

Stasys X V2

Key features:

- 3200 W AES power handling
- Negligible power compression
- Improved transient and phase response
- Tough 'TourCoat' polyurea finish
- Truck pack-friendly dimensions
- Universal location receptors

Applications:

- Large scale touring



The original Stasys X set new standards in the performance possible from a double 18" low frequency enclosure. Used on tours, in live venues and in world-class night venues all around the world, the Stasys X V2 now benefits from newer technologies to advance and refine the design further.

A total rearrangement of the internal resonant chambers has improved the cooling to the extent that no external heatsinks are required, which has led to a significant decrease in power compression. The system's transient response, phase response, and overall timing capabilities have also been vastly improved by the new internal chamber layout. This has led to a more uniform response in relation to distance, and greater behavioural predictability when arrayed.

Specifications

Frequency response	30 Hz - 180 Hz ± 3 dB
Efficiency ¹	103.8 dB 1W/1m
Crossover points	38 Hz Hi Pass 24 dB/oct, 100 Hz - 145 Hz Lo Pass 24 dB/oct
Nominal impedance	4 Ω
Power handling ²	3200 W AES
Maximum output ³	138 dB cont, 144 dB peak
Driver configuration	2 x 18" LF
Dispersion	Array dependent
Connectors	2 x 4-pole speakON™ NL4
Weight	130 kg (286.6 lbs)
Enclosure	18 mm birch plywood
Finish	Textured 'TourCoat' polyurea
Grille	Perforated steel with foam filter

¹ Measured in half space ² AES2 - 1984 compliant ³ Calculated

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Architectural specifications

The loudspeaker shall be an active bandpass sub bass system consisting of two high power 18" (455 mm), long excursion, low frequency (LF) transducers mounted in a rectangular enclosure.

The low frequency transducers shall be constructed on a cast aluminium frame, with a treated paper cone, dual 101.6 (4") voice coil, wound with copper wires on a high quality voice coil former and a neodymium magnet for high power handling and long-term reliability.

Performance specifications for a typical production unit shall be as follows: the usable bandwidth shall be 30 Hz to 180 Hz (± 3 dB) and have a maximum SPL of 144 dB peak (138 dB continuous) measured at 1 m using IEC268-5 pink noise. Power handling shall be 3200 W AES at a rated impedance of 4 Ω with pressure sensitivity of 103.8

dB measured at 1W/1m. The system shall be powered by its own dedicated power amplification module with DSP management. The wiring connection shall be via two Neutrik speakON™ NL4 (one for input and one for loop-out to another speaker), to allow for pre-wiring of the connector before installation.

The enclosure shall be constructed from a 18 mm multi-laminate birch plywood, finished in a textured polyurea and shall contain fixture points for a powder coated, pressed steel grille to protect the horn path from object ingress. The cabinet shall have eight handles, four per side for efficient manual handling. External dimensions of (H) 562 mm x (W) 1218 mm x (D) 896 mm (22.1" x 48" x 35.3"). Weight shall be 130 kg (286.6 lbs).

The loudspeaker shall be the Void Acoustics Stasys X V2.

