

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

## SP18



The sound reinforcement system shall hold one low-weight neodymium 18-inch driver, powered by a 1000W amplifier. The maximum peak output of the total system shall be 132dB at 1m. The system shall reproduce the 30-60Hz frequency range. The systems coverage angle shall be omnidirectional.

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 78 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 18" high power, low weight, neodymium design.
- Freq. response: 30-60/250Hz (SPL mode)
- Max. peak SPL @1m: 132dB c.f. 2 (6 dB)
- Coverage angle: omni-directional

**Electrical specifications:**

- Amplifier(s): MA1000™ technology
- Output: 1000W sine (DALC limited)
- Low pass 4th order: 60/250Hz
- Filter subsonic: 30Hz, 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: 750 VA. DALC limited Ref. to continuous pink noise signal (6 dB crest factor within the specified range)

- *Protection*
- A.L.C. (Single AudioLogic Control)
- Protection threshold: +4dBu
- Transient (soft power-up)
- DC-voltage short-circuit
- LED indication: power-on/ signal/protect/switch (60Hz/Fr)

**Additional descriptive data:**

- Cabinet construction: cross grain laminated multiplex
- Finish: Nano-armor™ coating
- Weight: 78 kg
- Size WxHxD (mm): 600x600x800 (928)
- Rigging points: Easy-Rig™
- 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*

