

LX-218CA

Self-powered subwoofer system



- » **Bass-reflex configuration**
- » **Two 18LXN long-excursion loudspeakers**
- » **2400 W class D power amplifier**
- » **“Cardiod Preset” for two or three of subwoofers**
- » **Active over-excursion protection**

The D.A.S. LX-218CA is a high-performance powered bass-reflex sub-woofer system.

24 bit DSP provides RMS, peak and over-excursion limiters.

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

The innovative “Cardiod Preset” switch enables cardioid pattern for two or three subwoofers.

The unit utilizes two 18LXN 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.

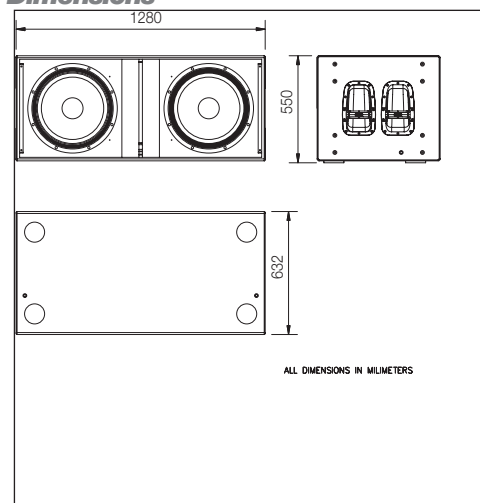
Signal present and limiter leds indicate the system status.

The system incorporates a 2400 W Class D switching amplifier, powering the low-frequency transducers.

Technical Specifications

Power Amplifier¹	4800 W _{peak} - 2400 W _{continuous}
Input Type	Balanced Differential Line
Input Impedance	Line: 20 kohms
Sensitivity	Line: 1.95 V (+8 dBu)
On-axis Frequency Range (-10 dB)	28 Hz - 100 Hz
Rated Peak SPL at Full Power	142 dB
Enclosure Material	Birch Plywood
Finish	Black Paint
Transducers/Replacement Parts	2 x 18LXN / GM 18LX
Connectors	INPUT: Female XLR LOOP THRU: Male XLR AC INPUT: PowerCon NAC 3 FCA AC OUTPUT: PowerCon NAC 3 DFCB
Mains Voltage Consumption	AC 85 V - 270 V, 50/60 Hz with PFC 6.2 A @ 115 V 3.1 A @ 230 V
LX-218CA Dimensions (H x W x D)	55 x 128 x 63.2 cm (22 x 51 x 24.9 in)
LX-218CRA Dimensions (H x W x D)	55 x 135 x 69.6 cm (22 x 53.2 x 27.4 in)
Weight	LX-218CA 80.5 kg (177.1 lb) LX-218CRA 99.5 kg (218.9 lb)
Accessories (optional)	AX-Aero50 AX-Combo12 KITW-100 KITR-LX218C (included with “R” version) PL-LX218C (only included with “R” version) PL-218CS Flat Bed Dolly Pick Up AX-Aero50

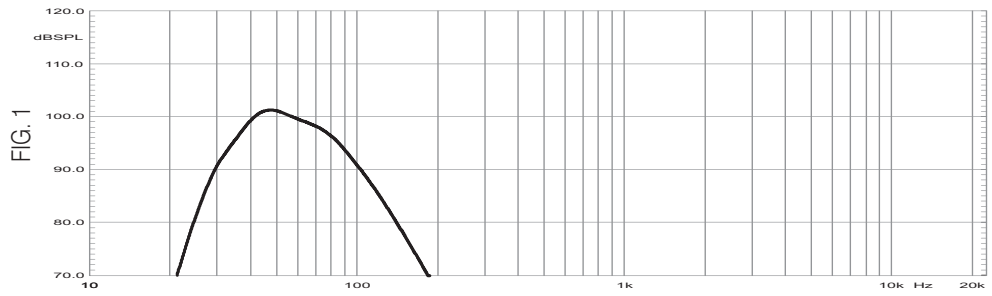
Dimensions



1. Continuous power at driver impedance.

Frequency Response

Figure 1 shows the frequency response at 1 m of a unit radiating to an anechoic environment and driven by a swept sine wave signal (-20 dBu input).



18LXN long-excursion low distortion loudspeaker

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.



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