

SBH20FF

2 Way Full Range Loudspeaker



The SBH20FF utilizes (4) x 5"/1" coaxial drivers coupled to Danley's patented Paralene™ lens technology to offer a compact column shaped loudspeaker that is completely different from any multi-cone product on the market. The SBH20FF features a 150° horizontal x 20° vertical dispersion pattern which is due to the fact that it is actually a large horn with an effective path length of over 12'. This yields superior performance with unparalleled pattern control, no spurious lobes and no complicated processing for proper performance.

The 13 ply Baltic Birch used throughout the enclosure is encased in PolyUrea for protection from impact and atmospheric conditions. Install versions are equipped with M10 rig points.

As an added layer of protection we include our Sentinel™ high frequency driver protection circuitry which is a multistage limiter that protects the high freq driver in the event of overloads (peaks or long term). It is inaudible during normal operation, so dynamic range is not compromised. Utilize our DNA amplifiers or processor for maximum performance and protection with industry leading DSP capabilities.

Performance Specifications

Operating Mode

Single channel amplified two-way loudspeaker

Operating Range

160 Hz - 14.6 kHz, - 3 dB

100 Hz - 17 kHz, - 10 dB

Coverage Pattern

150 x 20

Transducers

4x 5" / 1" Coaxial drivers

Power Handling

760 W Cont. | 3040 W Peak

Sensitivity measured as 2.83V @ 1m distance

96 dB

Maximum SPL (continuous | peak)

124 dB | 130 dB

AES 75-2022 FREE FIELD, CREST FACTOR: 15.1 dB

132.9 dB SPL-Z, Peak | 117.8 dB SPL-Z, SLOW Continuous | 116.6 dB SPL-A, Slow @ 83V

Impedance

4 Ohm

Recommended Power Amplifier

700 - 1500 Watts

Physical Specifications

Connections

(2) NL4 | Pins 1 - Input | Pins 2 - Through

Mounting / Suspension Points

(2) M10 yoke points

(12) M10 rigging pins

Dimensions / Weight

30 x 9 x 9 in. | 762 x 228.6 x 228.6 mm.

46 lbs | 20.8 Kg

Finish

Black polyurea coated enclosure

White polyurea coated enclosure

Enclosure Material

18mm Baltic Birch, polyurea coated

Options

SBH20FF Install Version

Accessories

BRKT-SBH20FF-U SBH20FF U Bracket

BRKT-SBH20FF-WM SBH20FF Wall Mount Bracket

BRKT-SBH20FF-P45 Pan Bracket +/-45 degrees - used with BRKT-SBH20FF-WM

BRKT-SBH20FF-P90 Pan Bracket +/-90 degrees - used with BRKT-SBH20FF-WM

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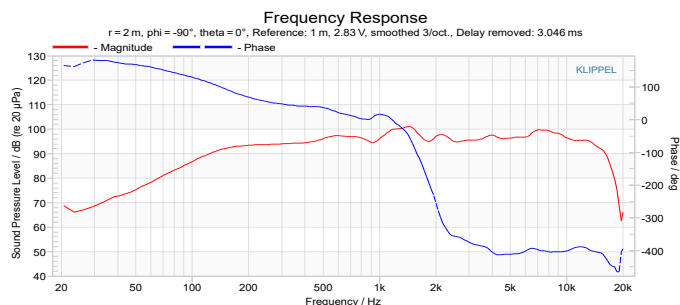


ARCHITECT/ENGINEERS SPECS

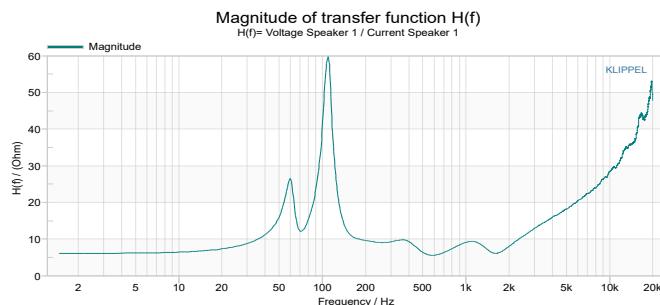
The loudspeaker shall utilize the Paralene patented enclosure. The coverage pattern shall be 150 x 20. The loudspeaker shall have an operating range of 100 Hz - 17 kHz, - 10 dB, 160 Hz - 14.6 kHz, - 3 dB. Sensitivity of 96 dB SPL (measured at 1M @ 2.83V input). Output of 124 dB SPL continuous / 130 dB SPL Peak. Power handling shall be 1520 Watts program.

The loudspeaker shall be constructed of 13 ply Baltic birch with all drivers combining via the patented Danley Sound Labs Paralene lens horn technology and producing a unique form factor that is a patented Synergy Horn. The loudspeaker shall be the Danley Sound Labs SBH20FF.

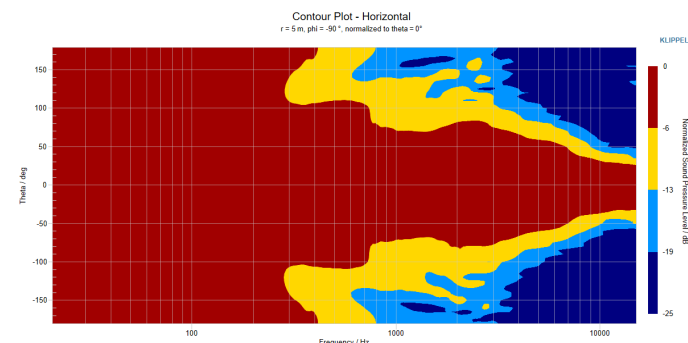
Sensitivity



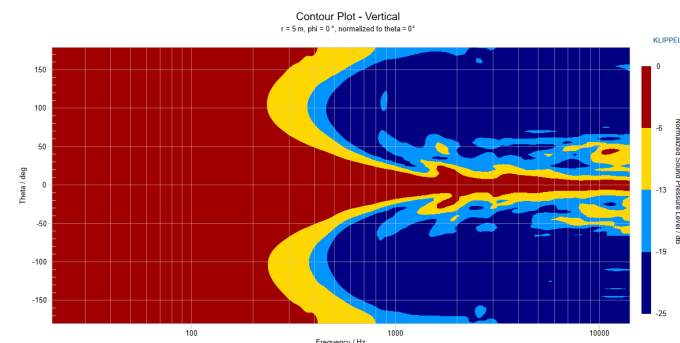
Impedance



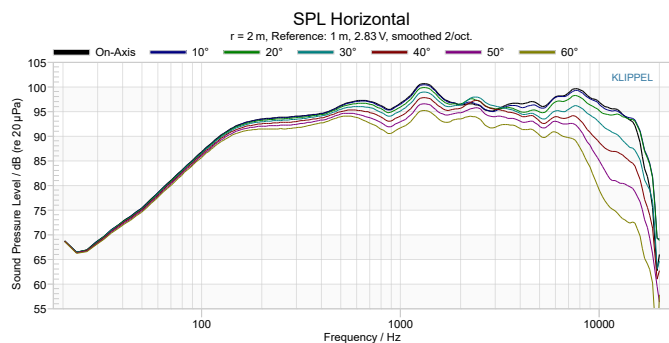
Horizontal Directivity Contour



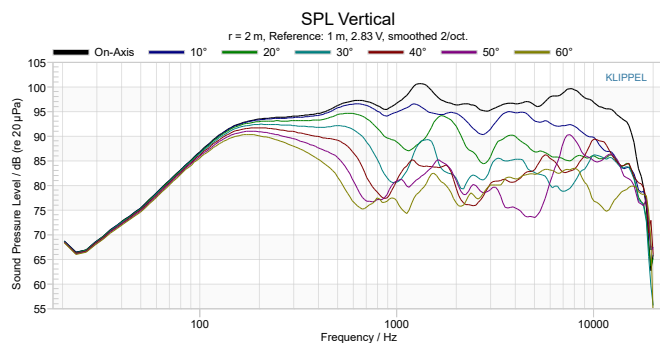
Vertical Directivity Contour



Horizontal Polar Response



Vertical Polar Response



Rev. 20230428