



KEY FEATURES

- Very High Output
- Compact size for a very good output-to-weight ratio
- Horn-loaded configuration
- High-strength, water repellent cone

APPLICATIONS

The SW121HLP subwoofer is designed to deliver high-quality low frequency reproduction where very high output is a key requirement, together with well defined and deep basses and fast transient response.

TECHNICAL SPECIFICATIONS

SYSTEM

System's Acoustic Principle	Horn-Loaded Subwoofer
Frequency Response (± 3 dB)	31 Hz – 80 Hz (Processed)
Frequency Range (± 10 dB)	28 Hz – 321 Hz (Unprocessed)
Nominal Impedance	8 Ω
Minimum Impedance	5.6 Ω @ 43 Hz
Sensitivity (1.41V @ 1m, 2Pi)	104dB
Maximum Peak SPL @ 1m	141 dB

TRANSDUCERS

Type	Single Neodymium 21" (530mm), 5.3" (135mm) VC
Cone	Carbon fiber reinforced treated cellulose cone
Voice Coil Type	Split winding four layers ISV copper coil
Suspension	Triple Silicon Spider

CONNECTIONS

Connector Type	Neutrik® Speakon® NL4 x 2
Input wiring	Pin 1 +/- = LF; Pin 2 +/- = NC

POWER HANDLING

Continuous AES Pink Noise Power	1800W
Program Power	3600W
Peak Power	8000W
Power Compression	
@ -10dB (180W + 180W)	0.7dB
@ -3dB (900W + 900W)	1.5dB
@ 0dB (1800W + 1800W)	2.2dB

ENCLOSURE & CONSTRUCTION

Physical Dimensions	
Width	589 mm (23.18") x 801 mm (31.53") x 1022 mm (40.23")
Enclosure Material	15mm, reinforced phenolic birch
Paint	High resistance, water based paint
Wheels	4 heavy-load 100 mm ϕ
Net Weight	72 Kg (158.70 lbs.) - without wheels

TRANSDUCERS

The SW121HLP is equipped with a 21" (533mm) transducer capable of long excursion (up to 70mm peak-to-peak) and controlled by a Double Silicon Spider. The robust copper 135mm (5.3") voice coil is wound in four different layers both outside and inside the coil support, then improving the long term thermal capacity of the loudspeaker. Cones are made in cellulose with a special carbon fiber treatment to increase resistance and durability.

