

Compact, 12" (3" voice coil) passive subwoofer cabinet band pass configuration.



### Key features

- Compact band pass sub bass cabinet
- Ultra low air noise
- Screwless grill with protective acoustic textile
- Integrated ergonomic handle
- Hidden speakon connection
- Pole mount fitting
- Polyurea coating

### Applications

- Club & bar installation
- Houses of worship
- Sound reinforcement
- Theatres
- Public address
- Multi media spaces

### General description & specifications

The BS-112 is a compact, band pass passive subwoofer cabinet designed to extend low frequency support to the four BS Series full range cabinets.

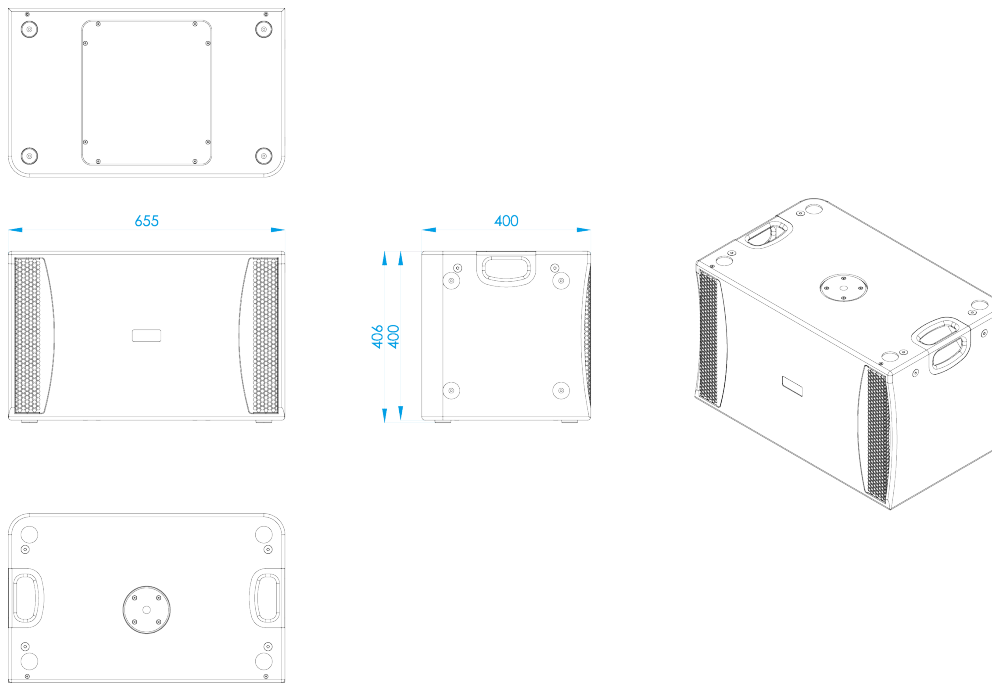
The 12" (3" voice coil) driver offers high power handling and high sensitivity with low distortion and ultra low air noise. The cone is waterproof and rubber suspension has been treated on both sides and has been optimized for direct radiation subwoofer applications.

Constructed from premium birch plywood and coated in high resistant polyurea paint. The enclosure also offers a screw free grille together with pole mount fitting so that it can be used with any of the four full range cabinets. We recommend that the cabinet presets are applied for maximum optimization and performance.



### Technical Data

<b>Components</b>	
• LF:	12" speaker, 3" ( 75 mm) copper wire voice coil, Waterproof cone with treatment on both sides
<b>Frequency range</b>	40 Hz - 90 Hz with preset
<b>Sensitivity</b>	93 dB
<b>Max SPL</b>	120 dB / 126 dB
<b>Rated Power</b>	500 W AES (1000 W program, 2000 W peak)
<b>Dispersion</b>	Quasiomnidirectional
<b>Nominal Impedance</b>	8 Ω
<b>Connectors</b>	2 x NEUTRIK Speakon NL4
<b>Finish</b>	Polyurea coating
<b>Material</b>	15 mm Premium birch plywood
<b>Dimensions</b>	406 x 655 x 400 mm (H x W x D)
<b>Weight</b>	29 Kg (63.9 lbs)
<b>Fittings</b>	2 integrated ergonomic handles, 4 rubber feets right side for vertical install, M-10 fly points
<b>Accessories</b>	M-20 connector pole, M-10 eyebolt
<b>Enclosure Type</b>	Band pass subwoofer

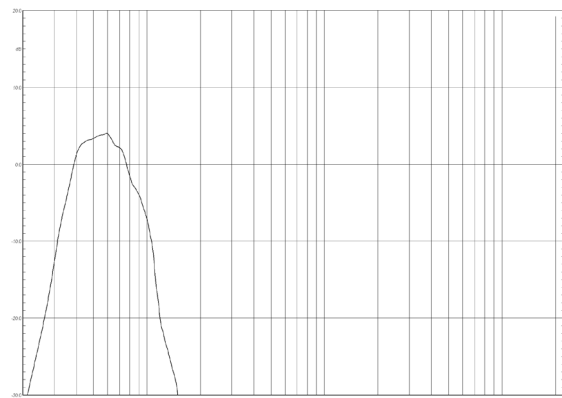
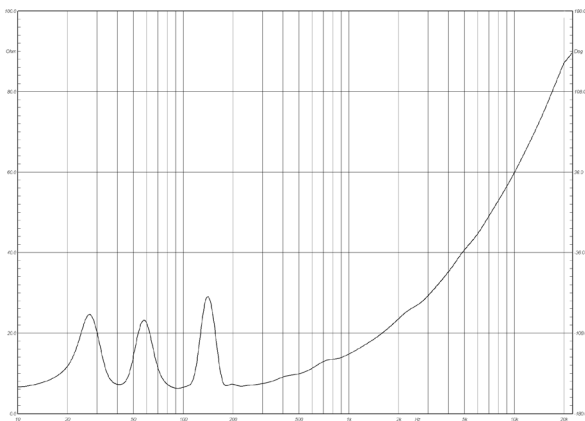
### Dimensional Drawing



### Accessories

	AGR-8	M8 Eyebolt
	TU-C02	M20 pole support for combination between sub and satellite cabinet

### Impedance Response & Frequency Response



## Model BS-112 Optimizer Preset

This document contains the filter values for the model BS-112 speaker.

NUMBER FILTER	TYPE OF FILTER	FREQ Hz	Q	GAIN dB
1	Parametric Q Adap	250	2.5	-4.5
2	Parametric Q Adap	63	2	2
3				
4				
5				
6				
7				
8				
9				

CROSSOVER	TYPE	FREQ Hz	GAIN dB
LOW-PASS	L-R	90	8° 48 dB/Oct
HIGH-PASS	Buttw	35	4° 24 dB/Oct

### Note:

The preset is made with an amplifier from the RS series and an ARK processor. Using other products will not guarantee the same result and if the preset is incorrectly introduced it can affect the performance of the system and the reliability of the speaker.

Ensure the impedance of the loudspeaker and the maximum AES power is capable of supporting when adjusting the power limitation in the amplifier.

This can also lead to loss of warranty claims in case of damage.

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