

SYNERGY HORN FULL RANGE LOUDSPEAKERS

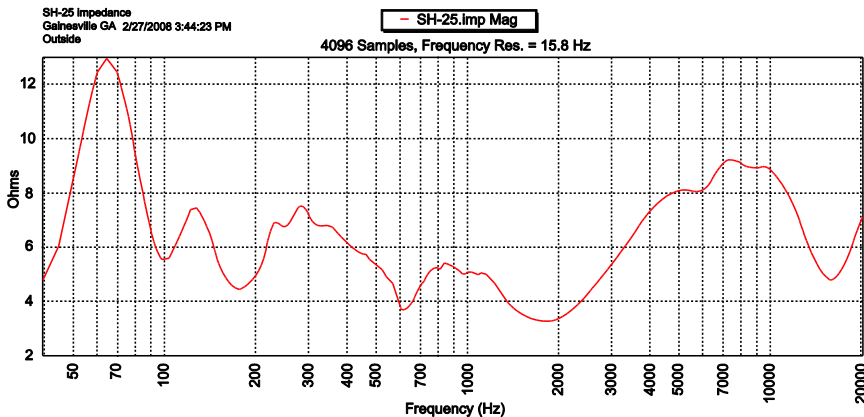
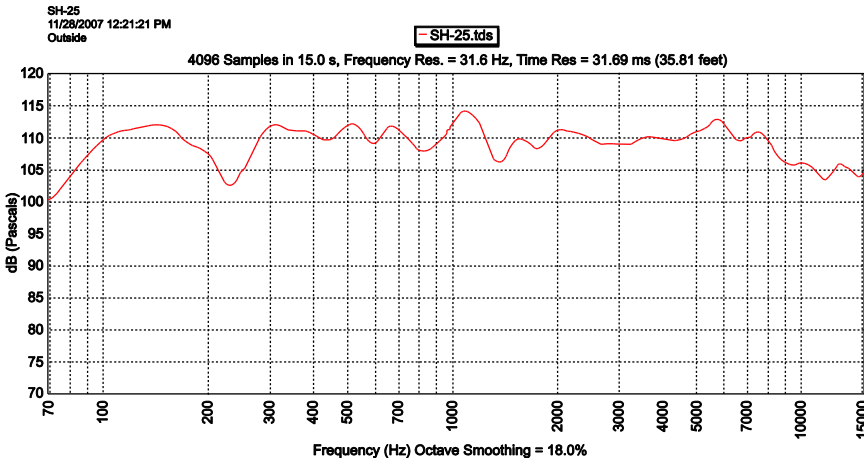
The SH25 is ideal where great fidelity; high output and pattern control are required in both horizontal and vertical arrays. With a coverage pattern of 25° x 25°, this Hi-Q box was designed for long-throw applications. A single SH25 has a frequency response of 90 Hz – 18 kHz, and four in an array will extend the low frequency down to 50 Hz. Driver compliment is 8 - 6.5" woofers, 4 - 4" midrange, and 1 - 1" high frequency.

Specifications

Coverage Pattern25° horizontal x 25° vertical
 Operating Frequency Range 90 Hz – 18 kHz +/- 3 dB
70 Hz – 20 kHz -10 dB
 Sensitivity @ 1M..... 110 dB SPL
 (Measured as 2.83V input, 1M whole space)
 Maximum Output137 dB SPL Cont., 143 dB SPL Peak
 Input Power Ratings.....1000W continuous, 4000W Peak
 Nominal Impedance 4 ohms
 Recommended Processing 70 Hz HP @ 24 dB/Butterworth
 Drivers..... LF 8 x 6.5", MF 4 x 4", HF 1 x 1"
 Input Connections2-NL4MP
 Enclosure Material13ply, 18mm Baltic Birch, polyurea coated

SH25

Long-throw full range loudspeaker with Hi-Fi Sound



Accessories

Powered version available
 Mounting brackets for array
 MB 60 Fly-ware
 Weatherized options available

PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SH25	143 dB	110 dB	90Hz – 18kHz	25° x 25°	2,000 W	28 x 28 x 50.7	176 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 25° horizontal x 25° vertical. The loudspeaker shall have an operating range of +/- 3dB 90Hz – 18 kHz. Sensitivity of 110 dBSPL @ 1M. Output of 137 dBSPL/143 dBSPL Peak. Power handling shall be 1000 W continuous, 2000W Program. The impedance shall be nominal 4 ohms.

The loudspeaker shall be constructed of 13 ply 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 SH25.