

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.

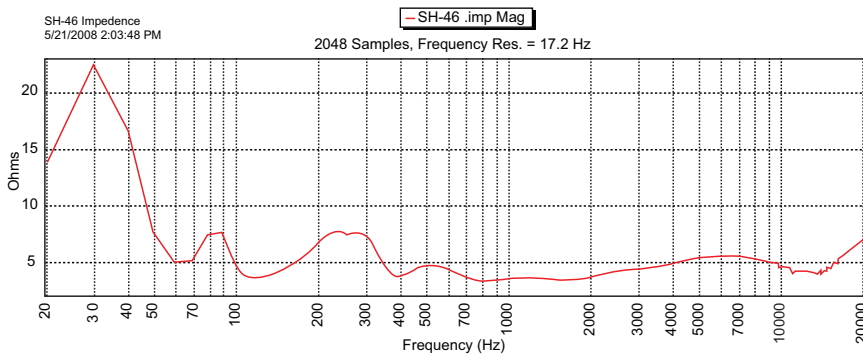
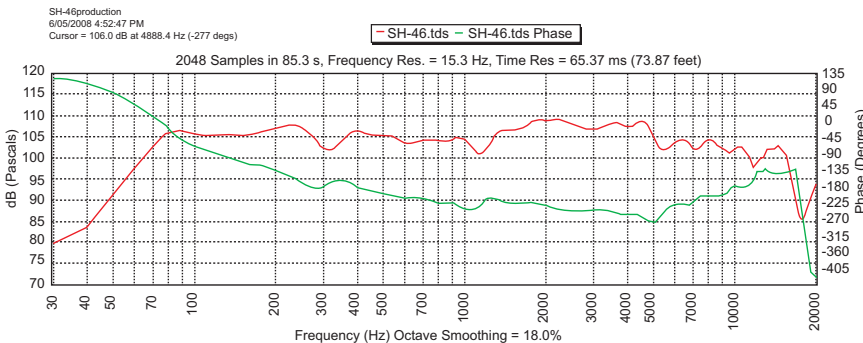
Available in both Touring and Install versions - touring version comes with handles to make it easily transportable.

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



Applications

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

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	115 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 dBSPL @ 1m. Output of 135 dBSPL/141 dBSPL 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.