

# 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 <sup>1</sup>	136dB
Coverage angle	omni-directional

### Electrical specifications

Amplifier(s)	CCD™ technology
Output	2500W* sine (SALC limited)
Low pass 4th order	60/-90Hz (switchable) <sup>2</sup>
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)

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

<sup>2</sup> 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

