J7-95

3 Way High Output Full Range Loudspeaker

The Jericho product line stands in a class by itself. The Synergy Horn™ technology is the building block for these unique, high output single source designs but additional Danley technologies are also employed for mid and high frequency combining and low frequency loading.

The J7-95 is the most compact product in the Jericho family, but it is true to the line in that it maintains a remarkably high driver density. 18 drivers are connected to a single horn with the (8) x 1" compression drivers mated to a fifth-generation high frequency combiner, (6) x 10" horn loaded low frequency and (4) x 6" mids all result in excellent response in both magnitude and phase.

The 13 ply Baltic Birch used throughout the enclosure is encased in Polyurea for protection from impact and atmospheric conditions. Install and touring versions are equipped with M10 rig points. Our EW (Extreme Weather) variant offers the ultimate in protection from the elements due to the use of high-density polyurethane panels impregnated with fiberglass fibers in the place of standard plywood.

As an added layer of protection, we include our Sentinel™ high frequency driver protection circuitry which is a multistage limiter that protects the high frequency driver in the event of overloads (peaks or long term). It is inaudible during normal operation, so dynamic range is not compromised. Utilize our DNA amplifiers or processor for maximum performance and protection with industry leading DSP capabilities.

The footprint, output, weight, and fidelity make the J7 the closest thing to a "utility" Jericho Horn that Danley has ever made, and thus its potential applications are incredibly diverse.

Performance Specifications

Operating Mode (Switchable)
Bi-amplified three-way loudspeaker
Quad-amplified three-way loudspeaker

Operating Range
67 Hz - 17.5 KHz - 3 dB | 55 Hz - 18.7 Khz -10 dB

Coverage Pattern
90° horizontal x 60° vertical

Transducers
LF 6x 10" | MF 4x 6.5" | HF 8x 1"

Power Handling
Low 4200 W Cont. | 16,800 W Peak
M/H 2000 W Cont. | 8,000 W Peak

Sensitivity
Low 103dB, M/H 109dB (measured as 28.3V @10m distance)

Maximum Output @ 1m
146.6 dB Z-Peak | 132.8 dB Z-Slow | 120.3 dB A-Slow

Impedance
Low 4 Ohm | Mid/High 4 Ohm

Physical Specifications

Connections (BIAMP Mode)
1x Neutrik NL4 Speakon Input
Pin 1+/- | Low Frequency Pin 2+/- | Mid/High Frequency

Connections (QUADAMP Mode)
1x Neutrik NL8 Speakon Input
Pin 1+/- | Low Frequency Pin 2+/- | Low Frequency
Pin 3+/- | Mid Frequency Pin 4+/- | High Frequency

Connections (J7-95-BIAMP-EW)
2x 2 Conductor Lead-in Wire

Connections (J7-95-QUADAMP-EW)
4x 2 Conductor Lead-in Wire

Mounting / Suspension Points
M10 rigging points

Dimensions / Weight
36 x 24 x 24 in | 915 x 610 x 610 mm
265 lbs | 120 kg

Finish
Black polyurea coated enclosure w/ matte black grille
White polyurea coated enclosure w/ matte white grille
Gray UV resistant coated enclosure w/ matte grey grille

Enclosure Material
18mm Baltic Birch, polyurea coated
18mm high-density polyurethane/fiberglass composite

Options

J7-95	Touring or Install, Quad/Bi Amped
J7-95-QUADAMP-EW	Extreme Weather Quad-Amplified
J7-95-BIAMP-EW	Extreme Weather Bi-Amplified

Accessories

J7-95-DOLLY	Transport dolly
BRKT-J7BB	J7 Bumper Bar

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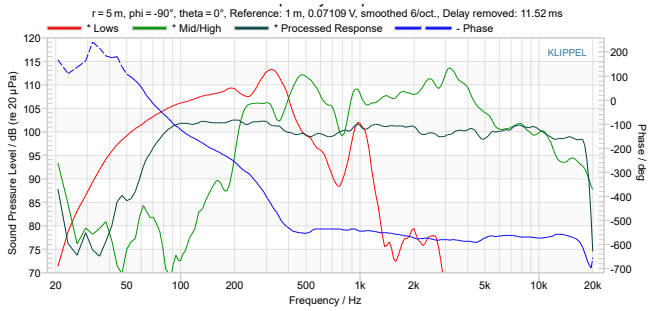
3 Way High Output Full Range Loudspeaker

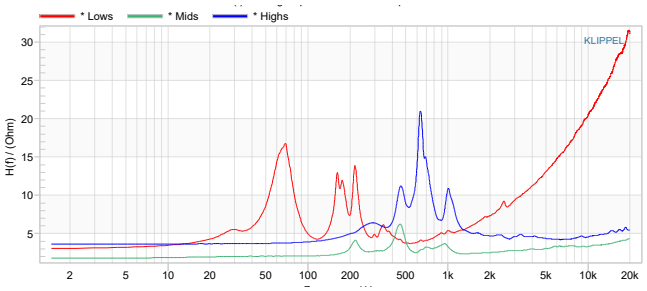
ARCHITECT/ENGINEERS SPECS

The J7-95 loudspeaker, a product of Danley Sound Labs, shall integrate the proprietary Synergy patented designated driver configuration. The specified coverage pattern for the loudspeaker shall be 90° x 50°. Its operational frequency range shall be defined from 55 Hz to 18.7 KHz, with a tolerance of -10dB. Utilizing music noise, the J7-95 is capable of delivering audio at levels of 142.4 dB Z-peak, 129.9 dB Z-slow, and 124.7 dB A-slow, as referenced at 1 meter prior to measured power compression of any loudspeaker component. Regarding power considerations, the loudspeaker shall handle a continuous power of 6200 Watts and shall withstand peak power levels up to 24,800 Watts. The construction material employed for the J7-95 shall be Baltic birch coated in Polyurea or high-density polyurethane panels impregnated with fiberglass.

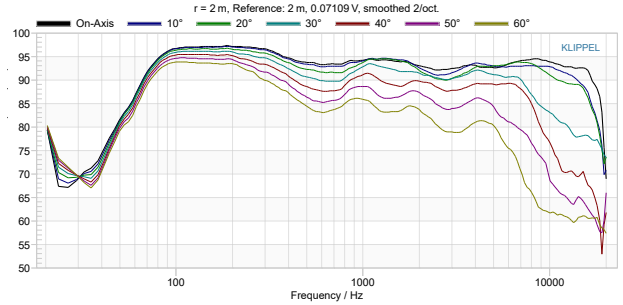
Sensitivity and Processed Response



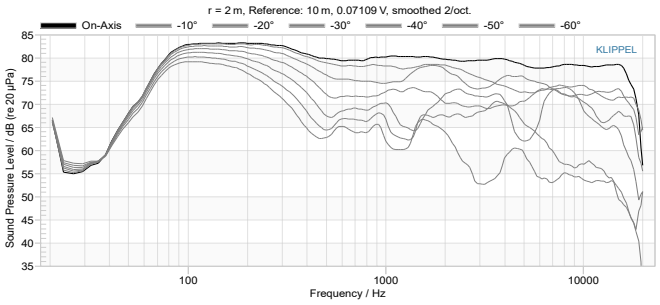
Impedance



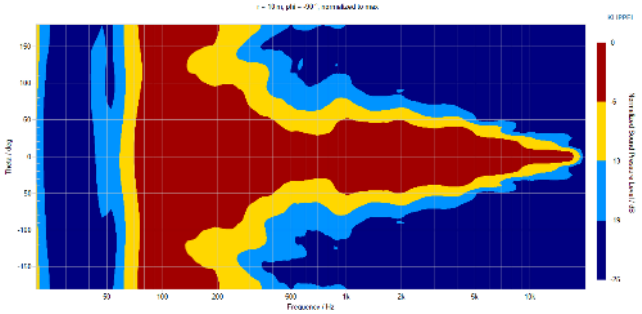
Horizontal Response



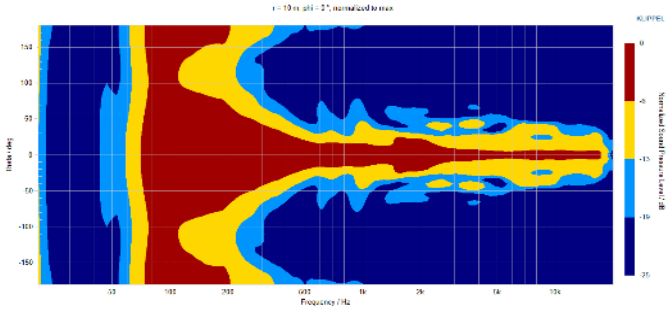
Vertical Response



Horizontal Directivity Contour



Vertical Directivity Contour



Performance Specifications: All acoustic measurements are rounded to the nearest whole number. Utilizing an external Digital Signal Processor (DSP) with Danley Sound Labs settings is crucial for achieving these specified acoustic performances.

Processed Response: Shows the loudspeaker's axial magnitude response with recommended signal processing.

Operational Frequency Range: Denotes the frequency range where the loudspeaker's processed response is 10 dB lower than the specified sensitivity.

Loudspeaker Directivity: Defined as the angle at which the SPL decreases by 6 dB in the loudspeaker's spherical polar response.

Maximum Output: Measures the highest SPL at 1 meter using an M-noise signal in an equalized loudspeaker, following AES-2-2012 standards, with one subsection at full capacity.

Power Handling: Assessed based on the AES standard for evaluating the power handling capabilities of transducers.

Sensitivity: The SPL at 1 meter, produced by a 2.83V sinusoidal sweep from 20 Hz to 20KHz, measured without additional processing.

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