

## SYNERGY HORN FULL RANGE LOUDSPEAKERS

The SH-46 works anywhere great fidelity, 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.

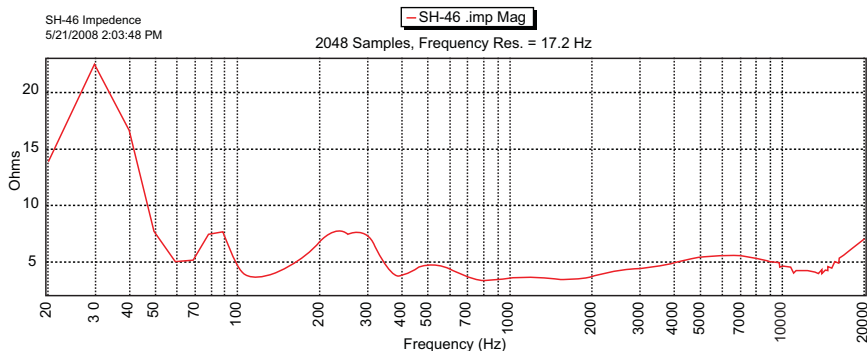
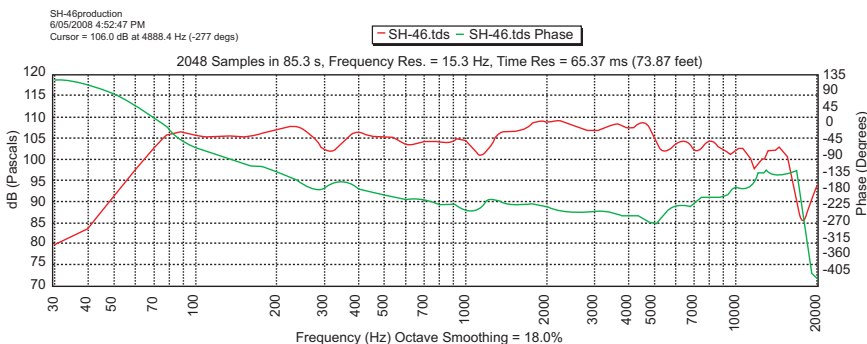
Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

### Specifications

Coverage Pattern .....40° horizontal x 60° vertical  
 Operating Frequency Range.....71 Hz – 14.5 kHz +/- 3 dB  
 ..... 58 Hz – 16 kHz -10 dB  
 Sensitivity @ 1M ..... 106 dB SPL  
 ..... (Measured as 2.83V input, 1M whole space)  
 Maximum Output .....135 dB SPL Cont., 141 dB SPL Program  
 Input Power Ratings ..... 1400W continuous, 2800W program  
 Nominal Impedance ..... 4 ohms  
 Minimum Impedance ..... 3.4 ohms @ 810 Hz  
 Recommended Processing..... 60 Hz HP @ 24 dB/Butterworth  
 Drivers ..... LF 2 x 12", MF 4 x 4", HF 1 x 1.4"  
 Input Connections..... 2-NL4MP  
 Enclosure Material ..... 13ply, 18mm Baltic Birch, polyurea coated

# SH-46

A truly "loud"  
 speaker in a compact  
 package



### Accessories

- Powered version available
- Mounting brackets for array
- MB 50 Fly-ware
- 46-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 46	141 dB	106 dB	58 Hz – 16 kHz	40° x 60°	2,800 W	29 x 22.3 x 22.7	118 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 40° horizontal x 60° vertical. The loudspeaker shall have an operating range of +/- 3 dB 71 Hz – 14.5 kHz. Sensitivity of 106 dB SPL @ 1m. Output of 135 dB SPL/141 dB SPL Peak. Power handling shall be 1400 Watts continuous, 2800 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-46.