



SP218

Powerful sub-low system

The SP218 is an elegant, Class D-powered sub-low system loaded with two impressive neodymium magnet loudspeaker assemblies. The cabinet is constructed of rigid, 13 layer plywood with multiple internal bracing. Particular attention to weight and handling results in several user benefits. Including the 2500 Watt ultralight CCD amps the SP218 is an impressive featherweight of just above 100kg with no less than 12 ergonomic bar handles to carry it around.

Cabinet dimensions are optimised for international truck size. Ergonomic grip point layout, 8 castor positions, additional corner protection and multiple slide bars all facilitate easy transport. Durability is addressed by a sturdy nano-armor™ coating.

The SP218 will endow any kind of F.O.H. or distributed sound system with a rock solid foundation in the lowest audible octaves. The SALC (Single Audio-logic Level Control) speaker management is a proprietary RMS based gain riding circuit which maintains the tonal balance of the sound as perceived by the human ear. Additionally it protects the SP218 drivers from over excursion or overheating.

To match the desired cabinet dimensions and to obtain maximum efficiency, state-of-the-art computer aided modelling techniques and acoustic calculation programs are used to precisely indicate the manifold reinforcing ribs and port tuning.

Acoustical specifications

| | |
|--------------------------------|---|
| Drivers | 2 x 18" Long stroke, high power, low weight neodymium design. |
| Freq. response | 30-60Hz/-90Hz (switchable: Sub Mode/SPX Mode) |
| Max. peak SPL @1m ¹ | 144dB |
| Coverage angle | Omni-directional |

Electrical specifications

| | |
|--------------------|--|
| Amplifier(s) | CCD™ technology |
| Output | 2x 2500W* sine (SALC limited) |
| Low pass 4th order | 60Hz / -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 | < 3000 VA. DALC limited Ref. to continuous pink noise signal (12 dB c.f. 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 |
| Finish | Nano-armor™ coating |
| Weight | 96,5Kg (wheels not included) |
| Size WxHxD (mm) | 600 x 1200 x 860 (990) |
| Rigging points | None |
| Audio connectors | IEC XLR-3 in/out |
| Main connectors | Powercon in, Powercon out |
| Max. operating temp. | -10 to 40 C ambient |

