

UX-221

High power ultra low frequency
subwoofer system



- » Twin 21" Neodymium loudspeakers with 6" voice coils
- » Impressive 60 mm peak-to-peak excursion
- » Solid 21 mm Birch plywood construction
- » Front located connectors for cardioid configurations

The UX-221 is a high-power ultra low frequency subwoofer system designed to provide outstanding performance in terms of output power, bandwidth extension and distortion.

The UX-221 comprises two 21" loudspeakers equipped with 6" voice coils and offers a power handling capacity of 8000 W_{peak} each loudspeaker. The impressive 60 mm peak-to-peak excursion, powerful neodymium magnet assembly and double silicone spider with optimized compliance provide for commanding low frequency response.

The enclosure is constructed using 21 mm Birch plywood and makes use of extensive bracing to eliminate

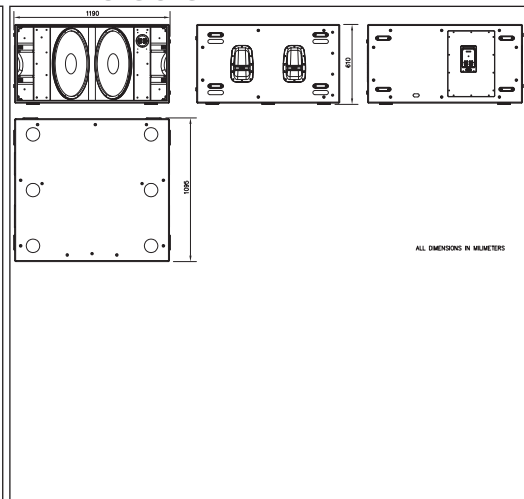
resonances. The woodwork is finished with the robust D.A.S. ISO-flex protective coating for durability.

A dolly platform with locking casters denominated the PL-221S is offered to stack and move the systems. Protection during transport is provided by the optional covers available from D.A.S.

Technical Specifications

Frequency Range (-10 dB)	28 Hz - 125 Hz
RMS (Average) Power Handling⁽¹⁾	2 x 2000 W
Peak Power Handling	2 x 8000 W
On-Axis Sensitivity 1 W / 1 m	104 dB SPL
Rated Maximum Peak SPL at 1 m⁽²⁾	145 dB SPL
Transducers/Replacement Parts	2 x 21UXN4 / GM 21UXN4
Nominal Impedance	2 x 4 ohms
Enclosure Material	Birch Plywood
Color/Finish	Black ISO Flex Black Paint
Connectors	4 x NL-4 speakON (2 rear, 2 front) paralleled, wired to ± 1 LF1, ± 2 LF2
Dimensions (H x W x D)	60 x 120 x 110 cm 23.6 x 47.2 x 43.3 in
Weight	130 kg (286 lb)
Accessories	ANL-2 - M10 Stainless steel rigging kit

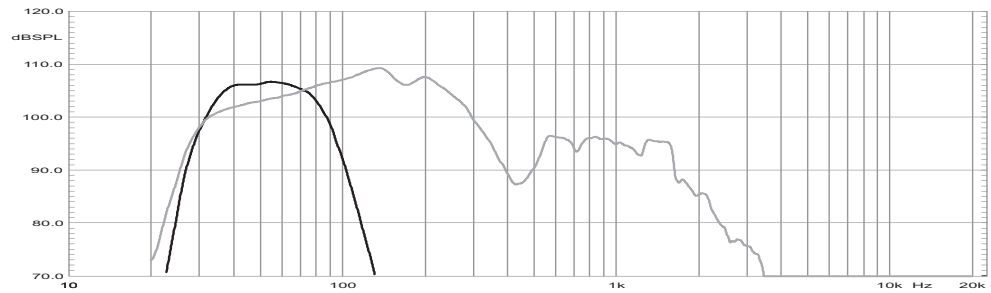
Dimensions



¹ 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.
² Corresponds to the signal crests for the test described in¹.

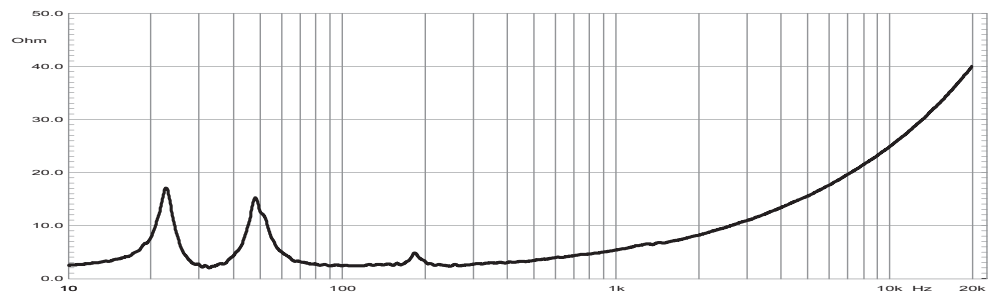
Frequency Response

Shows the frequency response at 1 m of a unit radiating to an anechoic environment and driven by a 1.41 V swept sine wave signal (both drivers connected in parallel). Grey unprocessed, black with DSP 4080 recommended settings.



Impedance

Shows impedance curve.



Recommended signal processing

- LR-48 25 Hz
- LR-48 99 Hz

Recommended amplifier power

2 x 2800 W @ 4 ohms (D-100 amplifier can drive up to 2 UX-221 units: 4 x 21", 2800 W each)

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.