

SYNERGY HORN FULL RANGE LOUDSPEAKERS

The SH-50 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.

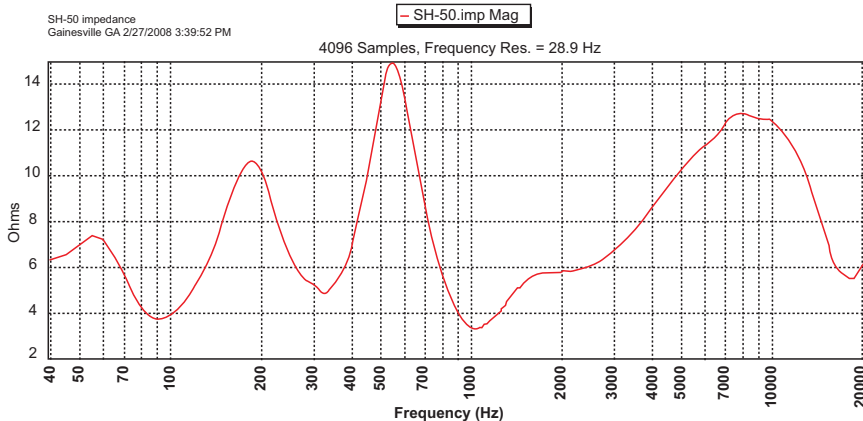
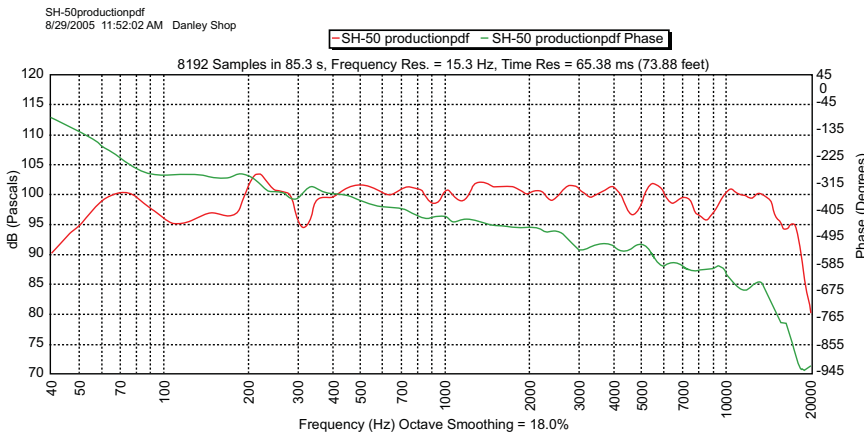
Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

Specifications

Coverage Pattern 50° 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 Output.....127 dB SPL Cont.,133 dB SPL Program
 Input Power Ratings..... 1000W continuous, 2000W program
 Nominal Impedance4 ohms
 Minimum Impedance.....3.5 ohms @ 1 kHz
 Recommended Processing 40 Hz HP @ 24 dB/Butterworth
 DriversLF 2 x 12", MF 4 x 5" HF 1 x 1"
 Input Connections 2-NL4MP
 Enclosure Material 13ply, 18mm Baltic Birch, polyurea coated

SH-50

The Flagship of the Synergy Horn Line



Applications

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

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
SH 50	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 program. 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 SH-50.