

SYNERGY HORN FULL RANGE LOUDSPEAKERS

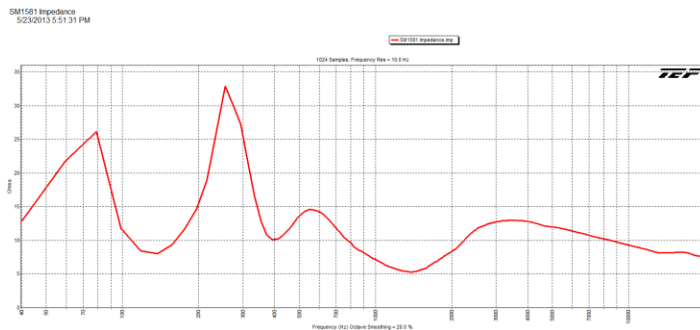
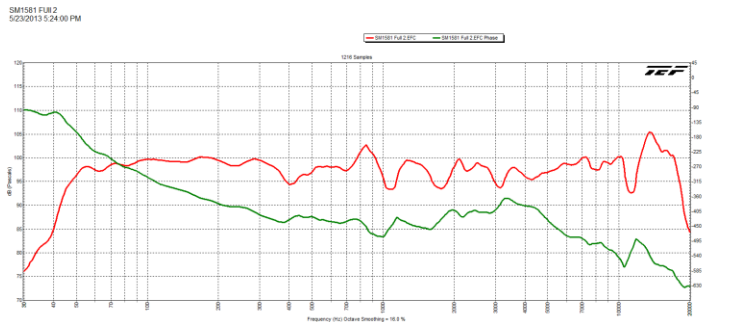
The SM-100F is the most powerful broadband product we offer in the smallest package. With the incredibly tight low end response one loudspeaker per side, with or without subwoofers, will do an amazing job of covering a substantial seating area. The touring version can easily be transported and set up by a one man crew.

Specifications

Coverage Pattern 110° conical
 Operating Frequency Range 47 Hz - 18 kHz +/- 3 dB
 42 Hz - 19 kHz -10 dB
 Sensitivity @ 1M..... 98 dB SPL
 (Measured as 2.83V input, 1M whole space)
 Maximum Output 128 dB SPL Cont, 134 dB SPL Peak
 Input Power Ratings..... 800W continuous, 3200W Peak
 Nominal Impedance 8 ohms
 Minimal Impedance..... 5.3 ohms @ 1350Hz
 Recommended Processing 40 Hz HP @ 24 dB/Butterworth
 Drivers..... LF 1-15", 1 x 8" coaxial
 Input Connections..... 2-NL4MP
 Enclosure Material 13ply, 18mm Baltic Birch, polyurea coated

SM-100F

Incredible Punch in a very compact enclosure.



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 100F	134 dB	98 dB	50 Hz - 18 kHz	110° conical	1600 W	33.5 x 20.5 x 19.0	122 lbs

Architect/Engineers Specs

The loudspeaker shall utilize the synergy Horn/reflex 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 47 Hz – 18 kHz. Sensitivity of 98 dB SPL @ 1m. Output of 128 dB SPL/134 dB SPL Peak. Power handling shall be 800 Watts continuous, 3200 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 SM-100F.