



ENGINEERED BY



SPIRATECH™ Series

ARS-218

Dual 18", High Power,
Sub-Woofer

Description :

The ARS-218 Sub-Woofer is a double 18" enclosure designed for the reproduction of the sub low frequency spectrum of sound with a very high quality reproduction. Its main purpose is sound reinforcement in set-ups requiring high SPL down to extreme levels with absolute fidelity. Typical applications include live concerts and all types of multi-media events.

Main Characteristics:

- Central bass-reflex configuration.
- Advanced Technology transducers including optimized cooling and all-weather cones.
- Precision cabinet construction to achieve light and high resistance cabinets.
- Wear-proof, bi-component exterior finish offering ultra-high anti-scratch protection.

All these characteristics contribute to obtain the advantages and performance of a true Sub-Woofer, so important in a Line Array rig. Its benefits are positively noticeable in P.A. set-ups as well as in fixed installations. The ARS-218 enclosure enhances the whole system with an extra low-energy input that is so important in today's music material, whatever the style.

The ARS-218 is a rugged enclosure, which mounts two high power, 18" transducers. With these advanced components the cabinet renders an astounding effectiveness hard to match by any other cabinet of its class and size.

The cabinet is equipped with a protection front steel grille, coated with outdoor resistant compounds. It is fitted with heavy-duty skids permitting stacking in total security.

Integrated, side handles are provided for ease of operation.

The ARS-218 Subs can be stacked in the required proportions under the flown units or in a centrally situated position under the stage level. Its Efficiency and Frequency Range vary and depend on the total number of cabinets used.

The horizontal coverage will be inversely proportional to the product of the length of the array and the concerned frequency. In this case between 20 and 80 Hz. Or put in a different way, the higher the number of cabinets, the better our directivity control and the more specific our pattern behaviour. Thus a medium/large assembly of subs in a Line Array rig is capable of producing large amounts of low-end energy.

The recommended applications include:

- Auditoria
- Stadia
- Concert Halls
- Convention Centres
- Theatres
- Open-air concerts and general events
- Large Ballrooms



Specifications and characteristics

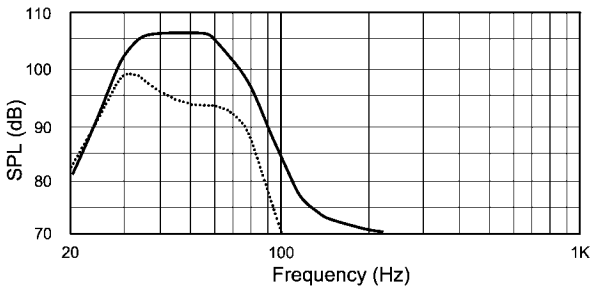
Frequency Response (Hz)	± 3dB	32Hz - 65Hz
Frequency range (Hz)	±10dB	29Hz - 85Hz
Sensitivity (dB/2,83V@1m)	101dB	
SPL Max / Peak (dB SPL@1m)	140dB	
Recommended signal processor	RAM Audio LMS 244 Digital Processor	
Recommended crossover	L-R 24dB/oct - 80 Hz	
Input power rating	1800W AES	3600W Program
		7200W Peak
Recommended power amp	1800W - 2300W RMS 4 Ohm amplifier	

Constructive elements

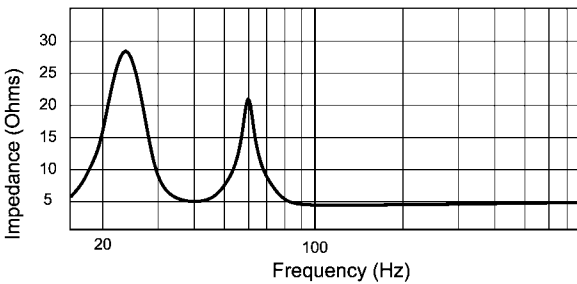
Transducers	2 x 18" transducers with 4.5" coil. Double inner suspension 1800W AES. (900W AES per unit)
Enclosure	Horizontal parallelepiped construction 18mm Baltic cross ply, tongue and groove assembly throughout. 35mm front panel and outer frame. Bi-component epoxy finish
Protection grill	1.5mm laminated steel with textured epoxy finish
Enclosure protections	Skids on all resting surfaces
Handles	Cut in the enclosure for ease of handling
Connectors	Two Neutrik NL8 connectors on steel back plate
Dimensions (W x H x D)	1239 x 549 x 800 mm (48.8 x 21.6 x 31.5 inches)
Net weight	87 Kg (191 Pounds)

ARS-218

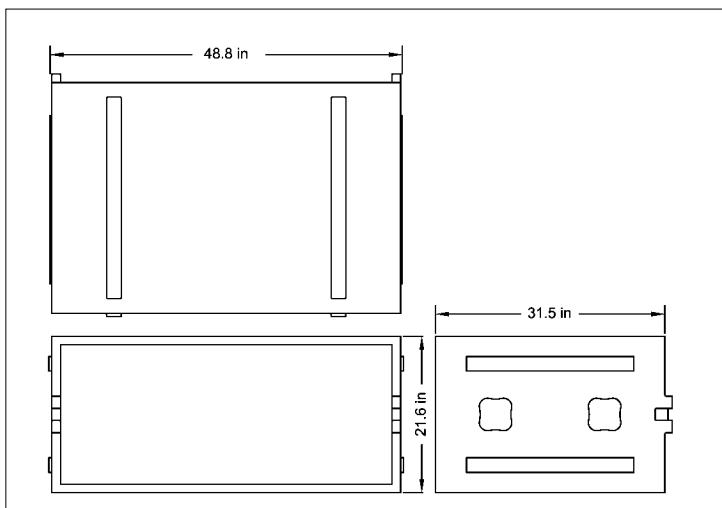
Dual 18", High Power, Sub-Woofer



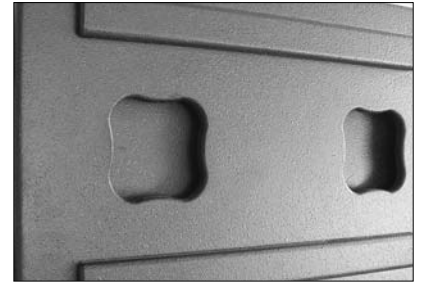
Frequency response (solid line) of a single ARS-218 with RAM Audio LMS-244 Digital processor preset recommended (dashed line)



ARS-218 Impedance



DIMENSIONS: 1239mm(W) x 800mm(D) x 549mm(H)



Ergonomic handles are provided on the enclosures' side panels for ease of handling. Heavy duty skids protect the cabinet against normal work abrasion.



DAR-218 Protection cover and transport dolly

This rugged front cover provides exceptional protection to the AR-215 enclosures and permits an easy handling on horizontal surfaces thanks to its heavy-duty castors. A positive locking system makes them an integral part of the enclosure and fit for extreme transport conditions. While not in use, they stack to become unobtrusive.



BACK VIEW

