

sub 115

Subwoofer with SIC™ technology

FEATURES

The PULZ® **sub115** extends the usable range of any loudspeaker to 40Hz. Its extremely compact format offers an ideal companion to fixed or touring system.

SIC™ technology, Single Interactive Chamber, increases bandwidth and efficiency while reducing total volume of vented bass loudspeaker by combining rear and front load in the same volume. Because rear and front load do not work in the same frequency region, it is possible, with a special calculation layout, to fuse both functions in only one. In practice, SIC™ technology, by using this new physical approach, virtually suppresses one of the two volumes and dramatically reduce the total size of vent loaded subwoofer.

When used with CX15 or CX15S enclosures, the **sub115** is ideal for stage monitoring applications such as sidefill, keyboard or drum fill monitoring. When operated in conjunction with smaller enclosures, the **sub115** is highly suitable for corporate (A/V) applications.

APPLICATIONS

For use with PULZ® loudspeakers, the signal is provided by PULZ® analog controllers. Alternatively, recommended factory presets for digital processors are available.

With power handling capacity of 500 W (1500 W peak) and response to 40 Hz, the **sub115** is the answer for applications requiring additional low frequency extension from a compact enclosure. The Sub115 provides low end extension and upper mid bass articulation combined with high power handling and efficiency. Due to its SIC design, single or multiple **sub115** enclosures couple effectively while providing the bass definition and musicality that only a larger front loaded subwoofer can provide. The compact dimensions of the **sub115** provide a high degree of versatility for installations where space is at a premium.

Typical applications include distributed subwoofer systems for club, theatre, conference room or multimedia installations.

- single 15" subwoofer enclosure
- front & rear-loaded optimized S.I.C. design
- high power handling
- low thermal compression
- maximum efficiency x bandwidth volume
- compact dimensions
- optimized for 40-200 Hz bandwidth



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features

Frequency range (± 3 dB)	40 Hz to 200 Hz
Sensitivity @1W 1m, $f > 35$ Hz	100 dB SPL
Maximum continuous level at 1m, $f > 35$ Hz	127 dB SPL
Peak level at 1m, $f > 35$ Hz	133 dB SPL

components

Transducers	1 x 15" weatherproof loudspeaker
Type of load	Single Interactive Chamber

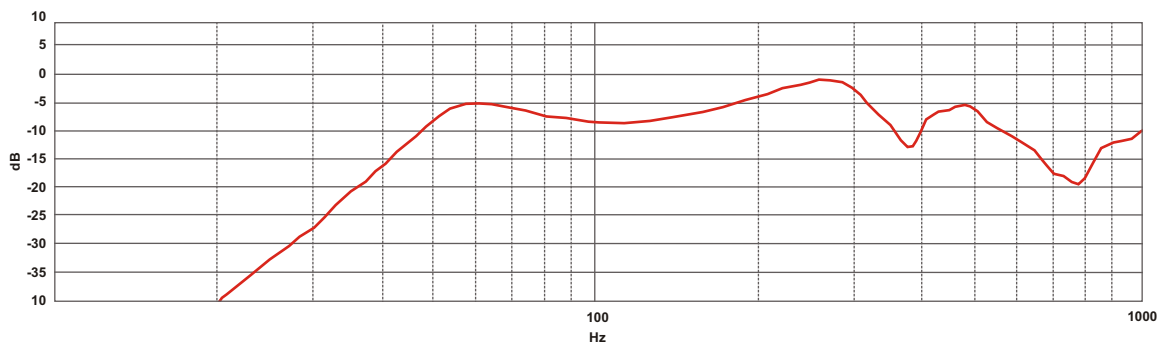
power

Recommended amps	300 to 800 W into 8 Ohms
Peak	1500 W
AES	500 W

construction & characteristics

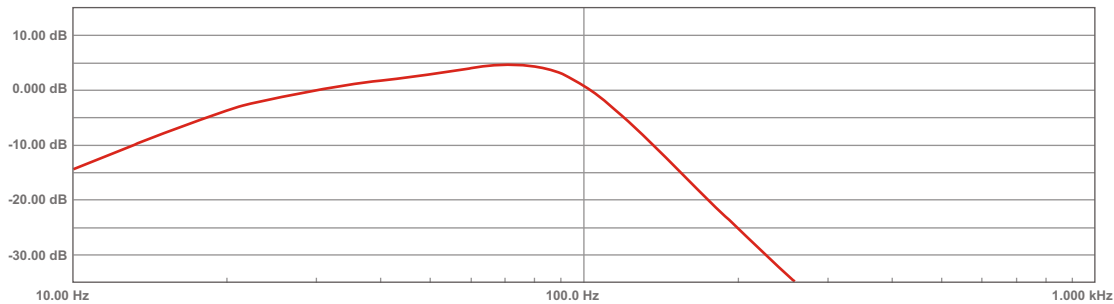
Cabinet	15mm plywood with internal reinforcements
Finish	Gray, impact resistant structured coating
Protection grill	Acoustically transparent perforated steel, 1.5mm thick
Grill back-up	Gray, woven, heavy duty fabric
Connectors	2 x SPEAKON NLM4P
Handles	2 x built-in steel bar
Mounting on stand	1 x 35 mm built in stand fitting
Dimensions (H x W x D)	19" x 19" x 19" (480 x 480 x 480 mm)
Net unit weight	57lb (26 kg)
Gross weight, packed	xxxxxxx

frequency response



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recommended filtering curve



In order to optimise the frequency response and the power capacity of the Sub115, we recommend the following active filtering presets :

High Pass 28Hz, 2nd order

Parametric Eq 80Hz, Q=1.6, G= +3dB

Low Pass 90Hz, 4th order

Note The low pass frequency can vary from 90Hz up to 200Hz