

SYNERGY HORN FULL RANGE LOUDSPEAKERS

The SH69HT - A very flexible design offering seamless arrays in the 60° horizontal orientation and when rotated 90°, a 90 x 60 pattern - true full range performance in an overall compact design. A single box houses 2 - 12" woofers, 6 - 4" midrange and a 1" high frequency driver.

Specifications

Coverage Pattern60° x 90°
 Operating Frequency Range 55 Hz - 18 kHz +/- 3 dB
33 Hz - 24 kHz -10 dB
 Sensitivity @ 1M..... 99 dB SPL
 (Measured as 2.83V input, 1M whole space)
 Maximum Output126 dB SPL Cont., 132 dB SPL Peak
 Input Power Ratings.....1000W continuous, 4000W Peak
 Nominal Impedance 4 ohms
 Minimum Impedance3.5 ohms
 Recommended Processing 50 Hz HP @ 24 dB/Butterworth
 Drivers.....LF 2 x 12", MF 6 x 4" HF 1 x 1"
 Input Connections2-NL4MP
 Enclosure Material 13ply, 18mm Baltic Birch, polyurea coated

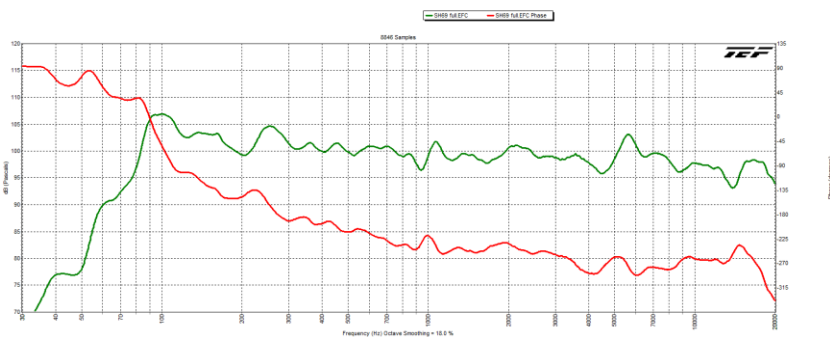
SH69HT

Half trap version of the SH69.

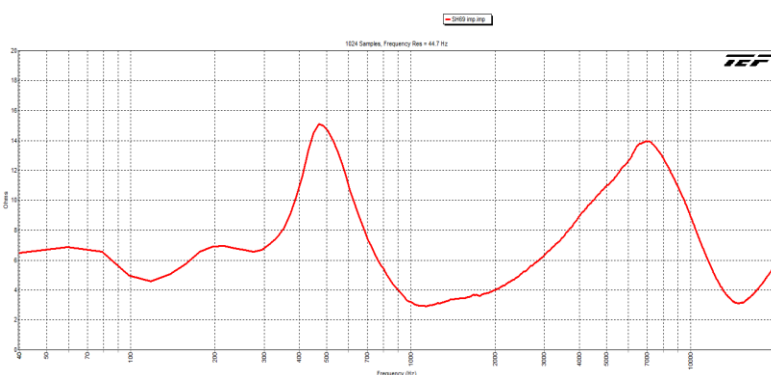
Self-powered now available



SH69 Full
5/1/2013 4:10:55 PM



SH69 Imp
5/2/2013 9:02:20 AM



Accessories

- Powered version available
- Mounting brackets for array
- MB 50 Fly-ware
- Speaker Cover
- Weatherized options available

PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SH69	132 dB	99 dB	55 Hz - 18 kHz	60° x 90°	2,000 W	34 x 21 x 17	116 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 60° x 90°. The loudspeaker shall have an operating range of +/- 3 dB 55 Hz – 18 kHz. Sensitivity of 99 dB SPL @ 1m. Output of 126 dB SPL/132 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 SH69HT.