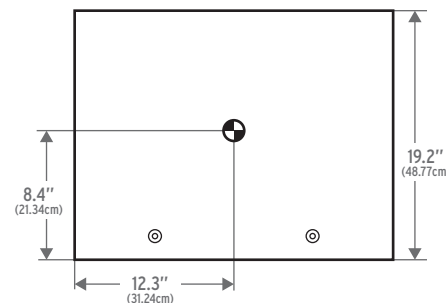
The KI-115-SMA-II professional subwoofer shall include a 15" (381mm) K-45-ST low-frequency transducer utilizing 3" (76.2mm) voice coil, and 104-ounce (2.95kg) motor magnet assembly. The enclosure tuning shall be of a vented design.

Frequency response shall be 49Hz to 200Hz, +/- 3dB, with the -10dB point at 35Hz, measured at three meters, half-space anechoic. Sensitivity shall be 101dB SPL, measured at one meter, half space anechoic, with a 2.83v input. Power handling shall be 400 watts (44.7volts), to AES standards, continuous pink noise, 40Hz to 400Hz, 6db peaks. Calculated maximum continuous output at one meter shall be 124dB SPL. Nominal impedance shall be 8 ohms, with 5 ohms minimum at 39Hz.

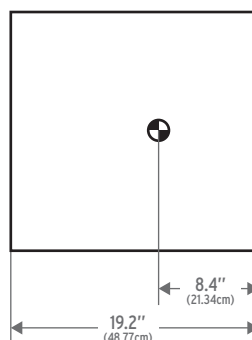
Signal connections shall be made via a two-point barrier strip. The enclosure panels shall be CNC-fabricated, 3/4" 7-ply birch plywood, assembled using rabbet and dado joinery. Dimensions for the enclosure shall be 18.5" (46.99 cm) high by 19.2" (48.77cm) deep by 24.6" (62.48cm) wide, in a rectangular shape. Net weight shall be 62lbs. (28.18kg). The enclosure will have a metal perforated grille for structural integrity and protection of the transducers from impact and tampering. Enclosure flying capability shall be provided via four, on back panel, internal 3/8" 16-thread mounting points.

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 birch.

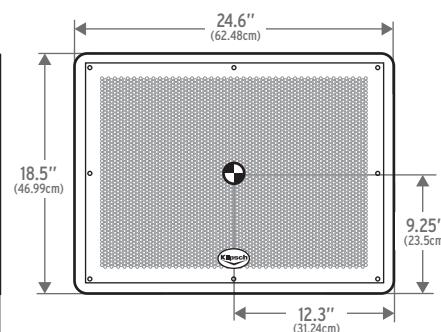
The system shall be a Klipsch KI-115-SMA-II loudspeaker.



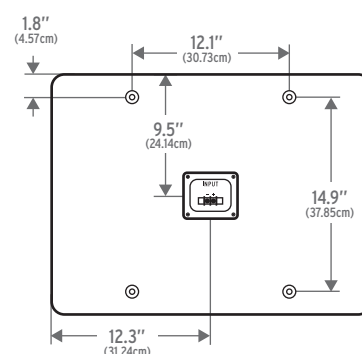
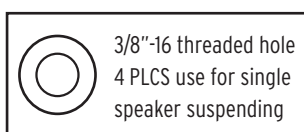
TOP/BOTTOM



SIDE



FRONT



BACK



NEED HELP WITH YOUR PRO SYSTEM DESIGN?

You need to make the best impression, from the initial job quote through the completed installation. We can help choose the best Klipsch speakers for the application and help design a system that unleashes your venue's full potential.

Send us your plans or questions to us at:

PROSYSTEMDESIGN@KLIPSCH.COM

KI-115-SMA-II

SINGLE 15" SUBWOOFER



KLIPSCH PROFESSIONAL | PERMANENT INSTALLATION | DATA SHEET

ORDERING INFORMATION

KI-115-SMA-II

PART NUMBER	MODEL NAME	FINISH	PACKED QUANTITY	DESCRIPTION	UPC
1062011	KI-115-B-SMA-II	Black	1	Standard 8 ohm speaker	743878027952
1062012	KI-115-W-SMA-II	White	1	Standard 8 ohm speaker	743878029178
1062013	KI-115-R-SMA-II	Raw Birch	1	Standard 8 ohm speaker	743878029161

KI-115-SMA-II CARTON DIMENSIONS

HEIGHT	22" (55.9cm)
WIDTH	26.8" (68.1cm)
DEPTH	20.9" (53.1cm)

8" Two-Way All-Purpose Loudspeaker



CA-800T

Perfect for foreground or background distributed sound applications in indoor or outdoor residential, commercial or recreational environments, the new compact, full-range 70-volt CA-800T loudspeaker was designed for those who know better than to expect mediocre output.

Building on the success of our popular CA-8T model, which has been used in a countless number of high-profile installations all over the U.S., the CA-800T version features enhanced cosmetics, added mounting flexibility and even better performance.

For efficiency and reliability, the CA-800T has been re-voiced and employs a high-power, extended range low frequency driver. It features an 8-inch IMG cone woofer and 1-inch titanium dome tweeter coupled to a square-mouth 90-degree by 90-degree Tractrix® Horn, which allows the speaker to be mounted horizontally or vertically without affecting the coverage pattern.

Available in black or white, this speaker has a durable UV-resistant all-weather enclosure that includes an internal multi-tap transformer with expanded range and a switchable direct 8-ohm bypass. The tap settings for the CA-800T at 70V are 60W, 30W, 15W, 7.5W and 3.7W. The added 3.7W tap setting offers further placement flexibility. The settings for 100V are 60W, 30W, 15W and 7.5W.

The included heavy gauge zinc C-bracket provides added mounting strength. It attaches to the enclosure's integral "center-of-gravity balanced" threaded studs that are positioned inside the speaker and to the oversized knobs, ensuring positive position-lock. Connections are provided via four-position barrier strips. This allows an installer to use two connectors for inputs and two for pass-throughs, making it easier to daisy chain.

The CA-800T's updated grille design stays securely fastened and incorporates a new paint formulation for increased weather resistance and years of maintenance-free protection regardless of the climate or environment. The speaker's improved input cup allows for easier drainage and the added 3/8"-16 threaded insert for use with optional mounts offers better placement flexibility.

- Paintable UV-resistant ABS enclosure with rustproof aluminum grille
- Very high sensitivity and power handling
- Built-in 60-watt, 70V/100V multi-tap transformer with 8-ohm bypass
- 90° x 90° Tractrix Horn tweeter for clean, clear highs
- Supplied with C-style mounting bracket and stainless steel hardware

SPECIFICATIONS

FREQUENCY RESPONSE ¹	64-17.5kHz ± 4dB
POWER HANDLING ²	100W (21V)
MAX CONTINUOUS OUTPUT ³	113dB
SENSITIVITY (2.83V/1M) ⁴	96dB
HORIZONTAL COVERAGE	90° ± 40 1.2kHz-20kHz
VERTICAL COVERAGE	90° ± 30 1kHz-20kHz
DI	7 ± 2.5dB 700Hz-20kHz
Q	5
NOMINAL IMPEDANCE	8 ohms (4.5 ohm min @167Hz)
CROSSOVER	1.9kHz with 12dB/Octave high-pass 12dB/Octave low-pass
TRANSDUCERS	One K-1183-A 8" woofer with IMG Cone One K-150-A 1" titanium diaphragm compression driver
ENCLOSURE TUNING	Vented System via front firing ports
ENCLOSURE MATERIAL	All-weather ABS plastic, paintable
INPUT CONNECTORS	4 position terminal strip
TRANSFORMER TAPS	70V: 60W, 30W, 15W, 7.5W, 3.75W 100V: 60W, 30W, 15W, 7.5W, 3.75W Through Position: 8 ohms
HEIGHT	11.125" (28.26cm)
WIDTH	16.375" (41.53cm)
DEPTH	12.31" (31.27cm)
WEIGHT	18 lbs. (8.16kg)

¹ 3M, half space anechoic

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

³ Calculated at 1M at power handling power input

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

www.klipsch.com
1-800-KLIPSCH

