

## Compact Horn Loaded sub-bass, with high-excursion 20" woofer.

The L20 sub offers extremely high-output level and strong impact in a compact enclosure.

### L20 main features

- Extremely Powerful (141 dB peak) sub tailored to match the P18 main speaker.
- Lightweight (59 kg / 130 lbs) design using custom made 15 mm bent plywood of Birch and Poplar.
- Rounded shape to prevent damage in the corners and optimize air flow.
- Low-frequency horn ensure maximum radiating surface and high efficiency.
- Comprehensive range of versatile, accessories for deploying the L20 in a wide variety of applications for both touring and fixed installation.
- Available in Touring or Installation versions.

To match the extremely efficient NEXO speakers, like the PLUS Serie P18 or the Alpha+ M210/B218 modules, and still offer the same kind of power over weight ratio, NEXO has developed the L20, a compact sub-woofer with extremely high output level.

### Unique acoustic design

The L20 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 band-pass, Horn loaded tuning is done through two computer optimized shaped port guarantee of ultra-low distortion even at very high level.

### Road-ready package

Four large comfortable handles on each side ensure easy manipulation of the L20 in any situation, particularly when used with its dedicated wheel-board and cover.

The back plate holds two connectors that can be used for both multiple L20 daisy-chaining or to link a P18 speaker or an Alpha+ B218 bass module (Touring version only).

The strong Magnelis® front grill uses a very large hexa shaped design, mandatory not to restrict the air flow from the two larges tuned chambers.

### A Beast of a driver

The 20" neodymium transducer with quad 4.5" voice coils offers an enormous stiffness and a very high displacement capacity.

Together with the unique cabinet design they produced a tight sub-bass sound with high impact.

### Premium DSP Processing

Just like its companion main speakers P18 or Alpha+ M210/B218 modules, the L20 has been developed to precisely match the output power of the NXAMP4x4mk2.

The L20 takes also advantage of the new processing algorithm running on the NXAMPmk2 amplifiers.

The *Advanced Dynamic Processing* optimizes the match between the L20 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.

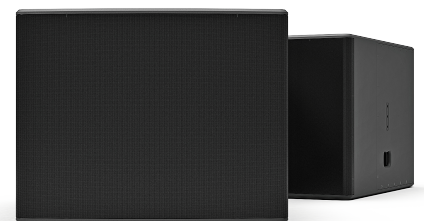
Three different crossovers frequency (60, 85 and 120 Hz) using the same phase response that all other NEXO speaker will ensure a instant phase match with the P18 without hassle, or with any other sub for example.

A dedicated minimum latency setup is also available, compatible with the minimum latency monitor setups of the P18. The result is a very efficient drum-fill system.

### Touring or Installation versions

The Touring version uses a front steel grill with large openings for best performances, speakons connectors and height large handles.

The Installation version uses a front cloth, lever wire connectors and a reduced number of handles.



L20 shown here in Installation version

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.

### L20 WITH NEXO PROCESSING

Frequency Response @-6 dB	28 Hz to 120 Hz
Peak SPL@1m	141 dB Peak (*)
Operating Voltage	80 Vrms (180 Vpeak)
Crossover Frequency	60 Hz, 85 Hz or 120 Hz
Nominal Impedance	4 Ω

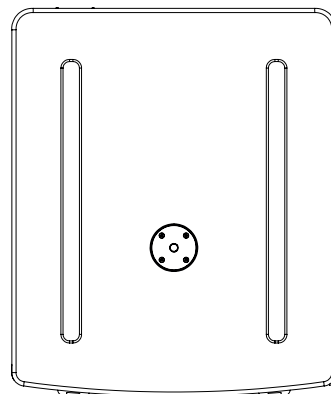
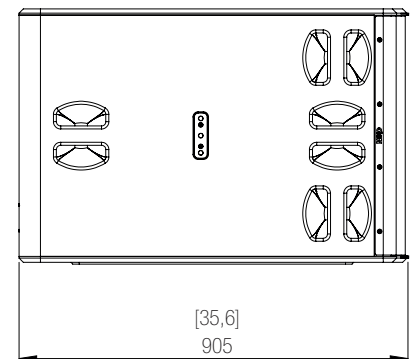
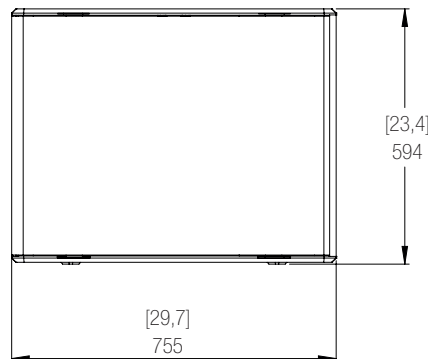
### PRODUCT FEATURES

Components	1 x Neodymium 20" 4 Ohms long excursion
Connectors (Touring version)	2 x NL4, 4 poles connectors
Connectors (Install version)	2x Lever wire connectors (accept up to 4 mm <sup>2</sup> / 12 AWG cable)
Rigging points	1 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 (Touring version)	Magnelis® front grille
Front Finish (Install version)	Magnelis® front grille covered with flame retardant and UV resistant cloth
Height x Width x Depth	594mm x 755mm x 905 mm (23.4" x 29.7" x 35.6")
Weight: Net	59 kg (130 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

Recommended powering solution	NXAMP4x4mk2 Powered TDcontroller: Up to 2 x L20 per channel
Optional powering solution	NXAMP4x1mk2 Powered TDcontroller (Bridged): 1 x L20 per channel
	NXAMP4x2mk2 Powered TDcontroller (Bridged): 1 x L20 per channel

(\*) Because of the cloth in front of the grill, audio performances can be slightly degraded on the Installation version.



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### 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.