

BASSO2121



Dual 18" Direct Radiation Multipurpose & Touring Subwoofer

FEATURES

- Compact Dual 21" Direct Radiations design
- Rugged and durable 18 mm birch plywood construction and finish
- Premium European High Efficiency custom IDEA Transducers
- 4 Ohm Passive
- Dual Neutrik NL4 connectors
- Durable Aquaforce paint, available in standard textured black or white.
- Optional RAL colors (on demand)
- 36 mm pole cups and four integrated handles



APPLICATIONS

- Main system for Regional Touring and Rental Companies
- FOH for high SPL venues and clubs



OVERVIEW

The goal of **BASSO2121** is to bring that world-class touring subwoofer performance in a package equivalent in size, weight and set-up requirements to most standard dual 18" subwoofers available in the market today, providing tour sound companies with a cost-effective solution for professional touring set-ups and top subwoofer performance for sound productions and installations of any size, complexity and budget.

BASSO2121 mounts IDEA 21" woofers, with 4" dual voice coils, 1500 W AES power and superlative mechanical and thermal specifications housed in two separated chambers within the enclosure closed by 8 radial large bass-reflex ports. This construction allows a direct radiating bass reflex (with less phase alignment issues when working with line array systems) and the back-pressure inside each woofer chamber to be discharged through the ports symmetrically from the axis of the voice coil and the woofer chassis. This keeps the cone excursion linear, reducing distortion, power compression and improving tone definition at the crossover point and long term reliability. But just as importantly, with this positioning and assembly, the ports become part of the structural reinforcement of the cabinet required to withstand the massive air pressure changes and the mechanical stress while keeping the total size relatively compact.

Like All Idea Loudspeakers **BASSO2121** is built with the necessary structural strength and finish quality required for durable touring use. The high quality 18 mm birch plywood enclosure coated with Idea custom paint solution and a 2 mm steel front grille will keep your equipment safe and brand new after hours of heavy touring.

TECHNICAL DATA

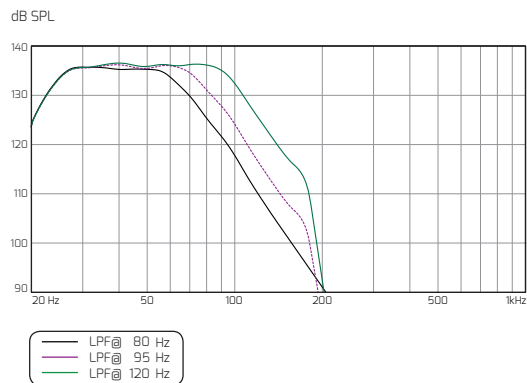
| | |
|-----------------------------|--|
| Enclosure design | Bass Reflex |
| Transducers | 2 x 21" |
| RMS Power Handling * | 3 000 W |
| Nominal Impedance | 4 Ohm |
| SPL (Continuous/Peak) | 136/142 dB SPL |
| Frequency Response (-10 dB) | 20 - 80/95/120 Hz |
| Frequency Range (-3 dB) | 24 - 60/75/100 Hz |
| Dimensions (WxHxD) | 1200 x 600 x 950 mm (47,2 x 23,6 x 37,4 inch) |
| Weight | 129,5 kg (285,4 lbs) |
| Connectors | 2 x Neutrik speakON® NL-4 in Parallel |
| +/-1 | Input |
| +/-2 | Link |
| Cabinet Construction | 18 mm Plywood |
| Grille | 2 mm perforated weatherised steel with protective foam |
| Finish | Durable IDEA proprietary Aquaforce paint coating process |
| Handles | 4 integrated handles |
| Feet/Skates | 4 skates (H/V) |
| Installation | 2 x 36 mm Pole mount sockets (H/V) |
| Accessories | 35 mm Pole (K&M-2133B) Wheels (WH-04) |

* IEC filtered pink noise with a 6dB crest factor, 2 hours.

** Frequency range values for recommended factory presets.

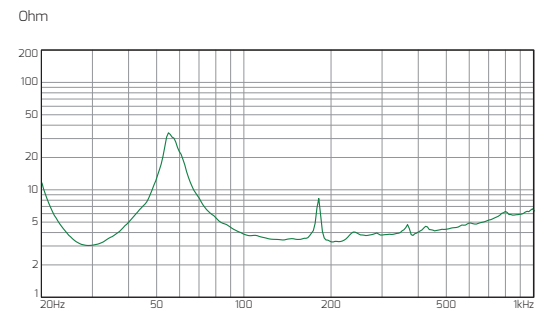
ACOUSTICAL MEASUREMENTS

FREQUENCY RESPONSE



This graph shows the frequency response for a 1-watt swept sine signal in a semi-anechoic environment (2π), measured at 3 m and scaled down at 1 m. In order to provide more precise information for acoustical analysis, a 1/6 octave smoothing has been applied.

IMPEDANCE



TECHNICAL DRAWINGS

