

# LX-218

**aero**  
series



## FEATURES

- » High performance subwoofer system
- » Two 18LX long-excursion loudspeakers
- » 18 mm plywood
- » Bass-reflex configuration
- » "R" version with captive rigging system

## SPECIFICATIONS

<b>RMS (Average) Power Handling<sup>R</sup>:</b>	2000 W
<b>Program Power Handling<sup>P</sup>:</b>	4000 W
<b>Peak Power Handling<sup>K</sup>:</b>	8000 W
<b>On-axis Frequency Range:</b>	28 Hz - 100 Hz
<b>Nominal Impedance:</b>	4 Ω
<b>Minimum Impedance:</b>	4.3 Ω (at 35 Hz)
<b>On-axis Sensitivity 1W / 1 m:</b>	103 dB SPL
<b>Rated Peak SPL at Full Power:</b>	142 dB
<b>Enclosure Material:</b>	Birch Plywood
<b>Finish:</b>	Black Paint
<b>Transducers/Replacement Parts:</b>	LF: 2 x 18 LX/GM 18LX
<b>Connector:</b>	2 paralleled NL8 Speakon, wired to ±1
<b>LX-218 Dimensions (H x W x D):</b>	55 x 128 x 65 cm (22 x 51 x 26 in)
<b>LX-218R Dimensions (H x W x D):</b>	55 x 135 x 69 cm (22 x 54 x 28 in)
<b>Weight:</b>	LX-218 68 kg (149.6 lb) LX-218R 82 kg (180.4 lb)
<b>Accessories (optional):</b>	AX-AERO38 Bumper AX-AERO48 Bumper KITR-LX218 Rigging Hardware Kit (included with "R" version) KITW-100 Caster Kit PL-LX218 Dolly Panel (only included with "R" version) PL-218S Flat Bed Dolly

## INTRODUCTION

The D.A.S. LX-218 is a high-performance vented sub-woofer system.

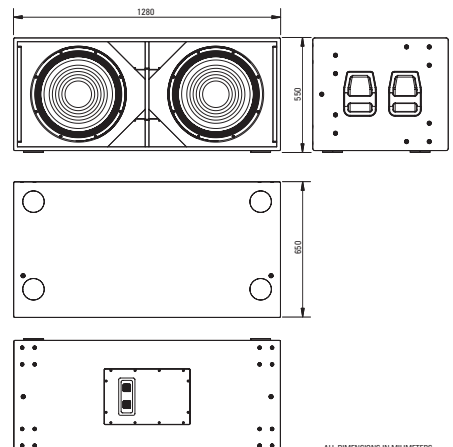
The LX-218R version is intended as flyable subwoofer for the Aero line array systems.

## DESCRIPTION

The units utilize two 18LX long-excursion 18" low frequency speakers with 4" voice coil. Improved voice coil materials, magnet circuit and surround design provide high power handling, low power compression and low distortion.

The rectangular enclosures are manufactured from 18 mm plywood and are finished with a polyurethane paint that provides protection against the elements and abrasion.

The units have a fabric covered steel grille to protect the loudspeaker components. The fabric covering is resistant to wear and tear, provides protection from dust and dirt, and is both acoustically transparent and flame retardant.



<sup>R</sup> Corresponds to the AES power handling rating for the component, based on a 2 hour test using a 6 dB crest factor bandlimited pink noise signal.

<sup>P</sup> Conventionally 3 dB higher than the RMS measure, although this already utilizes a program signal.

<sup>K</sup> Corresponds to the signal crests for the test described in<sup>P</sup>.



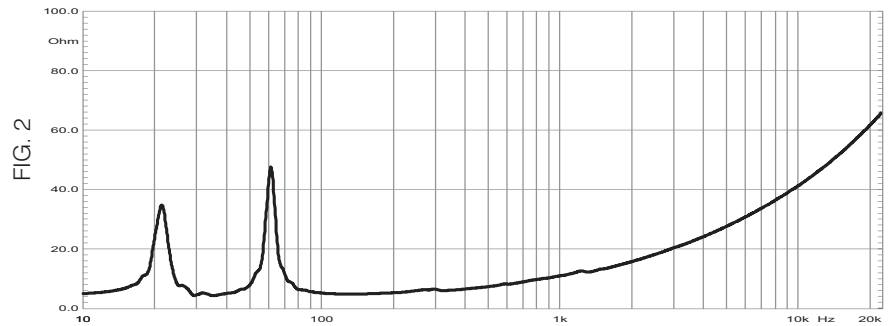
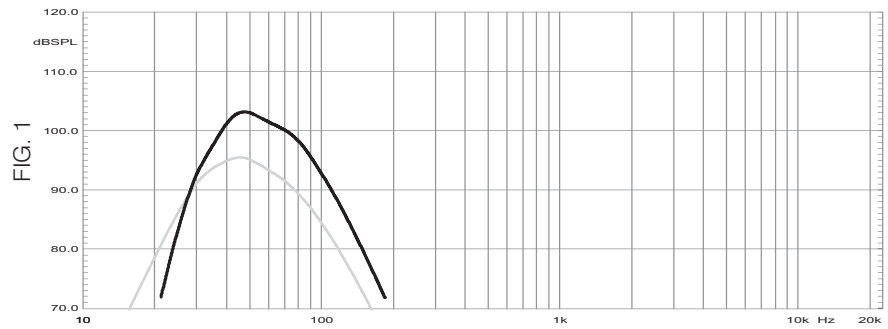
## LX-218

### FREQUENCY RESPONSE

Figure 1 shows the frequency response (black) of a unit with recommended signal processing (grey).

### IMPEDANCE

Figure 2 shows impedance curve.



NOTES. 1.Frequency response: referred to 1 m; low end obtained through the use of near field techniques; one-third octave smoothed for correlation with human hearing.

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.

### Recommended signal processing

HPF: But-24 a 33 Hz

LPF: LR-24 a 82.4 Hz

EQ: 45 Hz / +4 dB / 0.5 oct

### Recommended amplifier power

2 x 2200 W @ 4 ohms (2 units LX-218)



**18LX long-excursion low distortion loudspeaker**

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