

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

## SP2-18



The sound reinforcement system shall hold two low-weight neodymium 18-inch drivers, powered by a 2400W class-D amplifier. The maximum peak output of the total system shall be 137dB at 1m. The system shall be switchable between full range or the 30-60Hz frequency range. The systems coverage angle shall be omni-directional.

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 107 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: 2 x 18" high power, low weight, neodymium design
- Freq. response: 30-60Hz/FR (switch)
- Max. peak SPL @1m: 137dB c.f. 2 (6 dB)
- Coverage angle: omni-directional

## Electrical specifications:

- Amplifier(s): CCD™ technology
- Output: 2400W sine (DALC limited)
- Low pass 4th order: 60 Hz
- Filter subsonic: 25Hz, 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: 1200 VA. DALC limited Ref. to continuous pink noise signal (6 dB c.f. 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/switch (60Hz/Fr)

## Additional descriptive data:

- Cabinet construction: cross grain laminated multiplex
- Finish: Nano-armor™ coating
- Weight: 107 kg
- Size WxHxD (mm): 600x1200x860 (990)
- Rigging points: optional flying sideframes
- 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*

