

SYNERGY HORN FULL RANGE LOUDSPEAKERS

The SH50 works anywhere great fidelity; low frequency pattern control and unrivaled Magnitude/phase response are required. It has the added benefit of truly modular array-ability. For high SPL and low distortion sound reproduction.

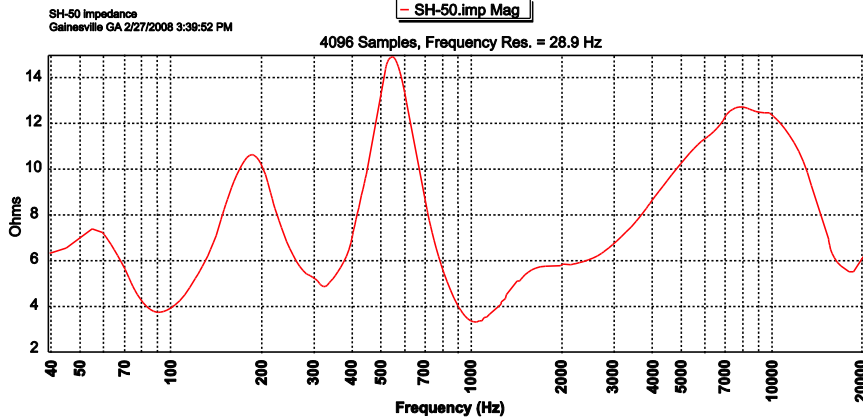
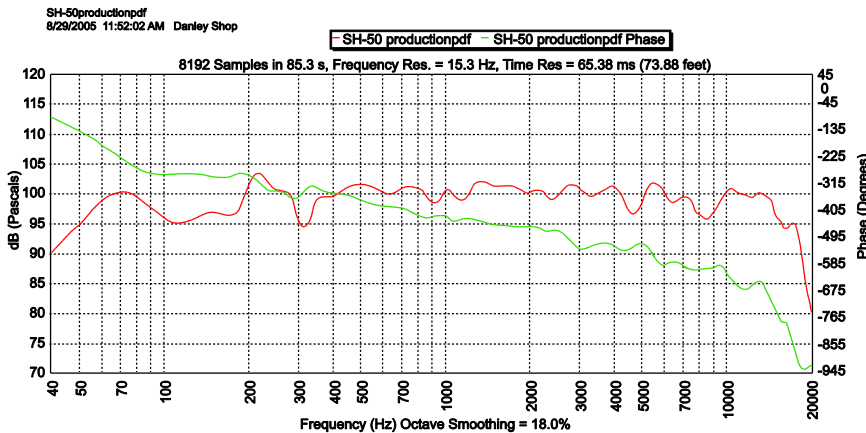
Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

Specifications

Coverage Pattern50° horizontal x 50° vertical
 Operating Frequency Range 50 Hz - 18 kHz +/- 3 dB
37 Hz – 24 kHz -10 dB
 Sensitivity @ 1M..... 100 dB SPL
 (Measured as 2.83V input, 1M whole space)
 Maximum Output127 dB SPL Cont, 133 dB SPL Peak
 Input Power Ratings..... 1000W continuous, 4000W Peak
 Nominal Impedance 4 ohms
 Minimum Impedance3.5 ohms @ 1 kHz
 Recommended Processing 40 Hz HP @ 24 dB/Butterworth
 Drivers.....LF 2 x 12", MF 4 x 5" HF 1 x 1"
 Input Connections2-NL4MP
 Enclosure Material 13ply, 18mm Baltic Birch, polyurea coated

SH50

The Flagship of the Synergy Horn Line



Accessories

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

PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SH50	133 dB	100 dB	50 Hz – 18 kHz	50° x 50°	2,000 W	28 x 28 x 25.5	133 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 50° horizontal x 50° vertical. The loudspeaker shall have an operating range of +/- 3 dB 50 Hz – 18 kHz. Sensitivity of 100 dB SPL @ 1m. Output of 127 dB SPL/133 dB SPL Peak. Power handling shall be 1000 Watts continuous, 2000 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 SH50.