



ENGINEERED BY



PERFORMING MUSICIAN Series

# PMS-15

Single 15", High Power,  
Sub-Woofer

## Description :

The PMS-15 Sub-Woofer is a 15" 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:

- Double-tuned, parallel band-pass design.
- 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 PMS-15 enclosure enhances the whole system with an extra low-energy input that is so important in today's music material, whatever the style.

The PMS-15 is a rugged enclosure, which mounts a high power, 15" transducer in a double-tuned, parallel Band-Pass configuration. 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 PMS-15 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 80Hz. 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

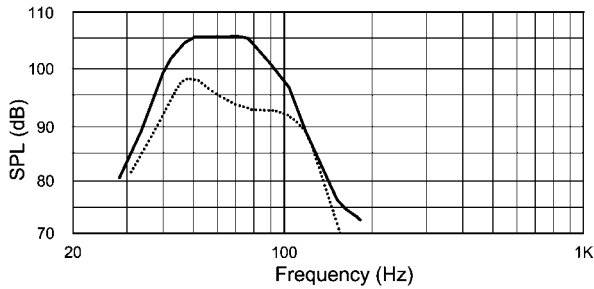
Frequency Response (Hz)	± 3dB	42Hz - 86Hz
Frequency range (Hz)	±10dB	34Hz - 104Hz
Sensitivity (dB/2,83V@1m)	98dB	
SPL Max / Peak (dB SPL@1m)	135dB	
Recommended signal processor	RAM Audio LMS 244 Digital Processor	
Recommended crossover	L-R 24dB/oct - 80 Hz	
Input power rating	700W AES	1400W Program
		2800W Peak
Recommended power amp	600W - 1100W RMS 8 Ohm amplifier	

## Constructive elements

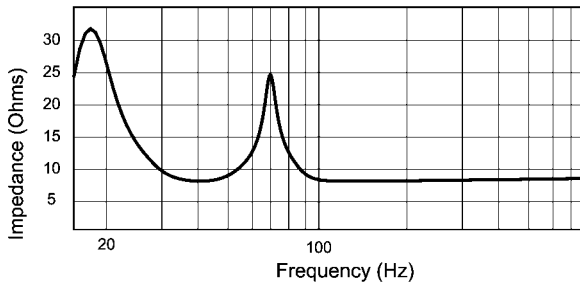
Transducers	1 x 15" transducers with 4" coil
	700W AES
Enclosure	Horizontal parallelepiped construction
	18mm Baltic cross ply, tongue and groove assembly throughout. 35mm front panel and outer frame. Bi-component epoxy finish
Protection grill	1.5mm laminated steel with textured epoxy finish
Enclosure protections	Skids on all resting surfaces
Handles	Cut in the enclosure for ease of handling
Connectors	Two Neutrik NL-8 connectors on steel back plate
Dimensions (W x H x D)	609 x 317 x 523 mm (24 x 12.5 x 20.6 inches)
Net weight	32.5 Kg (71.6 Pounds)

# PMS-15

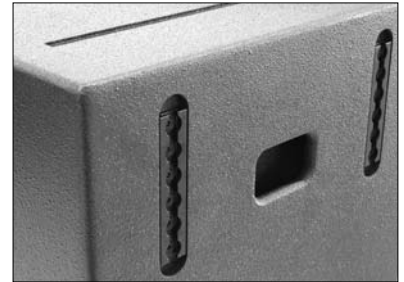
Single 15", High power, Sub-Woofer



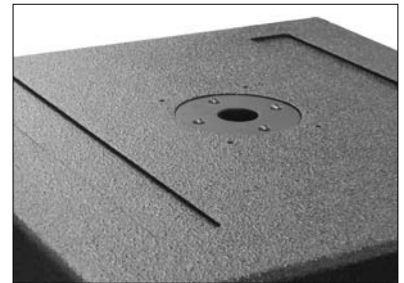
**Frequency response (solid line) of a single ARS-215 with RAM Audio LMS-244 Digital processor preset recommended (dashed line)**



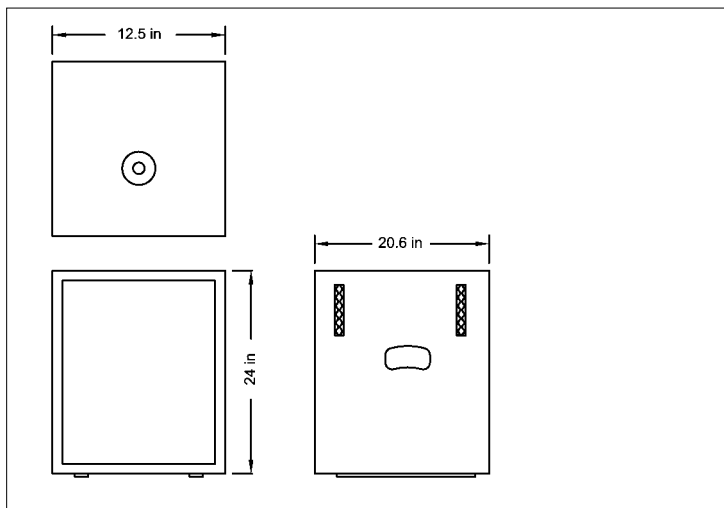
**ARS-215 Impedance**



Ergonomic handles are cut out on both sides to offer easy handling. Twin posi-track strips are the standard equipment to enable positive eventual flying.



Skid pad lodging strips are provided for ease of stacking. The top panel is equipped with a connecting pole receptacle for mid/high units installation



DIMENSIONS: 609mm(W) x 523mm(D) x 317mm(H)



BACK VIEW



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