

## SYNERGY HORN FULL RANGE LOUDSPEAKERS

Our SH 96 was initially designed as a request of commercial theatre; this 3-way powerhouse has 11 drivers in a single horn!

Unlike the flagship SH 50, which possesses a 50° x 50° beam width, the SH 96 has a much wider 90° x 60° beam width.

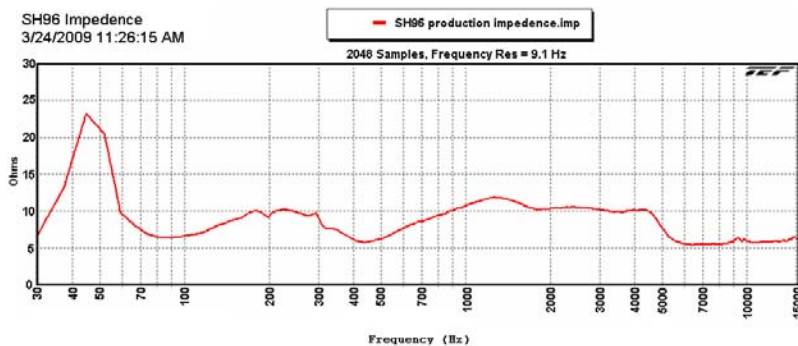
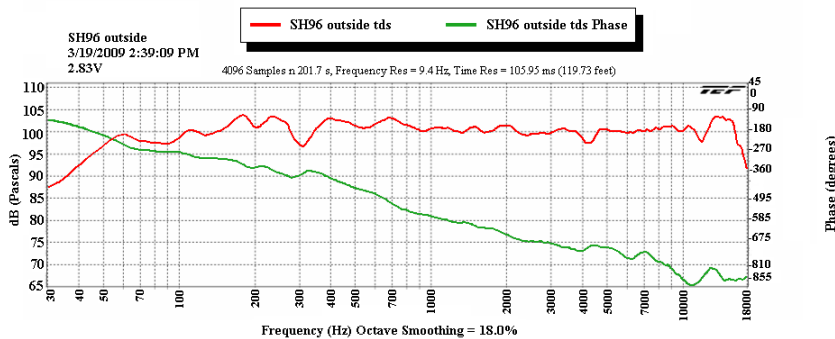
Available in both Touring and Install versions - touring version comes with handles and wheels to make it easily transportable.

### Specifications

Coverage Pattern ..... 90° horizontal x 60° vertical  
 Operating Frequency Range.....50 Hz - 16 kHz +/- 3 dB  
 .....  
 Sensitivity @ 1M ..... 101 dB SPL  
 .....(Measured as 2.83V input, 1M whole space)  
 Maximum Output.....133 dB SPL Cont., 139 dB SPL Program  
 Input Power Ratings..... 1400 W continuous, 2800 program  
 Nominal Impedance ..... 8 ohms  
 Minimum Impedance..... ohms  
 Recommended Processing..... 40 Hz HP @ 24 dB/Butterworth  
 Drivers ..... LF 4 x 15", MF 6 x 4", HF 1 x 1.4"  
 Input Connections ..... 2-NL4MP  
 Enclosure Material ..... 13ply, 18mm Baltic Birch, polyurea coated

# SH-96

Single box solution for high output and wide coverage



### Applications

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

### Accessories

Powered version available  
 Weatherized options available

### PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SH 96	139 dB	101 dB	50 – 16 kHz	90° x 60°	2,800 W	26.5 x 45 x 25	215 lbs

### **Architect/Engineers Specs**

The loudspeaker shall utilize 4 – 15” woofers, 6 – 4” mid frequency drivers and 1 – 1.4” high frequency driver in a patent-pending enclosure. The coverage pattern shall be 90° horizontal x 60° vertical. The loudspeaker shall have an operating range of +/- 3 dB 50 Hz – 16 kHz. Sensitivity of 101 dBSPL @ 1m. Output of 133 dBSPL/139 dBSPL Peak. Power handling shall be 1400 Watts continuous, 2800 Watts program. The impedance shall be nominal 8 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-96.