

sub 215s

Subwoofer with SIC™ technology & 2 high power neodymium 15" loudspeakers

FEATURES

The PULZ® **Sub215S** extends the usable range of any loudspeaker to 35Hz. Its compact format offers an ideal companion to fixed or touring system.

The **SUB215S** is equipped with two high power neodymium Audio 15" loudspeakers.

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, SICTM 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 **Sub215S** is ideal for medium size front of house. Multiple **Sub215S** can be operated for large front of house.

- double 15 " subwoofer enclosure
- front. & rear- loaded optimized S.I.C. design
- very high power
- sophisticated electronic built-in protection
- high power handling
- low thermal compression
- maximum efficiency bandwidth volume
- compact dimension
- optimized for 35 - 200 Hz Bandwidth

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 1600 W (4000 W peak) and response to 35 Hz, the **Sub215S** is the answer for applications requiring additional low frequency extension at high SPL from a compact enclosure.

The **Sub215S** provides low end extension and upper mid bass articulation combined with very high power handling and efficiency.

Due to its SIC design, multiple Sub215S enclosures couple effectively while providing the bass definition and musicality that only a larger front loaded subwoofer can provide. The compact dimensions of the **Sub215S** provide a high degree of versatility for installations where space is at a premium. Typical applications include distributed subwoofer systems for club, open air systems or concert halls.



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features

Frequency range (± 3 dB)	35 Hz to 200 Hz
Sensitivity @1W 1m, f > 30 Hz	103 dB SPL
Maximum continuous level at 1m, f > 30 Hz	133 dB SPL
Peak level at 1m, f > 35 Hz	139 dB SPL

components

Transducers	2 x 15" weatherproof loudspeaker
Type of load	Single Interactive chamber

power

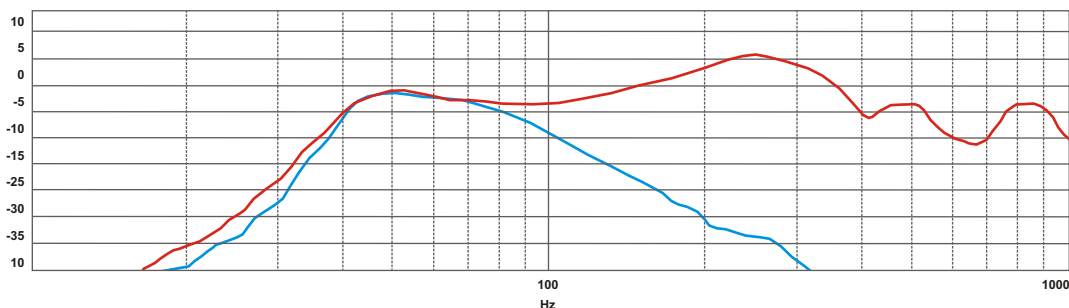
Recommended amps	1000 to 2000 W into 8 Ohms
Peak	4000 W
AES	1600 W

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	3 x built-in steel bar
Mounting on stand	1 x 35 mm built in stand fitting
Dimensions (H x W x D)	17.72" x 32.28" x 23.6" (450x 820 x 600 mm)
Net unit weight	40 kg
Gross weight, packed	45 kg

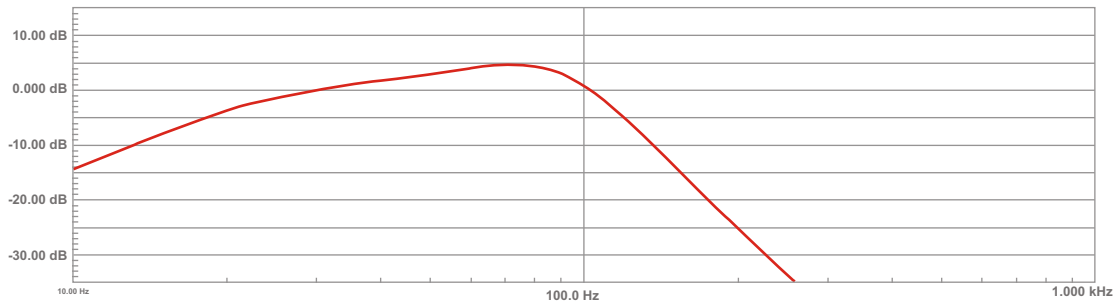
frequency response

Red: No Process Blue: Process



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recommended filtering curve



In order to optimise the frequency response and the power capacity of the Sub215s, we recommend the following active filtering presets :

High Pass: 25Hz, 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.