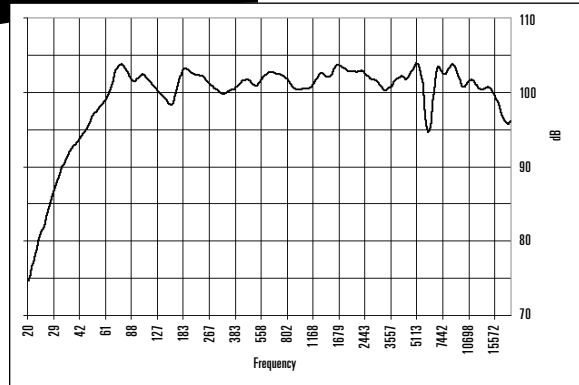
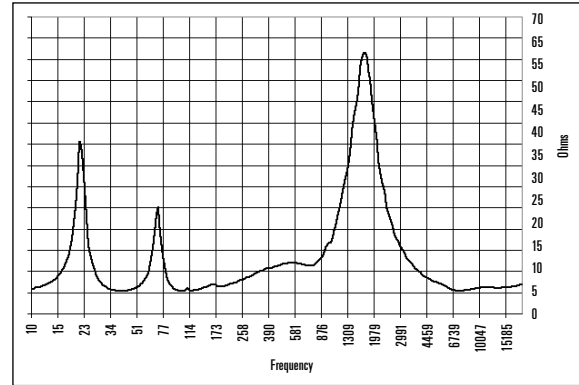


KI-362 HIGH POWER 15" THREE-WAY TRAPEZOIDAL SPEAKER SYSTEM

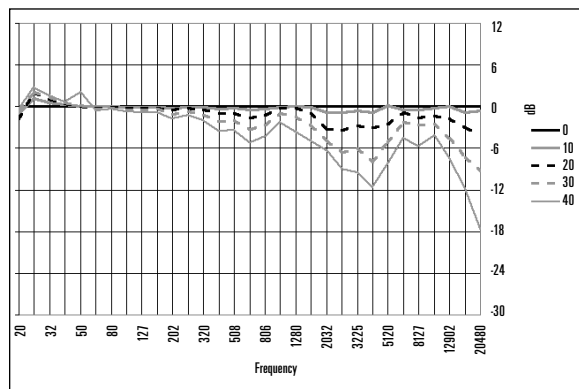
Frequency Response



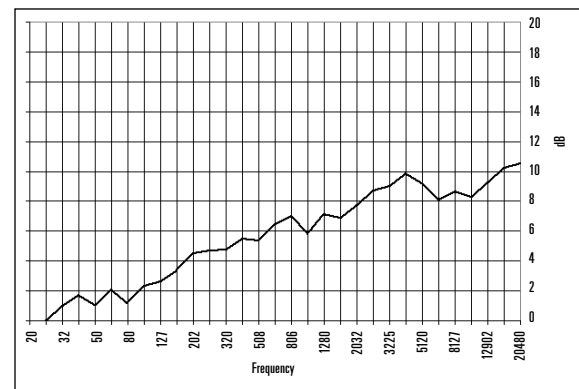
Impedance



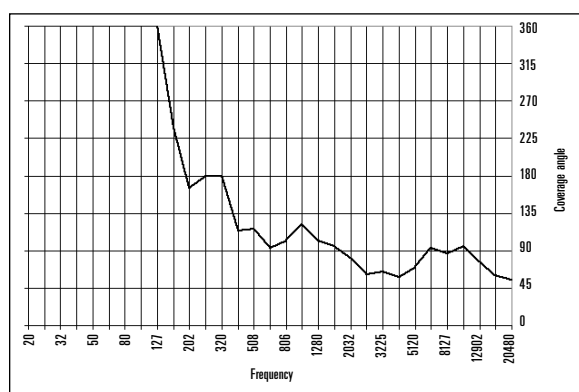
Horizontal Off-Axis Transfer Function



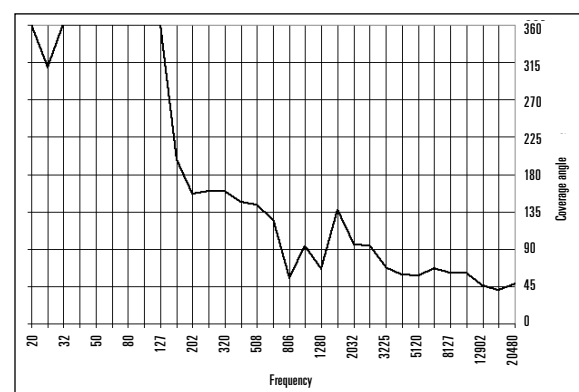
Directivity Index



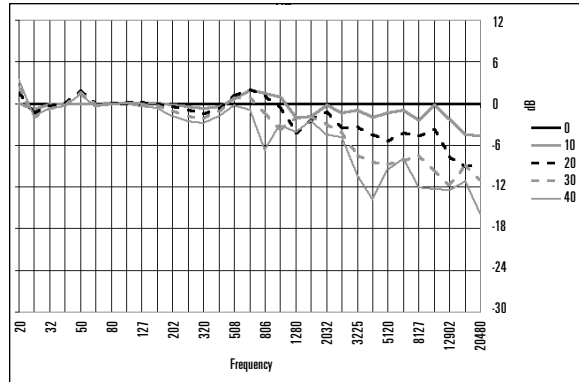
Horizontal Coverage (-6dB)



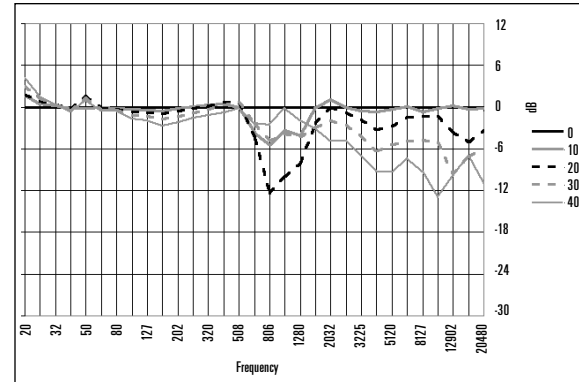
Vertical Coverage (-6dB)



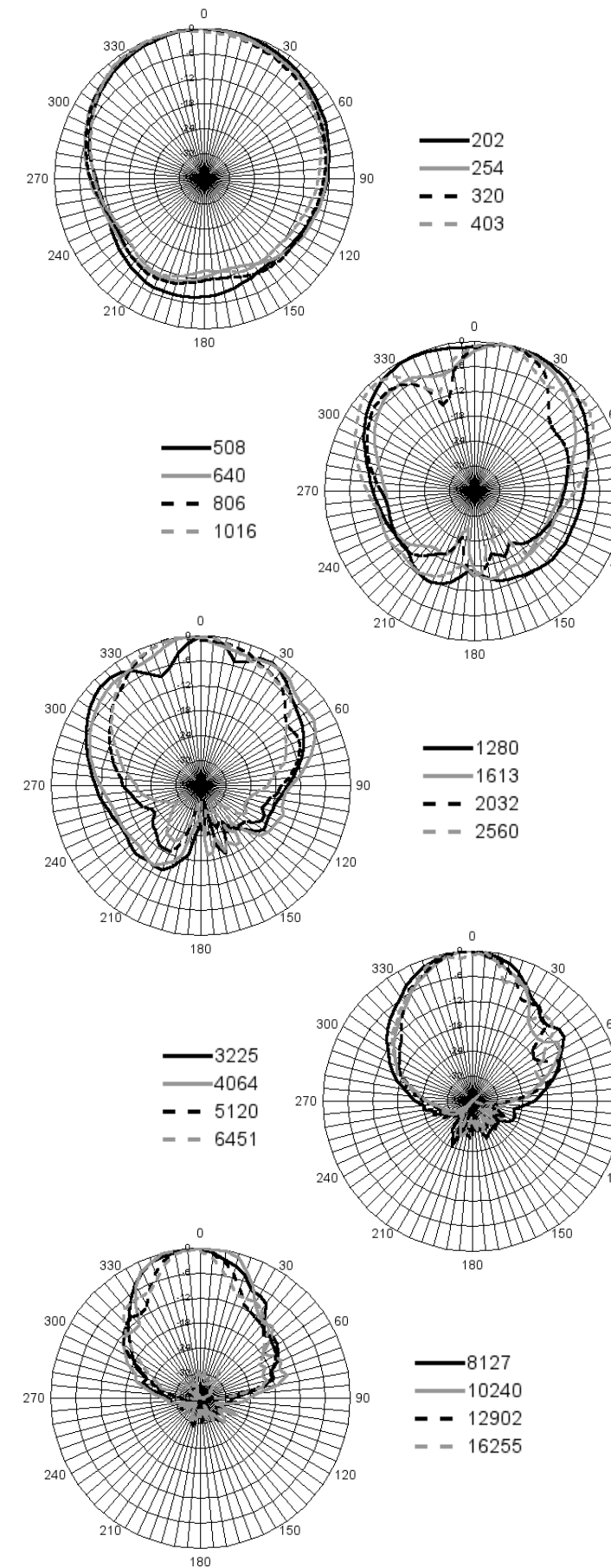
Vertical Off-Axis Transfer Function UP



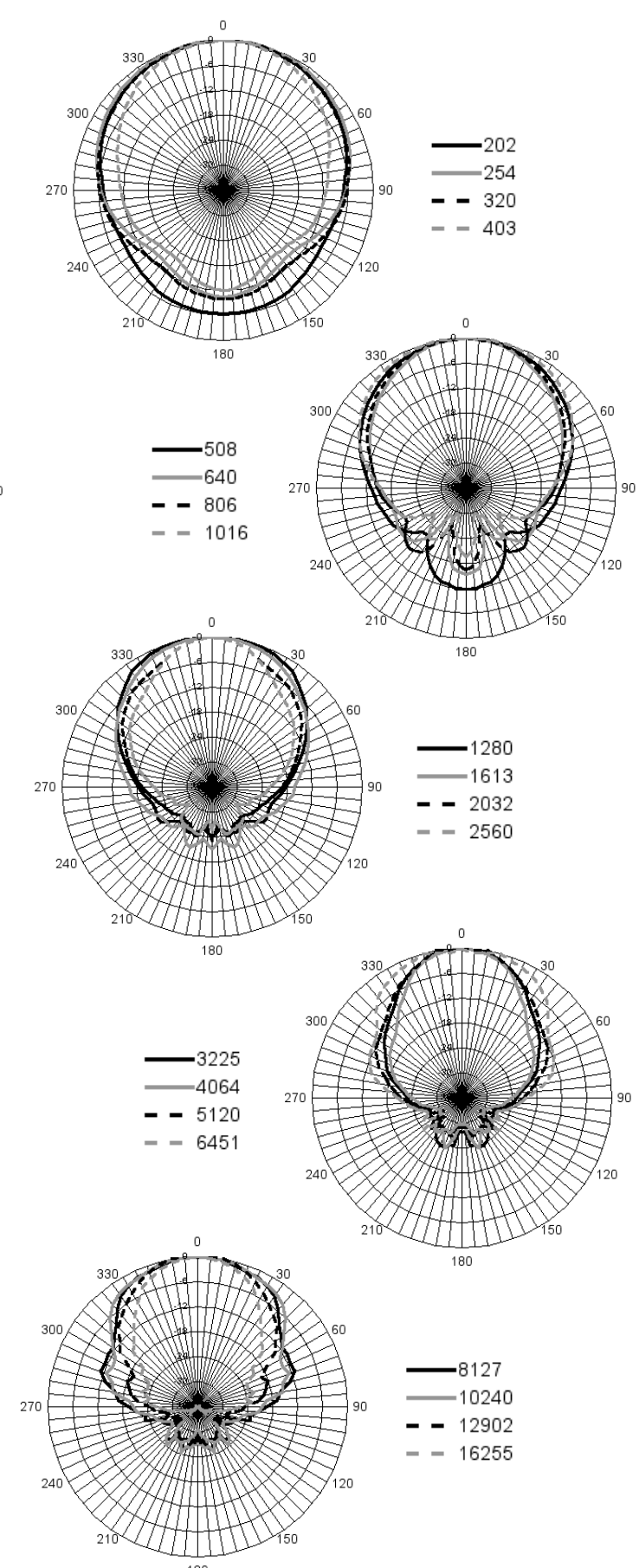
Vertical Off-Axis Function DOWN



Vertical 1/3 Octave Polars



Horizontal 1/3 Octave Polars



Architectural Specifications

The KI-362 high power 15" three-way trapezoidal speaker system shall include a 15" (381mm) K-48-EP low-frequency transducer utilizing a 3" (76.2mm) voice coil, 95-ounce (3.23kg) magnet and motor magnet assembly, a mid-frequency K-52-TI 1.5" (38.1mm) titanium diaphragm 20-ounce (.62kg) magnet compression driver mounted on a 90° X 60° heavy-duty, injection molded Tractrix Horn, and a K-792-TI-KP 1" (25.4mm) titanium diaphragm high-frequency 10-ounce (.311kg) 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 or bi-ampable 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 60Hz to 18kHz, ±4dB, with the -10dB point at 42Hz, measured at three meters, half-space anechoic. The high-frequency dispersion angle shall be 90° X 60° nominal (refer to graph), variable between horizontal and vertical over 360° in 45° increments. Directivity shall be 8dB (refer to graph). Sensitivity shall be 102dB SPL, measured at one meter, half-space anechoic, with a 2.83V input. Power handling shall be 400 watts (45.1 volts), to AES standards, continuous pink noise, 40Hz to 10kHz, 6dB peaks. Calculated maximum continuous output at one meter shall be 126dB SPL. Nominal impedance shall be 8 ohms, with 5.1 ohms minimum at 40Hz.

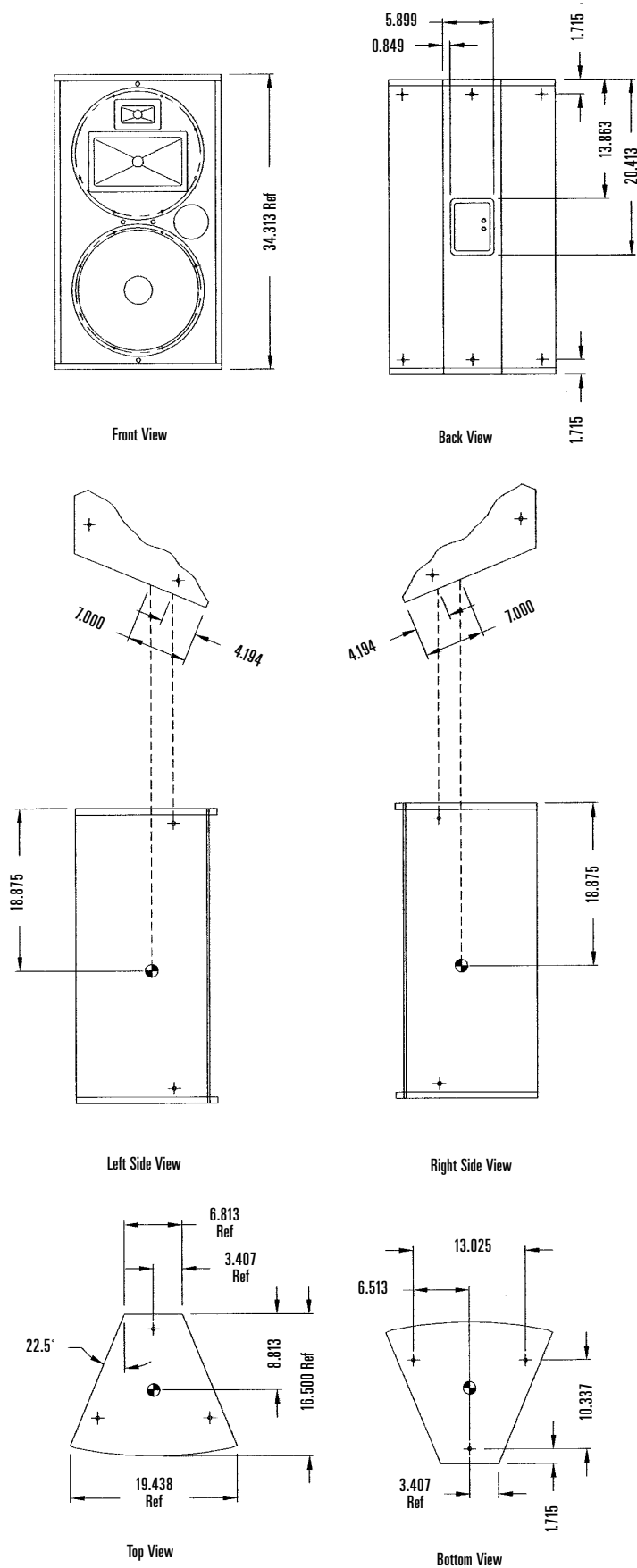
The internal passive crossover frequencies shall be 1kHz and 6.5kHz, with slopes of 12dB/octave on the low frequency, 18dB/octave and 12dB/octave on the mid frequency, and 18dB/octave on the high-frequency. The crossover may be modified for bi-amp application by cutting two easy-access internal wires. Signal connections shall be made via two parallel-wired Neutrik NL-4 Speakon panel mount jacks.

The enclosure panels shall be CNC-fabricated, 9-ply birch plywood, assembled using rabbet and dado joinery. The motorboard baffle shall be 1" (2.54cm) 11-ply birch plywood. Dimensions for the enclosure shall be 34.313" (87.155cm) high by 16.5" (41.91cm) deep by 19.438" (49.372cm) 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 71 lbs. (32.234kg). 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 twelve internal 3/8" 16-thread mounting points, three per top, bottom and both sides, with commercially available rigging bar compatibility.

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 loudspeaker.



- This symbol represents the center of gravity.
- ⊕ This symbol indicates mounting point, 3/8-16 UNC threaded hole.



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5M0203
190549 (Rev. 2)

HIGH POWER 15" THREE-WAY TRAPEZOIDAL SPEAKER SYSTEM



This value-engineered compact trapezoidal three-way speaker system is capable of superior performance in both permanent installation and production environments, including theaters, auditoriums, music clubs, houses of worship and A/V production environments.

The KI-362 features a cast frame 15" high excursion woofer, a 1.5" titanium diaphragm midrange compression driver on a 90° X 60° Tractrix Horn and a high sensitivity 1" titanium diaphragm high-frequency compression driver on a 90° X 60° hybrid Tractrix Horn. To permit use at almost any mounting angle, the KI-362's midrange and high-frequency devices are mounted on a circular baffle module. This flexible mounting arrangement is adjustable in 45° (1/8" turn) increments, allowing 60° or 90° projection patterns to be chosen, independent of the vertical, horizontal or lateral orientation of the enclosure.

Safe and reliable suspension capability is provided via twelve built-in 3/8" 16-thread fly points, compatible with readily available commercial flying hardware. The three-per-side rigging points provide for ease of mounting and flexibility in coverage control.

To limit potential damage to the high- and mid-frequency drivers, the internal full-range or bi-ampable high-current passive crossover features the KLIP-circuit, a proprietary high-power overload system. Signal connection is made through dual parallel-wired Neutrik NL-4 Speakon rear-mounted panel jacks.

For extended low-frequency performance, the KI-362 is size, shape and acoustic output-compatible with the Klipsch KI-215 low frequency speaker system, using an external active two-way crossover.

KI-362

- Rotatable module for adjustable mid/high horn directivity
- Compact 22.5° symmetrical trapezoidal design
- 15" cast frame heavy-duty woofer
- 1.5" titanium diaphragm midrange compression driver
- 1" titanium diaphragm high frequency compression driver
- 90° X 60° Tractrix® Horns for tight pattern control
- 12 suspension points for flexible mounting
- 9-ply birch enclosure
- Internal high current full-range or bi-amp passive crossover
- KLIP-circuit mid and HF driver protection devices



Specifications

FREQUENCY RESPONSE ¹	60Hz-18kHz±4dB, -10dB 42Hz (see graph)
POWER HANDLING ²	400 Watts (45.1V)
MAXIMUM CONTINUOUS OUTPUT ³	126dB
DISPERSION ANGLE	90° Horizontal X 60° Vertical (see graph)
DIRECTIVITY	8dB (see graph)
SENSITIVITY ⁴	102dB
NOMINAL IMPEDANCE	8 Ohms, 5.1 Ohms Minimum at 40Hz (see graph)
CROSSOVER FREQUENCY	1kHz and 6.5kHz
	12dB/Octave on LF
	18dB/Octave and 12dB/Octave on MF
	18dB/Octave on HF
OVERLOAD PROTECTION	KLIP Overload Tweeter and Midrange Protection Circuit
COMPONENTS	K-48-EP 15" Woofer
	K-52-TI 1.5" Titanium Diaphragm Compression Driver
	K-792-TI-KP 1" Titanium Diaphragm Compression Driver
ENCLOSURE MATERIAL	9-Ply Furniture Grade Birch Plywood Cabinet
INPUT CONNECTIONS	Two NL-4 Speakon Connectors Wired in Parallel
DEPTH	16.5" (41.91cm)
HEIGHT	34.313" (87.155cm)
WIDTH FRONT	19.438" (49.372cm)
WIDTH BACK	6.813" (17.305cm) 22.5° Angled Box
NET WEIGHT	71 lbs. (32.234kg)
SHIPPING WEIGHT	84 lbs. (38.136kg)
FINISHES	Black, White and Raw Birch

¹3M, Half-space anechoic

²AES Standard, continuous pink noise 40Hz-10kHz, 6dB peaks

³Calculated at 1M at power handling power input

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