

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

SP18 E



The sound reinforcement system shall hold one low-weight neodymium 18-inch driver, powered by a 2400W class-D amplifier. The maximum peak output of the total system shall be 132dB at 1m. The system shall be switchable between full range or the 25-60Hz 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 58 kg only. It shall have an IEC XLR-3 audio in and output connector and a Powercon in and thru mains connector. An optional protective front cover/dolly shall be available.

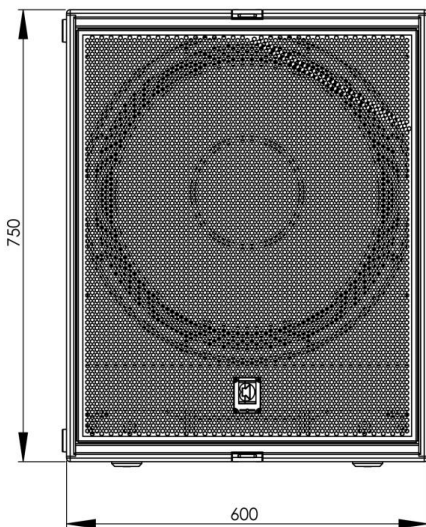
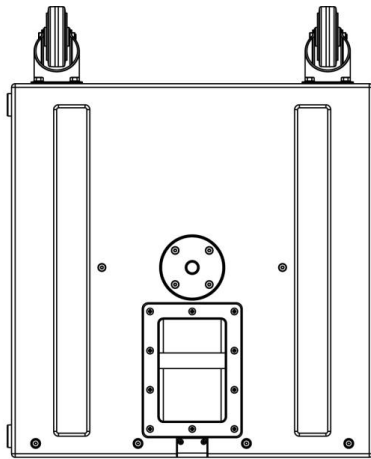
The system shall be a self-powered design holding its own protective audio logic control electronics and amplifiers within the cabinet.

Acoustical specifications:

- Drivers: 1 x 18" high power, low weight, neodymium design
- Freq. response: 25-60Hz/FR (switch)
- Max. peak SPL @1m: 132dB 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: < 3000 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 with multiple bracings
- Finish: Nano-armor™ coating
- Weight: 58 kg
- Size WxHxD (mm): 600x750x620 (748)
- Rigging points: optional flying side frames
- 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

