

SV-12

SV-12 loudspeaker system is suitable for near field main PA reinforcement with or without subwoofer, portable system or permanent installation, wall, stand, or ceiling mountings, monitoring for vocals and instruments, side fill in small stages, delay fill or under balcony complementary diffusion.

KEY FEATURES

- Hi-fidelity sound without any EQ
- Real 300W RMS power handling (EIA 8 hours Standard)
- Equipped with famous FANE Drivers
- Elliptic 80°x60° low resonance glass fibre horn
- Multi purpose cabinet design for FOH or monitor use
- Rock solid void-free birch plywood cabinet
- Touring grade HardTex coating with sanded black matt finish
- Complete line of flying hardware accessories
- DSP preset support on associated electronics

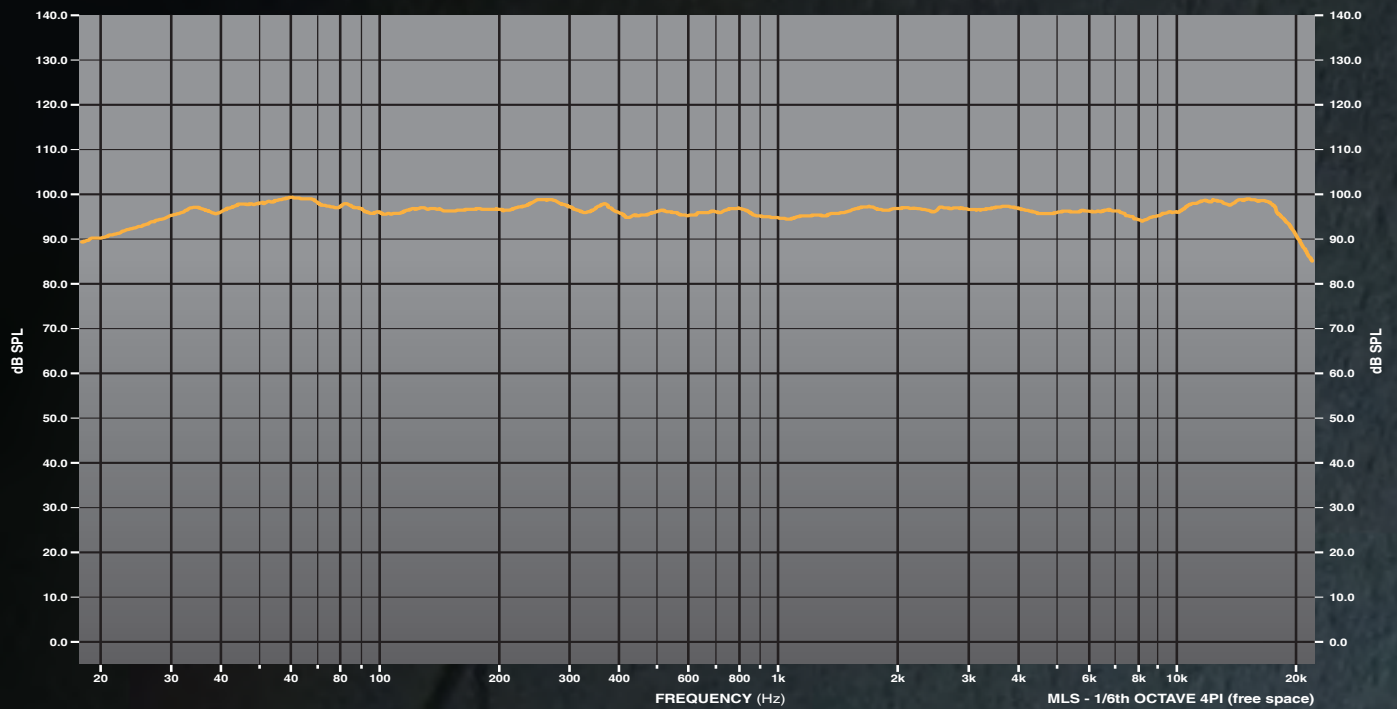
ACOUSTIC SPECIFICATIONS

Power Handling	300W RMS (EIA 426A standard) 600W programme / 1200W peak
Nominal Impedance	8 Ω (7.5 Ω minimum at 58Hz)
Average Sensitivity	97dB/2.83V/1m (average 200~16,000Hz wideband)
Calculated Maximum SPL / 1m	122dB continuous / 125dB programme / 128dB peak
Frequency Response (-6dB)	50~19000Hz
Manufacturing Consistency	+/- 3dB from 200 to 10,000 Hz
Nominal Directivity (-6dB)	80x60 degrees above 1500Hz
Recommended Amplifier	Up to 600W at 8Ω (no clip) in specified frequency response
Recommended Low Cut	Full range: 45Hz 18dB/oct Butterworth Top: 60 to 140Hz 24dB/oct Linkwitz-Riley
Low Frequency Driver	FANE transducer 8Ω impedance 12" (300mm) diameter 2.5" high temperature voice coil on glass fibre former
High Frequency Driver	1" (25mm) exit, 1.7" (44mm) voice coil Heat treated Titanium diaphragm
Crossover	Passive mode only 2.2kHz Right Phase design 400V polypropylene capacitors Air core inductors on HF Aluminium housed resistors

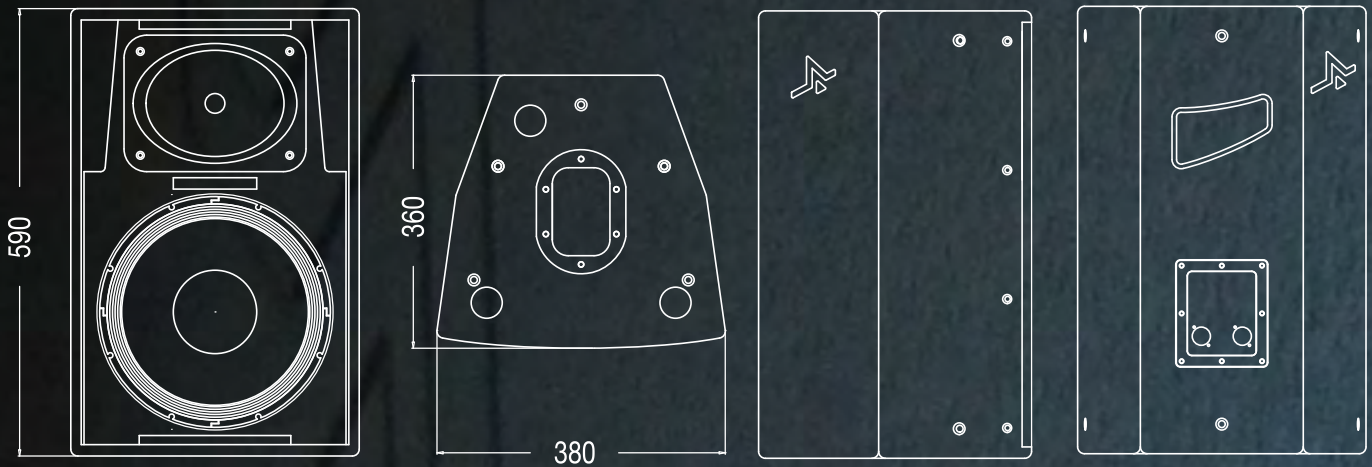
ADDITIONAL SPECIFICATIONS

Flying Hardware	12 M8 points with internal metal brackets
Pole Mount	Multi position 35mm pot
Connectors	2pcs NEUTRIK Speakon NL4MP 1+/-: speaker Input 2+/-: Link
Cabinet	CNC made with tongue and groove assembly 15 and 18mm Russian birch plywood exterior grade
Finish	Proprietary HardTex sanded coating, black matt
Cabinet Size (HxWxD)	590x380x360mm
Packing Carton Size (HxWxD)	654x444x424mm
Weight	20kg net 23kg gross
Optional Accessories	Flight case with 100mm wheels Abrasive resistant cover bag M8 Eye bolt kit Wall mounting bracket U Mounting bracket Flying adapter

FREQUENCY RESPONSE DATA



ARCHITECTURAL SPECIFICATIONS



The loudspeaker system shall be a passive, 2 way type consisting of one 12" (300mm) direct radiating reflex loaded low frequency transducer and one 1" (25mm) exit / 1.7" (44mm) voice coil HF compression driver that is mounted on a constant directivity elliptic glass fibre horn that provides a nominal coverage angle of 80° (horizontal) by 60° (vertical). The frequency response shall be 56 to 18500Hz in half space with less than ± 3 dB variation. Low and high frequency sections shall be integrated by an internal 2.2kHz passive crossover network with Right Phase technology and 18dB/oct slopes. Power handling shall be 300W RMS, 1200W peak by EIA 426A standard (8 hours pink noise) average wideband (200-16000Hz). Efficiency on axis shall be 97dB/1W/1m and maximum SPL shall be 122dB continuous / 128dB peak. Rated impedance shall be 8 Ω s nominal.

The multi-angled enclosure shall be of a void free multi-laminate Russian birch ply construction with sealed internal bracing, multi position 35mm pole mount and threaded M8 inserts for wall and ceiling mounting. The screws shall be stainless steel 316L with 200 hours coating per ASTM-B117. The finish shall be a black matt multi layer UltraTex water based painting with hardness higher than 75Hv. The front of the enclosure shall be protected by a black matt dual layer coated (powder + acrylic) 1.5 mm thick steel acoustically transparent grille. Dimensions shall be (WxHxD) 380x590x360mm and Weight 20kg. The loudspeaker system shall be the FANE SV-12