

# Subwoofers

# SB115

## Compact Subwoofer

1 x 15" ventilated cone driver (3" voice coil)  
Dual interactive chamber

## Features

Minimum height and width  
Accuracy in low frequency reproduction  
Sonic impact

## Applications

Very compact mobile system  
Unobtrusive in fixed installations  
Stage monitoring drum fill

## Specifications

45 Hz - 300 Hz  
500 W AES  
132 dB SPL Max @1m  
8 Ohm  
15.5" x 22.8" x 22.6" (395 x 580 x 575 mm)  
1 thermal protection

Processor required

The SB115 is an extremely compact and efficient subwoofer for either fixed installations or mobile applications. It features a single 15" speaker loaded in a dual interactive chamber. This new loudspeaker takes advantage of a proprietary technique of forced thermal transfer, which drastically reduces thermal compression effects, resulting in exceptional sound pressure capacity down to 60 Hz.

The bandwidth efficiency gain compared to a traditional bass-reflex loaded cabinet is at least 2dB. They are also extremely reliable thanks to the fact that there is volume both at the front and the back of the cabinet which leads to excellent membrane movement control.

In terms of handling, the SB115 features four integrated handles, eight fly/fixing points for wall or ceiling mount purposes, a pole-mount point and protective skids.

The SB115 must be used with an APG processor from either the LP or SP ranges, or a digital processor (DMS26 or DMS48).



Subwoofer SB115

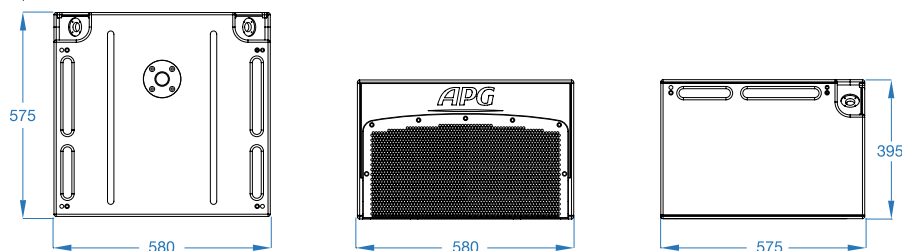
The SB115 is designed for low frequency reinforcement of small to medium power sound systems where space is at a premium. The total efficiency gain resulting from both the acoustic load and the forced venting technology is about 3dB of sound pressure. The SB115 is therefore an ideal choice for applications where maximum power in the low frequencies is required from a minimum amount of space.

In fixed installations, SB115's reduced dimensions enable unobtrusive installation in restricted environments, such as under seats or on a small stage, or flown from the ceiling. They are ideal for theatres, conference room or multi-media applications or indeed as part of a compact, efficient FOH system in bars, small clubs or mobile sound systems. These subwoofers are also perfect for distributed sound in large scale installations. Their compactness offers very discreet low frequency reinforcement for "drum fill" application. The SB115's offers low frequency from 45 Hz for maximum precision even in difficult acoustic environments.

# APG

# SB115

## Technical Specifications



### Features

	SB115
Frequency range with processor ( $\pm 3$ dB)	45 Hz to 100 Hz (1)
Sensitivity @ 1W 1m	102 dB SPL
Maximum level @1m	129 dB SPL
Peak level @ 1m	132 dB SPL
Normal Impedance	8 Ohm

### Components

Transducers	1x15" w / ventilated driver
Coil diameter	75 mm (3")
Type of load	Double Interactive Chamber

### Power

Recommended amplifier	500 to 1000 W (2)
Peak	1500 W
AES	500 W (3)

### Construction and characteristics

Cabinet	18 mm Finnish birch plywood
Overload protection	Thermal circuit breakers with automatic reload
Finish	Black, impact resistant aquarethane coating
Front panel	Acoustically transparent perforated steel, 1.5 mm thickness (10 mm acoustic foam)
Connectors	2 x SPEAKON NLM4P (4)
Handle	1 x built-in metal bar
Satellite speaker set up	1 x 36 mm, built in stand fitting
Dimensions (H, W, D)	15.5" x 22.8" x 22.6" (395 x 580 x 575 mm)
Net unit weight	64 lb (29 kg)
Gross weight packed	70.5 lb (32 kg)

### Options and accessories

QFS4 (5)	4 integrated steel parts
Contact us for all painting or waterproof adaptation	

### Signal Processing

The dedicated APG processors we offer for our range of systems, allow to combine different types of subwoofers with satellite loudspeakers. These processors provide active crossover, EQ, speakers protection, standard filtering fonctions for a stereo system including subwoofers.

(1) The frequency response is filtered between 80 and 110Hz by the low pass filters on the APG processors. However the SB115 can be used up to 300 Hz.

(2) These power levels apply to the use of one single enclosure (8 ohms), for two enclosures (4 ohms) the power level is doubled.

(3) In order to take full benefit of the dynamic performance, sonic quality and reliability of the speakers, the recommended amplification must at least correspond to the AES rating. Lesser amplification is acceptable for applications requiring less power (near-field, distributed systems,...), whilst not being less than half the AES rating. The AES power handling corresponds to a 2 hour test using weighted pink noise (peak factor of 6dB) through a frequency range of one decade.

(4) The SPEAKON connectors are wired pin 1+, pin 1- and pin 2+, pin 2-.

(5) The QFS4 option offers 8 points of rigging: 4 on the top and 2 on each side.

(6) The SB115 can be provided with custom color (PENTONE or RAL ref). Two levels of waterproof protection can be applied depending on the environment.

**5 YEARS WARRANTY** \*A five years warranty covers passive filters, transducers and compression drivers. The warranty does not cover cosmetic damages and damages due to misuse, improper installation, or damages caused by alterations.

Printing : November 2013

APG has a comprehensive research and development policy for the continual improvement of its products and service. Due to this, new materials, manufacturing methods and technological changes may be introduced without prior notice. As a result, an APG product can differ from its published description in certain areas. However, unless otherwise indicated, its characteristics will always equal or better the published specifications.