

SYNERGY HORN FULL RANGE LOUDSPEAKERS

Our SH 96HO was initially designed as a request of commercial theatre; this 3-way powerhouse has 11 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. The SH96 comes with a switch selectable between biamp and passive modes and is also available in both Touring and Install versions - touring version comes with handles and wheels to make it easily transportable.

Specifications

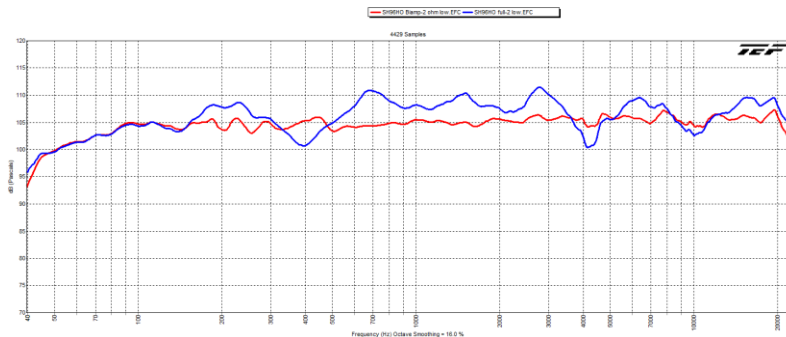
Coverage Pattern.....90° horizontal x 60° vertical
 Operating Frequency Range.....66Hz-22KHz -3dB
40Hz-24KHz -10dB
 Sensitivity @ 1M (2 ohm low) 105 dB SPL
(Measured as 2.83V input, 1M whole space)
 Maximum Output.....133 dB SPL Cont, 139 dB SPL Peak
 Input Power Rating..... Low 2800 W continuous/11,000W peak @ 2 or 8ohms
 High 800 W Continuous/3200 watt peak @ 4 ohm
 Low Impedance..... 8/2 ohms selectable
 High Impedance..... 4 ohms
 Recommended Processing.....40 Hz HP @ 24 dB/Butterworth/passive mode
 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-96HO

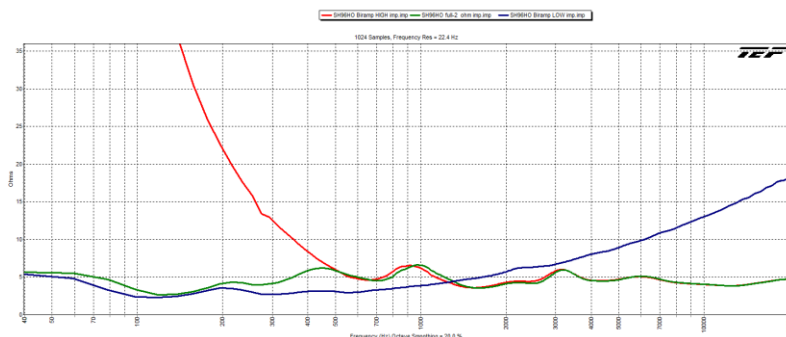
Single box solution
for high output and
wide coverage



SH96HO 1A-2 low
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SH96HO Biamp LOW imp
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Accessories

Powered version available
Weatherized options available
Protective cover available

PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SH96HO	139 dB	105dB	50 – 16 kHz	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 x 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 105 dB SPL @ 1m. Output of 133 dB SPL/139 dB SPL Peak. Power handling shall be 2800 Watts continuous, 800 Watts program. The impedance shall be selectable 2 or 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.