

## 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.

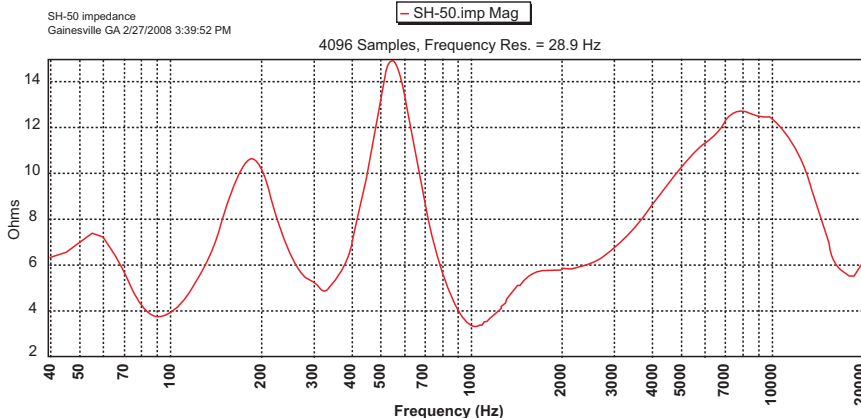
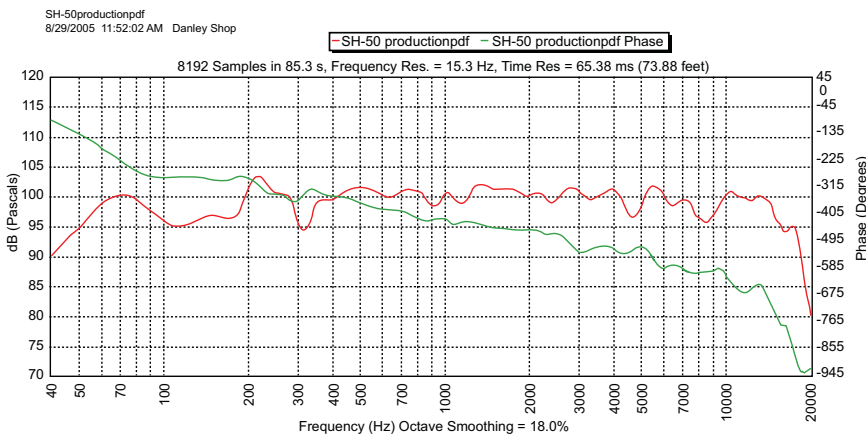
Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

### 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 Impedance ..... 4 ohms  
 Minimum Impedance ..... 3.5 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 Connections..... 2-NL4MP  
 Enclosure Material ..... 13ply, 18mm Baltic Birch, polyurea coated

# SH-50

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
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.