

S O U N D P R O J E C T S

SPX-90



The sound reinforcement system shall hold a 1.4" HF driver on a horn with a horizontal dispersion of 90 degrees and a vertical dispersion of 60 degrees and one low-weight neodymium 12-inch driver, each powered by a 500W amplifier. The maximum peak output of the total system shall be 134dB at 1m. The system shall have a 60Hz-20kHz frequency range. The systems shall have a 90 degrees horizontal and 60 degrees vertical coverage angle.

The cabinet shall be constructed of cross grain laminated multiplex, covered by a protective 2 component polyurethane coating. The total system weight including amplifiers and audio control shall be 32 kg only. It shall have an IEC XLR-3 audio in and output connector and a powercon in and thru mains connector.

The system shall be a self-powered design holding its own protective audio logic control electronics and amplifiers within the cabinet.

Acoustical specifications:

- Drivers: 1 x 1.4", 1 x 12" High Power low weight Neodymium design.
- Freq. response: 60Hz-20kHz
- Max. peak SPL @1m: 134dB crest factor 2 (6 dB)
- Coverage angle: 90H x 60V (rotatable)

Electrical specifications:

- Amplifier(s): MA1000™ technology
- Output: 1000W sine (DALC limited)
- Crossover: 1 kHz, 4th order
- Filter subsonic: 60Hz, 2nd order
- Input impedance: 20 kOhms balanced, 10 kOhms unbalanced
- Output impedance: hard-wired to input
- *Power consumption.*
- Mains voltage: 230V (other on request)
- Mains frequency: 50/60 Hz
- Idle: < 50VA
- Full load: 300 VA. DALC limited Ref. to continuous pink noise signal (6 dB crest factor within the specified range)

- *Protection*
- D.A.L.C. (Dual AudioLogic Control)
- Protection threshold: +4dBU
- Transient (soft power-up)
- DC-voltage short-circuit
- LED indication: power-on/ signal/protect

Additional descriptive data:

- Cabinet construction: cross grain laminated multiplex
- Finish: Nano-armor™ coating
- Weight: 32 kg
- Size WxHxD (mm): 395x600x405 (trapezoid)
- Rigging points: Integrated SPX flypoints, recessed polemount.
- Audio connectors: IEC XLR-3 in/out
- Main connectors: powercon in, powercon out
- Max. operating temp.: -10 to 40 C ambient

Specifications subject to change without notice

