

## SYNERGY HORN FULL RANGE LOUDSPEAKERS

Our SH 96HO was initially designed as a request of commercial theatre; this 4-way powerhouse has 12 drivers in a single horn!

The SH 96HO has a 90° x 60° coverage pattern and due to the horn's physical size, maintains significant pattern control down to around 100Hz.

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

### Specifications

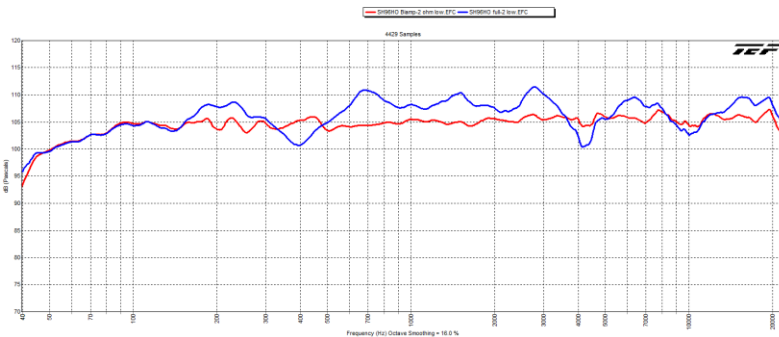
Coverage Pattern .....90° horizontal x 60° vertical  
 Operating Frequency Range .....50Hz-16KHz -3dB  
 Sensitivity @ 1M ..... 104 dB SPL  
 ..... (Measured as 2.83V input, 1M whole space)  
 Maximum Output ..... 136 dB SPL Cont., 142 dB SPL Program  
 Input Power Rating ..... 1400 W continuous, 2800 program  
 Nominal Impedance ..... 8 ohms  
 Recommended Processing ..... 40 Hz HP @ 24 dB/Butterworth  
 Drivers ..... LF 4 x 15", MF 6 x 4", HF 1 x two-way 1"/1.4"  
 Input Connections ..... 2-NL4MP  
 Enclosure Material ..... 13ply, 18mm Baltic Birch, polyurea coated

# SH-96HO

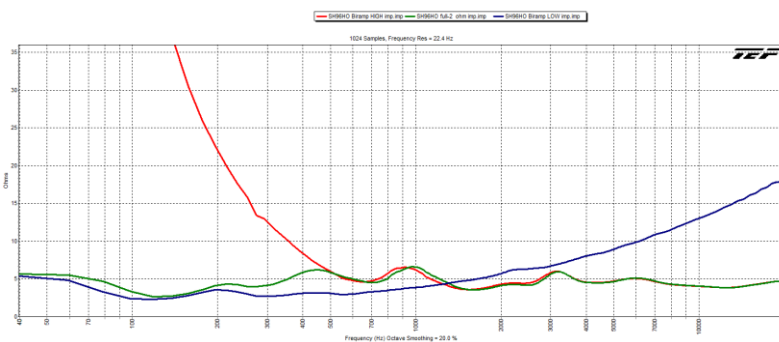
Single box solution  
for high output and  
wide coverage



SH96HO SA-2 low  
6/2/2013 9:53:25 AM



SH96HO B1amp LOW imp  
6/2/2013 2:16:39 PM



### Accessories

Powered version available  
Weatherized options available

### PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SH96 HO	142 dB	104dB	50Hz-16kHz	90° x 60°	2,800 W	26.5 x 45 x 25	220 lbs

### **Architect/Engineers Specs**

The loudspeaker shall utilize 4 – 15" woofers, 6 – 4" mid frequency drivers and 1 two-way 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 104 dBSPL @ 1m. Output of 136 dBSPL/142 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-96HO.