



## Model SH-50

## SPECIFICATIONS OF THE SH-50

*Loudspeaker Type:*

Full Range Loudspeaker

*Coverage Pattern:*

50° Horizontal x 50° Vertical

*Operating Freq range:*50Hz-18kHz +/- 3dB  
37Hz-24kHz +/- 10dB*Sensitivity at 1W/1M:*(measured as 20V input free space @10M distance)  
100 dBSPL (-1dB 80Hz - 20kHz)*Maximum output:*

129 dBSPL Continuous/132 dBSPL Program

*Input power ratings:*

800 continuous 1600 Program

*Recommended Amp Power:*

800W - 1600W @ 6 Ohms

*Nominal Impedance:* 6 ohms*Minimum impedance:* 3.5 ohms @ 16kHz*Recommended signal processing:*

40 Hz highpass @ 24 dB/Octave

*Drivers :* 1 x 1" HF, 4 x5" Mid, 2x12" woofers*Input connections:* 2 - NL4MP*Enclosure type:* Baltic birch*Dimensions:*Height: 28 inches / 711.2 mm  
Width: 28 inches / 711.2 mm  
Depth: 22.5 inches / 571.5 mm*Weight:* 135lbs. / 61.24 kg

## APPLICATIONS

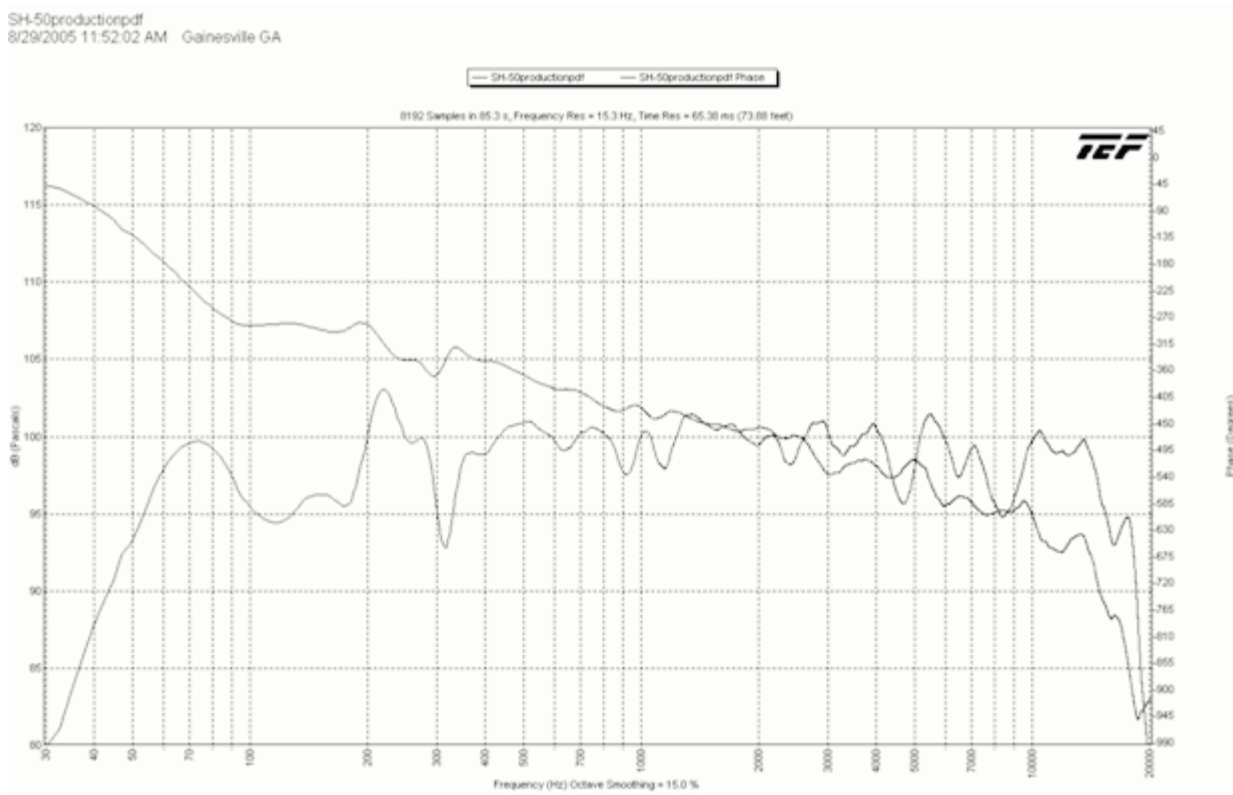
- Houses of Worship
- Commercial Theatre Surround
- Live Music Venues
- Performing Arts Centers
- Stadiums
- Discos
- High-end Home Theatre

## FEATURES

The SH-50 is a high output fully horn-loaded three-way loudspeaker. Due to the large horn mouth the SH-50 offers substantial directivity and front to back rejection. The SH-50 performs exceptionally well in tight packed arrays offering practically seamless overlap regions.

The SH-50 utilizes a blending of two Danley Sound Labs unique technologies; the tapped horn and synergy horn both patent-pending designs. This unique blend of technologies produces a full range loudspeaker with solid response to 50 Hz, thus allowing the SH-50 to be used as a stand alone product in situations that additional subwoofers may not fit either physically or fiscally.

FREQUENCY RESPONSE



Architect/Engineers' Specs

The loudspeaker shall utilize the Synergy Horn/Tapped Horn patent-pending enclosure covering three pass bands. The loudspeaker shall have an operating range of +/- 3 dB 50 Hz – 18 kHz. Sensitivity of 100dB SPL 1w/1m. Output of 129 dB SPL/132 dB SPL Peak. Power handling shall be 800 W continuous, 1600W Program.

The loudspeaker shall be constructed of 13 ply birch 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-50.