

# SV-15

SV-15 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 600W 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

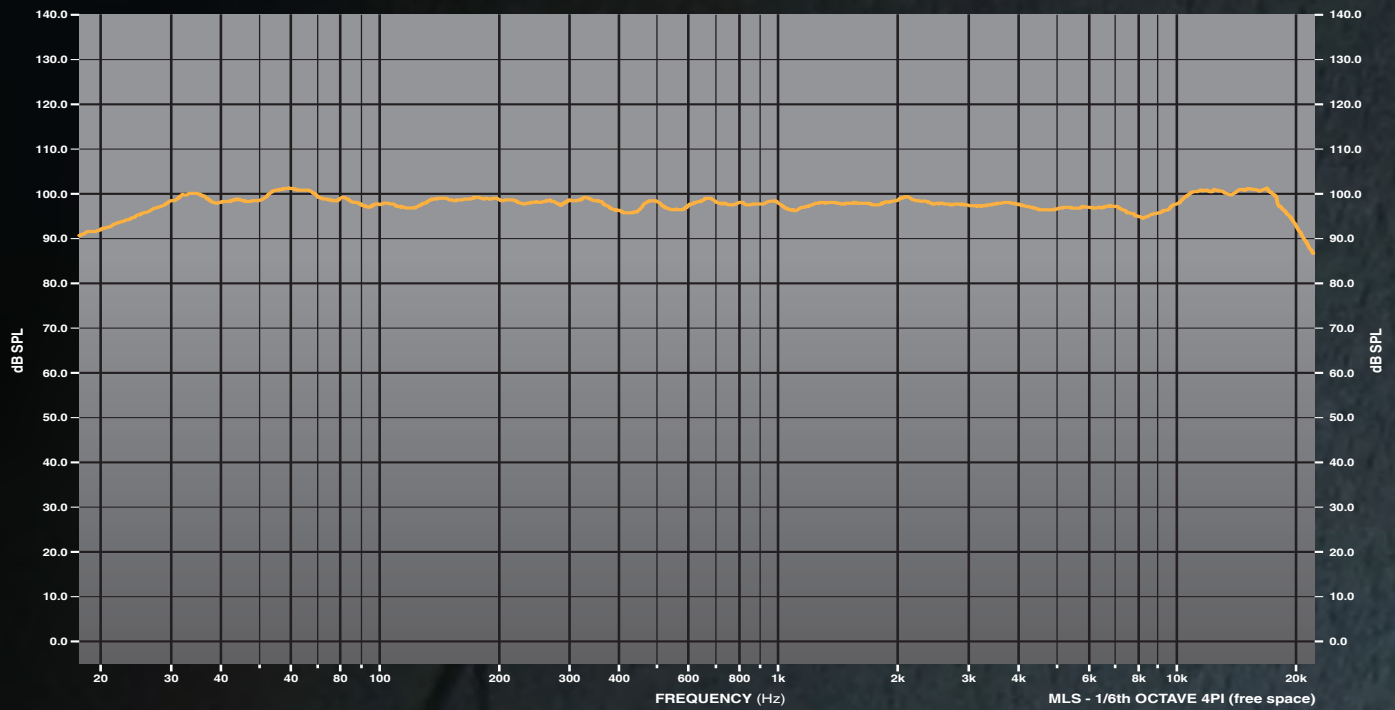
## ACOUSTIC SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| <b>Power Handling</b>              | 600W RMS (EIA 426A standard)<br>1200W programme / 1800W peak  |
| <b>Nominal Impedance</b>           | 8 $\Omega$ (7.5 $\Omega$ minimum at 51Hz)   |
| <b>Average Sensitivity</b>         | 98dB/2.83V/1m (average 200~16,000Hz wideband)   |
| <b>Calculated Maximum SPL / 1m</b> | 126dB continuous / 129dB programme / 132dB peak   |
| <b>Frequency Response (-6dB)</b>   | 48~19000Hz  |
| <b>Manufacturing Consistency</b>   | +/- 3dB from 200 to 10,000 Hz   |
| <b>Nominal Directivity (-6dB)</b>  | 80x60 degrees above 1500Hz  |
| <b>Recommended Amplifier</b>       | Up to 1200W at 8 $\Omega$ (no clip) in specified frequency response   |
| <b>Recommended Low Cut</b>         | Full range: 40Hz 18dB/oct Butterworth<br>Top: 60 to 140Hz 24dB/oct Linkwitz-Riley   |
| <b>Low Frequency Driver</b>        | FANE transducer, 8 $\Omega$ impedance<br>15" (380mm) diameter<br>3" high temperature voice coil on glass fibre former                   |
| <b>High Frequency Driver</b>       | 1" (25mm) exit, 1.7" (44mm) voice coil<br>Heat treated Titanium diaphragm   |
| <b>Crossover</b>                   | Passive mode only<br>2kHz Right Phase design<br>400V polypropylene capacitors<br>Air core inductors on HF<br>Aluminium housed resistors |

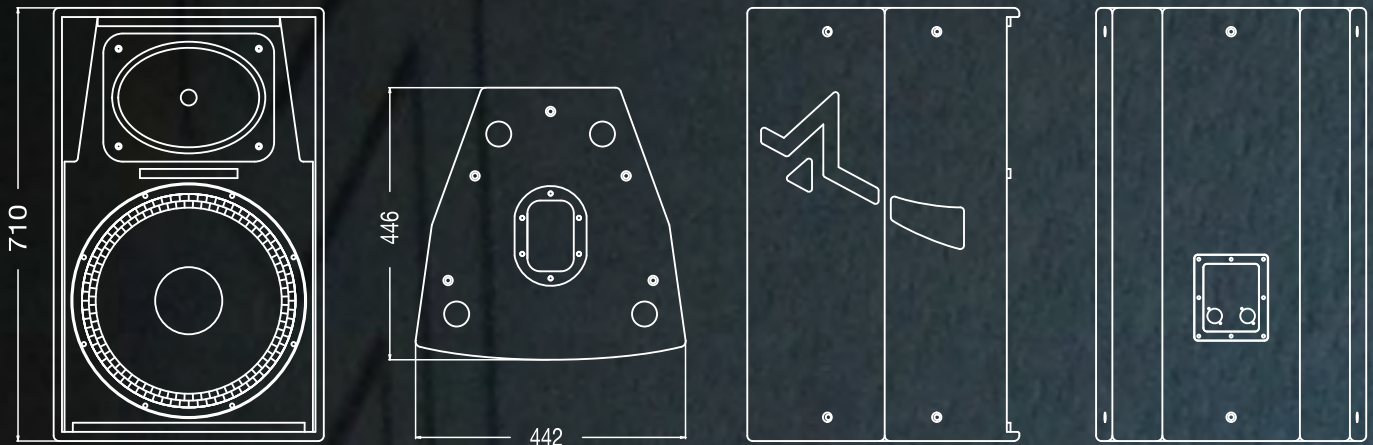
## ADDITIONAL SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| <b>Flying Hardware</b>             | 12 M8 points with internal metal brackets   |
| <b>Pole Mount</b>                  | Multi position 35mm pot   |
| <b>Connectors</b>                  | 2pcs NEUTRIK Speakon NL4MP<br>1+/-: speaker Input<br>2+/-: Link   |
| <b>Cabinet</b>                     | CNC made with tongue and groove assembly 18mm Russian birch plywood exterior grade  |
| <b>Finish</b>                      | Proprietary HardTex sanded coating, black matt  |
| <b>Cabinet Size (HxWxD)</b>        | 708x442x446mm   |
| <b>Packing Carton Size (HxWxD)</b> | 772x506x510mm   |
| <b>Weight</b>                      | 28kg net<br>31kg gross  |
| <b>Optional Accessories</b>        | Flight case with 100mm wheels<br>Abrasive resistant cover bag<br>M8 Eye bolt kit<br>Wall mounting bracket<br>U Mounting bracket<br>Flying adapter |

## FREQUENCY RESPONSE DATA



## ARCHITECTURAL SPECIFICATIONS



The loudspeaker system shall be a passive, 2 way type consisting of one 15" (380mm) 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 54 to 18500Hz in half space with less than  $\pm 3$ dB variation. Low and high frequency sections shall be integrated by an internal 2kHz passive crossover network with Right Phase technology and 18dB/oct slopes. Power handling shall be 600W RMS, 1800W peak by EIA 426A standard (8 hours pink noise) average wideband (200-16000Hz). Efficiency on axis shall be 98dB/1W/1m and maximum SPL shall be 122dB continuous / 128dB peak. Rated impedance shall be 8 $\Omega$ 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 HardTex 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) 442x708x446mm and Weight 28kg. The loudspeaker system shall be the FANE SV-15