

SP15E

Compact self-powered sub-bass system

The SP15E is a compact self-powered high SPL subbass system. The cabinet is constructed of a rigid, multilayer birch ply reinforced with multiple bracing and finished with a sturdy coating. An impressive featherweight of 50 kg solid sub due to an inventive cabinet construction loading a light, 4 inch coil, neodymium driver and ultralight 2500 Watt CCD amp.

Cabinet dimensions are optimised for international trucksize. Eight barhandles placed in an ergonomical grippoint layout, Nano Armor polyurethane coating and additional corner protection with multiple slide bars facilitate easy transport. Locked, stable stacking of several cabinets is easy because of the protective slidebars. Polemounting can be done both standing or flat depending on available floorspace. The SP15E will endow any F.O.H. system with a rock solid foundation in the lowest audible octaves.

A recessed switch facilitates Sound Projects' standard* or free external lowpass selection. The SALC (Single Audio-logic Level Control) speaker management maintains the tonal balance of the sound as perceived by the human ear and protects the drivers from over excursion or overheating. Maximum sub efficiency for the desired cabinet dimensions is obtained by creativity as well as state-of-the-art computer aided modelling techniques and acoustic calculation programs.

*60Hz @ 24dB Butterworth



Acoustical specifications

| | |
|--------------------------------|---|
| Drivers | 1 x 15" High power, low distortion, long excursion design, double impregnated spider and ventilated coil airgap for reduced power compression |
| Freq. response | 30-60Hz/-90Hz Switchable: Sub Mode/SPX Mode |
| Max. peak SPL @1m ¹ | 136dB |
| Coverage angle | omni-directional |

Electrical specifications

| | |
|--------------------|--|
| Amplifier(s) | CCD™ technology |
| Output | 2500W* sine (SALC limited) |
| Low pass 4th order | 60/-90Hz (switchable) ² |
| Filter subsonic | 30Hz, 2nd order |
| Input impedance | 20 kOhms balanced, 10 kOhms unbalanced |
| Output impedance | Hard-wired to input |
| Main voltage | 230V (other on request) |
| Mains frequency | 50 / 60 Hz |
| Idle | < 50VA |
| Full load | < 1200 VA. DALC limited Ref. to continuous pink noise signal (12 dB crest factor within the specified range) |
| Protection | S.A.L.C. (Single Audio Logic Control) |

¹ Peak level at 1M under half space conditions using pink noise with crest factor 4 (12dB)

² Fullrange option on request

* Specified at 4 Ω

Additional descriptive data

| | |
|----------------------|--|
| Cabinet construction | Cross grain laminated multiplex with multiple bracings |
| Finish | Nano-armor™ coating |
| Weight | 47KG (wheels not included) Optional wheel board available |
| Size WxHxD (mm) | 450 x 750 x 620 (748) |
| Rigging points | Optional uni rigging (3x M20 bolt) |
| Audio connectors | IEC XLR-3 in/out |
| Main connectors | Powercon in and out |
| Max. operating temp. | -10C to 40C ambient |

