

SYNERGY HORN FULL RANGE LOUDSPEAKERS

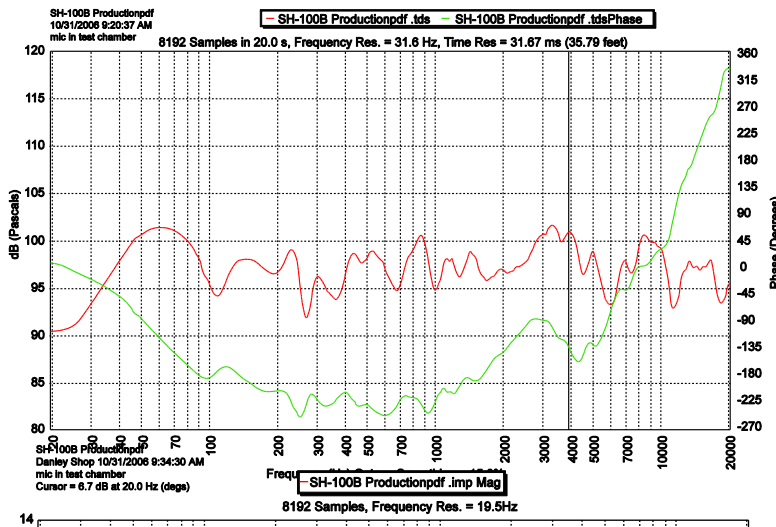
The SM-100B gives you the additional power of a tapped horn wrapped around an SM-100. With the incredibly tight low end response one loudspeaker per side, with or without subwoofers, will do an amazing job of covering a substantial seating area. The touring version can easily be transported and set up by a one man crew.

Specifications

Coverage Pattern 110° conical
 Operating Frequency Range 50 Hz - 17 kHz +/- 3 dB
 30 Hz – 24 kHz -10 dB
 Sensitivity @ 1M 98 dB SPL
 (Measured as 2.83V input, 1M whole space)
 Maximum Output 124 dB SPL Cont., 130 dB SPL Peak
 Input Power Ratings 800W continuous, 3200W Peak
 Nominal Impedance 4 ohms
 Recommended Processing 35 Hz HP @ 24 dB/Butterworth
 Drivers LF 4 x 8" Long excursion, 1 x 8" coaxial
 Input Connections 2-NL4MP
 Enclosure Material 13ply, 18mm Baltic Birch, polyurea coated

SM-100B

A Tapped Horn wrapped around an SM-100



Accessories

Powered version available
 U-Bracket & Swivel Adapter
 Weatherized options available

PERFORMANCE DATA

Model	Max SPL	Sensitivity	Magnitude Response	Beam Width	Power Rating	Dimensions (in.)	Weight
SM 100B	130 dB	98 dB	50 Hz – 17 kHz	110° conical	1,600 W	20.5 x 33.5 x 19	135 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 110° conical. The loudspeaker shall have an operating range of +/- 3 dB 50 Hz – 17 kHz. Sensitivity of 98 dB SPL @ 1m. Output of 124 dB SPL/130 dB SPL Peak. Power handling shall be 800 Watts continuous, 1600 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 SM-100B.