

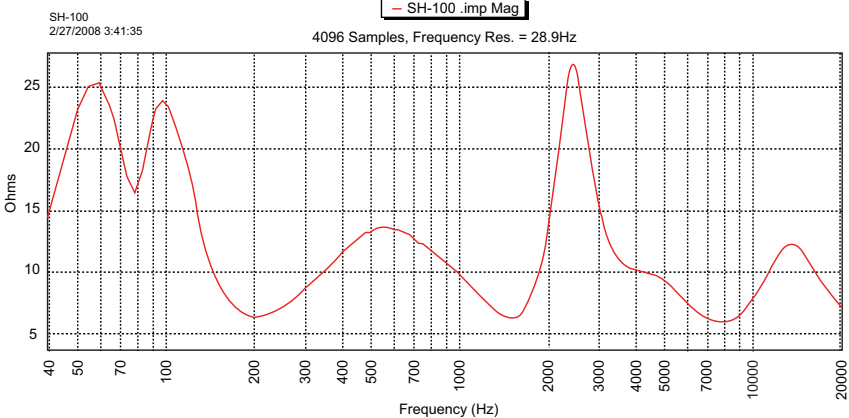
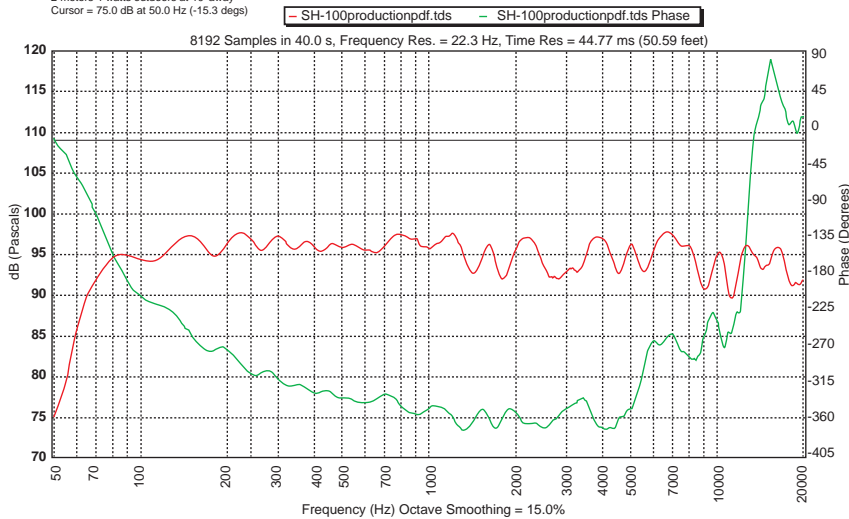
SYNERGY HORN FULL RANGE LOUDSPEAKERS

The SH-100 full range loudspeaker is a two-way Synergy Horn. When broader dispersion is needed this device handles the job flawlessly. It is an excellent choice for distributed systems due to its superior pattern control, frequency response and overall fidelity. Pole cup allows for portability and fits most tripods.

Specifications

Coverage Pattern 110° horizontal x 110° vertical
 Operating Frequency Range.....70 Hz - 20 kHz +/- 3 dB
 50 Hz – 24 kHz -10 dB
 Sensitivity @ 1M 95 dB SPL
(Measured as 2.83V input, 1M whole space)
 Maximum Output.....120 dB SPL Cont., 126 dB SPL Program
 Input Power Ratings..... 300W continuous, 600W program
 Nominal Impedance8 ohms
 Minimum Impedance.....5 ohms @ 7 kHz
 Recommended Processing..... 70 Hz HP @ 24 dB/Butterworth
 Drivers 1 x 8" coaxial
 Input Connections 2-NL4MP
 Enclosure Material 13ply, 18mm Baltic Birch, polyurea coated

SH-100productionpdf
 8/29/2005 11:35:26 AM dB Shop
 2 meters 4 watts outdoors at 10' away
 Cursor = 75.0 dB at 50.0 Hz (-15.3 degs)



SH-100

Wide dispersion
 with high fidelity
 and great pattern
 control



Applications

Houses of worship
 Commercial theatre sound
 Live music venues
 Performing arts centers
 Discos
 High end home theatres

Accessories

Powered version available
 U-Bracket & Swivel adapter
 Weatherized options available

PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SH 100	126 dB	95 dB	70 Hz – 20 kHz	110° x 110°	600 W	20.5 x 20.5 x 9	45 lbs

Architect/Engineers Specs

The loudspeaker shall utilize one 8" coaxial transducer in a patent-pending enclosure. The coverage pattern shall be 110° horizontal x 110° vertical. The loudspeaker shall have an operating range of +/- 3 dB 70 Hz – 20 kHz. Sensitivity of 95 dB SPL @ 1m. Output of 120 dB SPL/126 dB SPL Peak. Power handling shall be 300 Watts continuous, 600 Watts program. The impedance shall be nominal 8 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 SH-100.