

Compact Horn Loaded bass, with dual high force 18”.

The B218 bass offers extremely high-output level and strong impact in a compact enclosure.

B218 main features

- Extremely Powerful (146 dB peak) bass module of the Alpha+ system.
- Compact footprint using custom made 15 mm bent plywood of Birch and Poplar.
- Rounded shape to prevent damage in the corners and match Alpha+ system design.
- Low-frequency horn ensure maximum radiating surface and high efficiency.

The NEXO Alpha+ Hybrid Horn Loaded system is a unique approach among current sound reinforcement systems.

Unique acoustic design

The B218 is built around a 15 mm custom made bent plywood shell, using poplar veneer for the inside layers and birch of the outside. The result is a plywood with exceptionally good sound quality, a very robust enclosure and a light weight.

The two high force 18” drivers are coupled in a common cavity loaded with a symmetric bass horn computer optimized guarantee of ultra-low distortion even at very high level.

Road-ready package

Four large comfortable handles on each side plus one at the back of the unit ensure easy manipulation of the B218 in any situation, particularly when used with its dedicated wheel-board and cover.

The back plate holds two Speakon® connectors that can be used for both multiple B218 daisy-chaining or to link a L20 sub.

The strong Magnelis® front grill uses a very large hexa shaped design, mandatory not to restrict the air flow from the bass horn.

Comprehensive accessories range

While the B218 bass module can be straight out of the box be stacked with other Alpha+ modules (on top of L20 subs and below M210 main module) numerous accessories are available to fly the B218 alone, coupled to a second or even to a third Alpha+ module.

Premium DSP Processing

Just like its companion main module M210, the B218 has been developed to precisely match the output power of the NXAMP4x4mk2.

The B218 takes also advantage of the new processing algorithm running on the NXAMPmk2 amplifiers. The *Advanced Dynamic Processing* optimizes the match between the B218 maximum excursion with the NXAMPmk2 output voltage capacity. The result is a highly dynamic sound while preventing to trigger the thermal limit of the driver.

A particular care has been taken also to adjust the group delay of the Alpha+ system ensuring a tight sound over the whole spectrum while keeping the ease of use of interoperability with other NEXO products.



Typical Alpha+ system with 2x L20 subs, 1x B218 bass and 1x M210 main module, all powered by a unique NXAMP4x4mk2.

B218

Compact Horn Loaded Bass Data Sheet

NEXO



NEXO is one of the world's leading sound reinforcement loudspeaker manufacturers. Founded in 1979, the company is dedicated to crafting practical solutions with solid engineering. Each new design begins with a proprietary sophisticated computer simulation process that allows every parameter to be extensively modeled and simulated, leading to breakthrough cost and performance gains. NEXO's comprehensive product line includes loudspeakers, analogue and digital control electronics and amplification; all designed to deliver consistent sound quality and long term reliability for a broad range of applications.

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B218 WITH NEXO PROCESSING

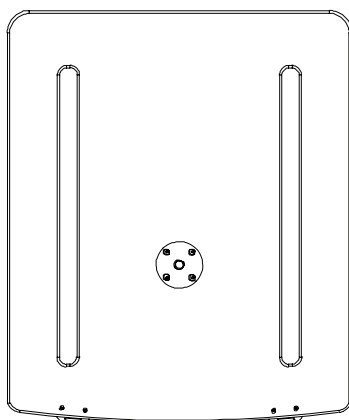
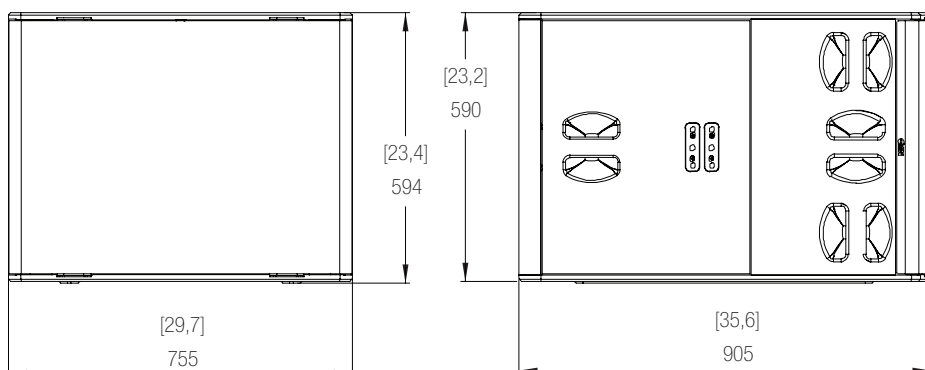
Frequency Response @-6 dB	75 Hz to 160 Hz
Peak SPL@1m	146 dB Peak
Operating Voltage	65 Vrms (180 Vpeak)
Crossover Frequency	75 Hz
Nominal Impedance	4 Ω

PRODUCT FEATURES

Components	2 x Neodymium 18" 8 Ohms
Connectors	2 x NL4, 4 poles connectors
Rigging points	2 x universal accessory fit (on each side) + 1 x M20 thread for Pole Stand on top
Material	Custom made bent plywood of baltic birch and poplar
Finish	Black or White structural paint
Front Finish	Magnelis® Steel front grille
Height x Width x Depth	594mm x 755mm x 905 mm (23.4" x 29.7" x 35.6")
Weight: Net	77 kg (170 lbs)
Operating temperature range	0°C - 40 °C (32° F - 104° F)
Storage temperature range	-20 °C - 60 °C (-4 ° F - 140° F)

SYSTEM OPERATION

Powering solution	NXAMP4x4mk2 Powered TDcontroller: Up to 2 x B218 per channel
Optional powering solution	NXAMP4x1mk2 Powered TDcontroller (Bridged): 1 x B218 per bridged channels



LIMITED WARRANTY

NEXO loudspeakers and electronics are covered against defects in workmanship or materials for a period of five (5) years from the original date of purchase. At the option of NEXO the defective item will be repaired/replaced with no charge for materials/labor. The item is to be adequately packaged and dispatched, prepaid, to a NEXO authorized distributor/service Center. Unauthorized repair shall void the warranty. The NEXO warranty does not cover cosmetics or finish and does not apply to any items which in NEXO's opinion have failed due to used abuse, accidents, modifications or any type of misuse. All images and text herein are the property of NEXO SA, and deemed accurate, although specifications are subject to change without notice.