

Description

The SBLA210 is a compact line array enclosure designed to bring superb next generation line array performance to concert, theatre and commercial events. It meets the need for a high power; high bass impact system that is versatile and scalable for a very wide range of applications in the live sound, corporate and fixed installation fields. SBLA210 grids allow systems to be flown or ground stacked as required.

Though compact in size, the SBLA210 is a full-bandwidth system and may be used without subwoofers in many applications. Where additional low frequency extension is required, the SBLA210 can be complemented by ground stacked horn loaded subwoofers.

Components

The SBLA210 is a 2-way system that combines line array principles with innovative horn loading techniques to produce a very powerful compact line array with impressive dynamic impact. The low frequency section of the SBLA210 is comprised of dual 10" /3" (75mm) voice coil driver that is reflex loaded to extend the LF output to below the natural cut-off point of the horn. This horn load technique marries the very high efficiency of horn loading with the extended low frequency response of a reflex enclosure.

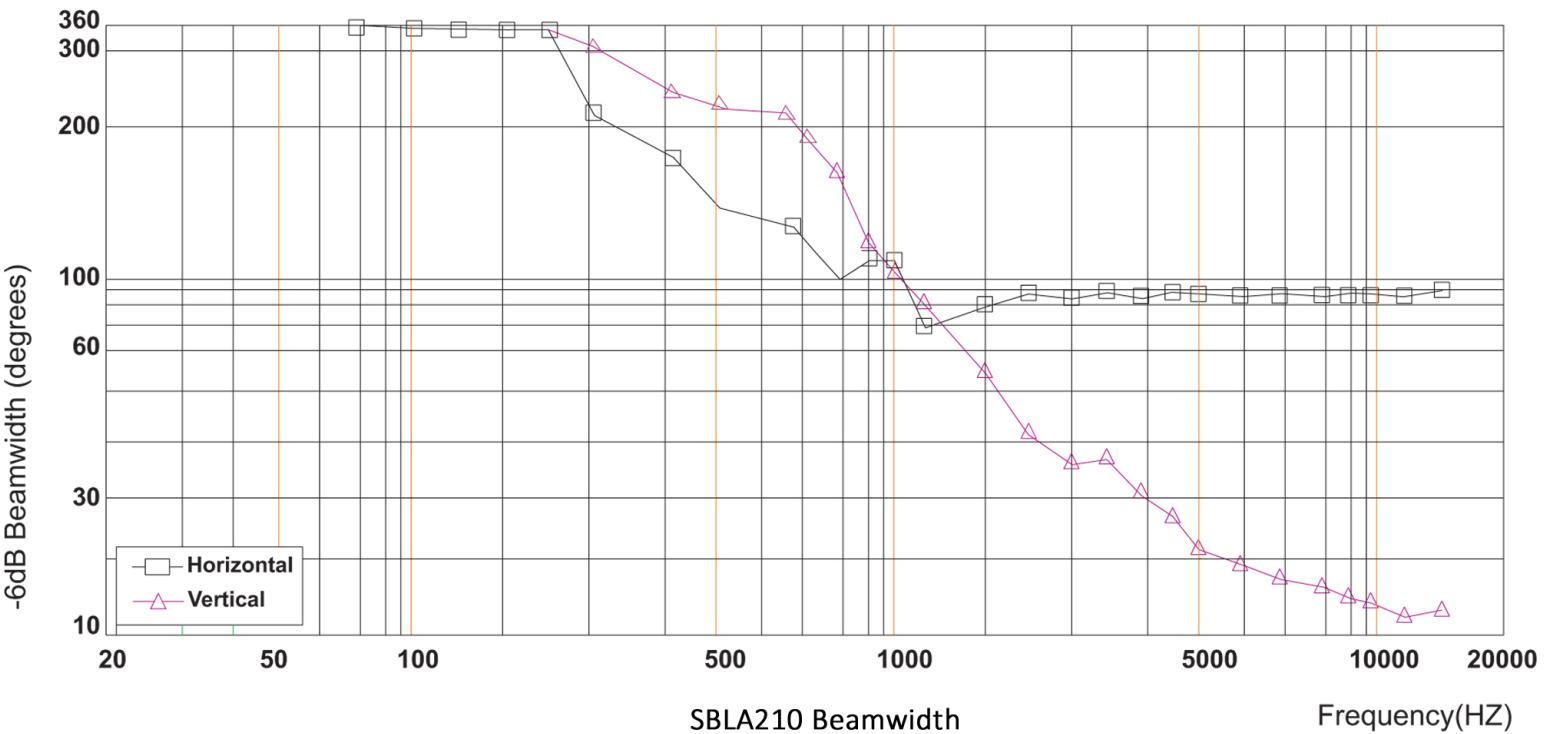
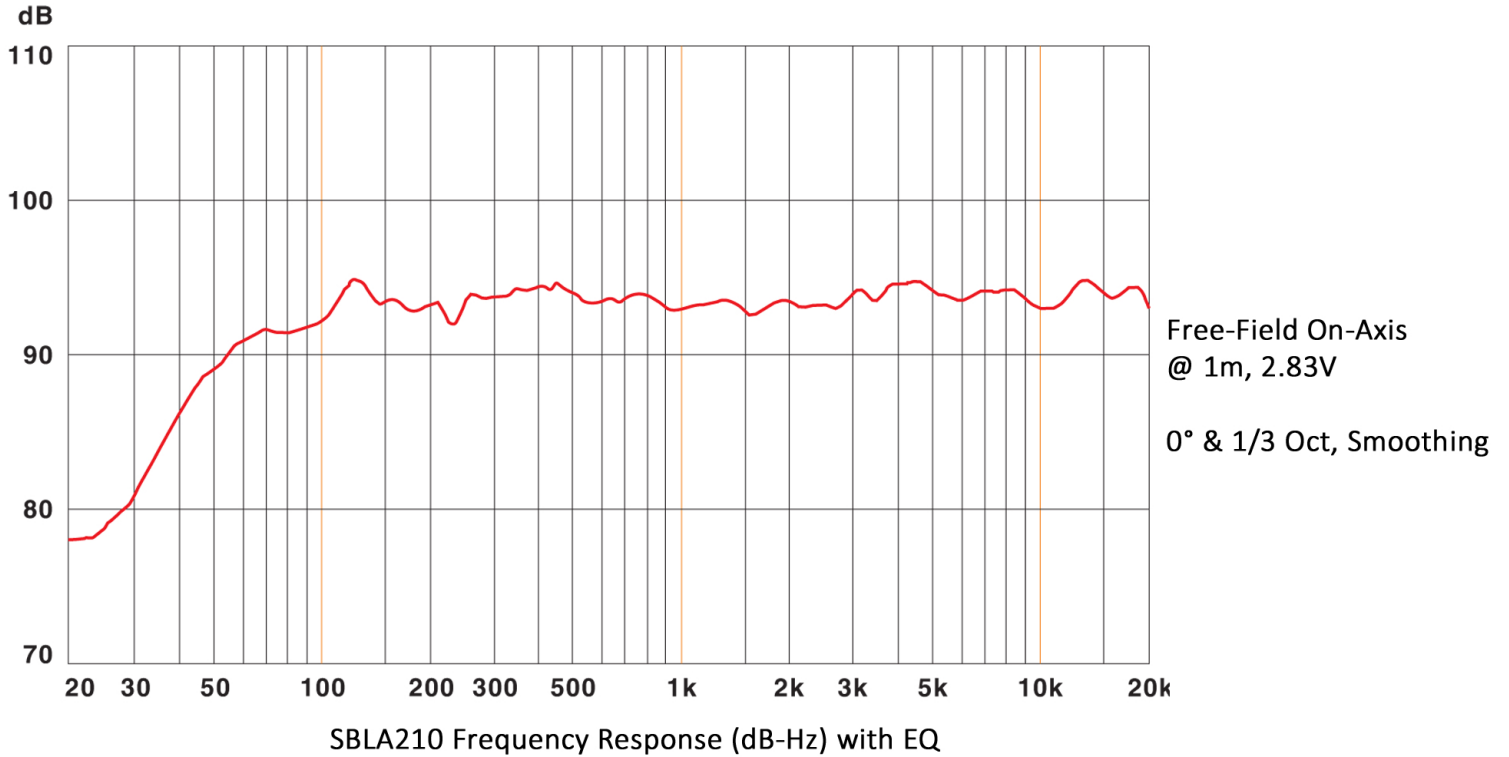
The SBLA210 HF section is comprised of one 1.4" throat, 3" (75mm) voice coil horn element to produce a low-curvature vertical wave front with an efficiency of 113dB @ 1m for a 1W input. This optimal HF curvature enables the SBLA210 enclosures within the array to be splayed up to 8° without introducing gaps in the HF vertical coverage.

Specifications

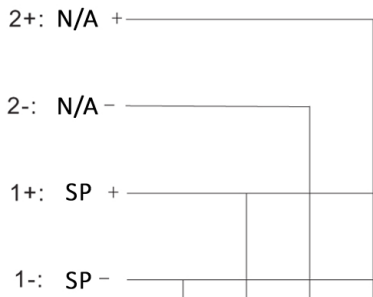
Type:	2 x 10" Passive, Two Way, Full Range Line Array Enclosure
Coverage Pattern:	110° (Horizontal), 8° (Vertical)
Components / Drivers	Driver (LF): 2 x 10", 3" VC, Front Loaded Driver: (HF): 1 x 1.4" Throat, 3" VC, Titanium Diaphragm, Neodymium Magnet, Compression Driver on Low Distortion Horn
Power Ratings	Power Ratings (LF): 600W Continuous, 2400W Peak Power Ratings (HF): 150W Continuous, 600W Peak
System Frequency Response:	75Hz-18KHz (-3dB)
Drivers Frequency Response	(LF): 60Hz-3.0KHz (HF): 600Hz-18KHz
Drivers Sensitivity	(LF): 98dB / 1W / 1m (HF): 113dB / 1W / 1m
Nominal Impedance	(LF): 8Ω (HF): 8Ω
Component(s) Impedance:	(LF): 8Ω (HF): 8Ω
Internal Crossover	1.3KHz, Passive
SPL	(LF): 126dB Continuous, 132dB Peak (HF): 131dB Continuous, 137dB Peak
Recommended Amplifier:	(LF): 800 – 1200W into 8Ω (HF): 300W- 600W into 8Ω
Connectors:	2 x NL4, 4 Pin, Neutrik Connectors
Pin Outs	PIN 1+: SP PIN 1-: SP PIN 2+: N/A PIN 2-: N/A
Rigging:	Fast Integral adjustable rigging system with variable splay angles (0° to 8°)
Enclosure Construction:	15mm Multi-Plywood
Finish Options:	Black Polyurethane Paint
Dimensions (W*H (Rear)*D): :	30" x 12" (9.6") x 18" 760mm x 306mm (243.4) x 460 mm
Net Weight:	64 lbs. (29 kg)

Notes:

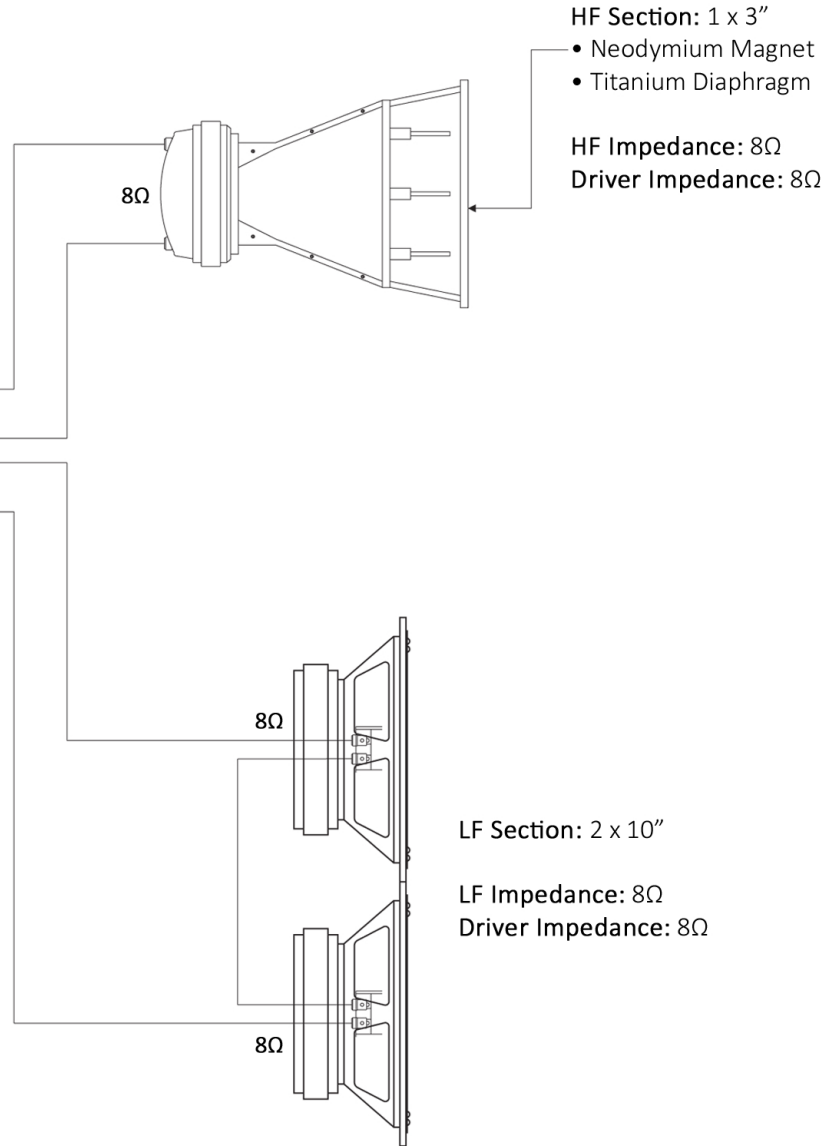
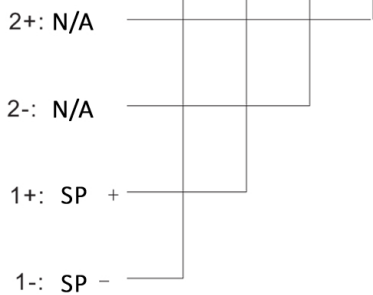
- (1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
- (2) EIA Standard RS-426-A-1980.
- (3) Measured in half space conditions at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
- (4) Measured in half space conditions at 2 metres using band limited pink noise, then referred to 1 metre.

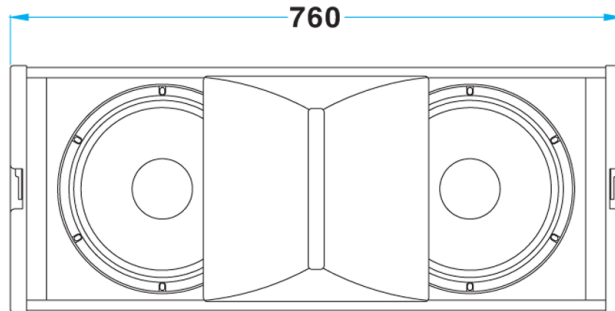


4 PIN Input:

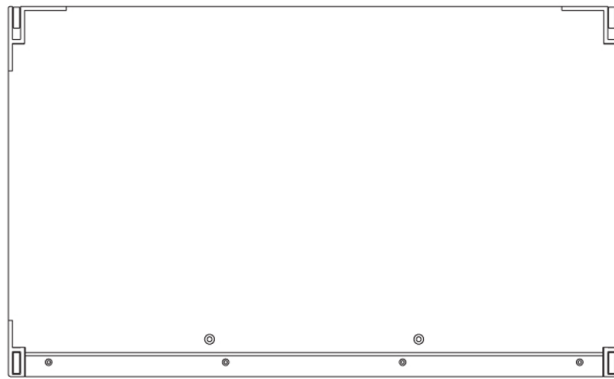


4 PIN Input:

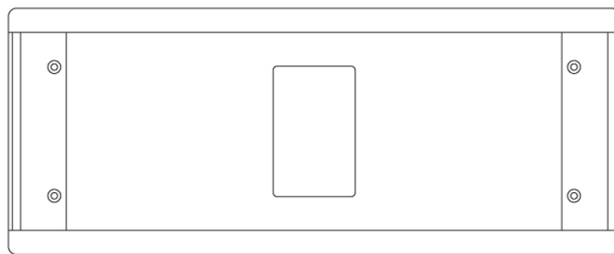




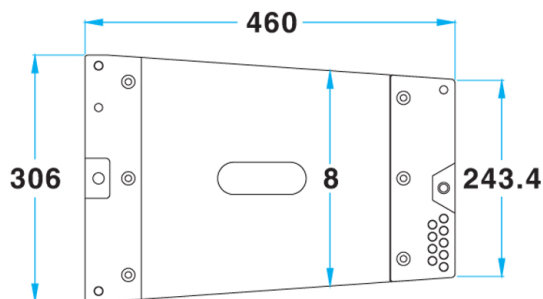
Front View



Top View



Rear View



Side View