

SYNERGY HORN FULL RANGE LOUDSPEAKERS

The SM-96 combines great fidelity, low frequency pattern control and unrivaled Magnitude/phase response into an ultra-compact enclosure. It has the added benefit of truly modular array-ability.

Available in both Touring and Install versions - touring version comes with handles to make it easily transportable and pole cup allows for portability and fits most tripods.

Specifications

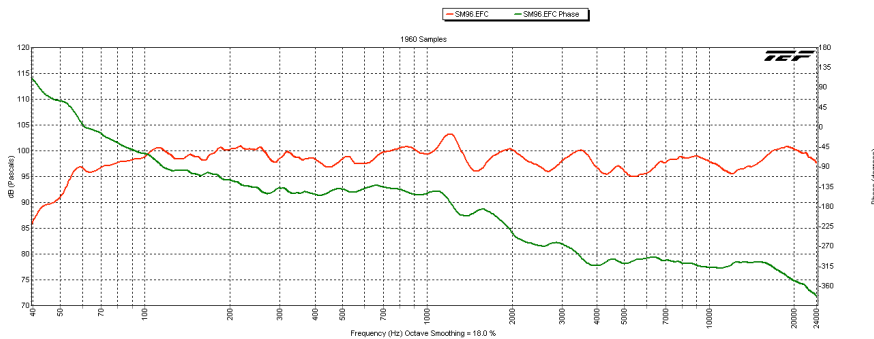
Coverage Pattern.....90° horizontal x 60° vertical
 Operating Frequency Range55 Hz - 24 kHz +/- 3 dB
 42 Hz – 26 kHz -10 dB
 Sensitivity @ 1M..... 98 dB SPL
 (Measured as 2.83V input, 1M whole space)
 Maximum Output124 dB SPL Cont., 130 dB SPL Peak
 Input Power Ratings800W continuous, 3200W Peak
 Nominal Impedance.....4 ohms
 Minimum Impedance 3.4 ohms @ 137 Hz
 Recommended Processing..... 55 Hz HP @ 24 dB/Butterworth
 Drivers LF 2 x 8", MHF 1 x 5" Coaxial
 Input Connections..... 2-NL4MP
 Enclosure Material 13ply, 18mm Baltic Birch, polyurea coated

SM-96

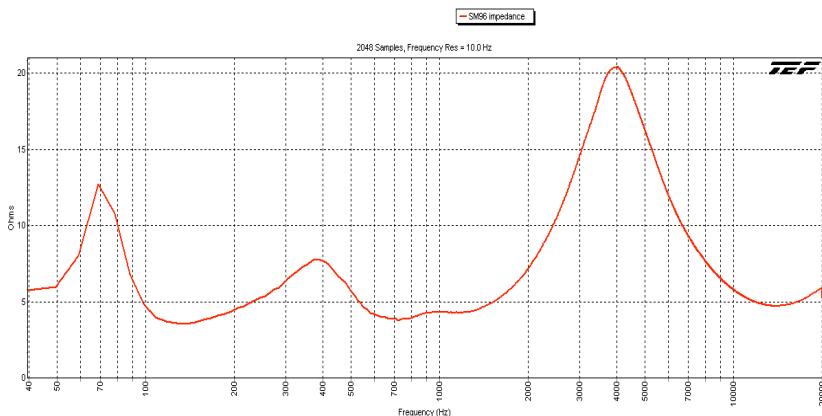
Synergy Horn
 Performance in an
 Ultra-Compact Box



SM96
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SM96 impedance
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Accessories

Powered version available
 Mounting brackets for array
 MB 50 Fly-ware
 Speaker Cover
 Weatherized options available

PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SM 96	130 dB	98 dB	55 Hz – 24 kHz	90° x 60°	1,600 W	31.5 x 21 x 15.5	73 lbs

Architect/Engineers Specs

The loudspeaker shall utilize the Synergy Horn/Tapped Horn patent-pending enclosure covering three pass bands. The coverage pattern shall be 90° horizontal x 60° vertical. The loudspeaker shall have an operating range of +/- 3 dB 55 Hz – 24 kHz. Sensitivity of 98 dBSPL @ 1m. Output of 124 dBSPL/130 dBSPL Peak. Power handling shall be 800 Watts continuous, 1600 Watts peak. The impedance shall be nominal 4 ohms.

The loudspeaker shall be constructed of 13 ply Baltic birch, water resistant Polyurea coated, properly braced for the intended use and a rugged steel grill. The connectors shall be Neutrik NL4. The Loudspeaker shall be the Danley Sound Labs SM-96.