

# ST-12HP

## ST SERIES



### FEATURES

- + 500 W (AES) power handling.
- + 126 dB continuous SPL output.
- + Equipped with premium Fane cast frame neodymium driver.
- + Elliptic 60° x 60°, low resonance, rotatable glass fibre horn.
- + Void-free birch plywood cabinet, tongue and groove assembly.
- + Touring grade HardTex coating with black matt finish.
- + 3-point flying track system.
- + 6x M8 mounting points with internal metal brackets.
- + 35 mm pole mount adapter.

### APPLICATIONS

- + Portable / install sound reinforcement.
- + Stage monitoring.
- + Tour sound.
- + Main PA / side fill / delay fill / diffusion.
- + Bars and restaurants.
- + Clubs, live music venues and theatres.



# ST-12HP

## 12-INCH, HIGH PUNCH, TWO-WAY, PASSIVE TOURING LOUDSPEAKER SYSTEM

The ST-12HP is physically identical to the ST-12, however with the addition of a 3-point flying track system. Tonality and high frequency performance have also been enhanced with the use of a 1.4" compression driver with titanium diaphragm on a 60° x 60° horn which combined delivers a high impact punchy sound character. Compact, powerful and versatile, the ST-12HP is the perfect solution for a multitude of sound reinforcement applications. With a wide frequency response the ST-12HP is suitable for club/ live music or also use as a wedge monitor thanks to the angled rear design of the cabinet. Low frequency coverage is provided by a powerful and lightweight Fane neodymium 12" (3" voice coil) LF driver. Extensive development has also gone into the internal passive crossover network to ensure the ST-12HP is capable of producing extremely clear and defined, high resolution audio at high output levels removing the need for heavy DSP correction.

The cabinet is constructed from 15 mm and 24 mm, void-free birch plywood with tongue and groove assembly. A wrap around black powder coated steel circular pattern grille fitted with an acoustic mesh backing offers protection to the internal components and the unit is finished in a touring grade HardTex matt black paint. Two flush side handles, rubber feet, 35 mm 'top-hat' pole mount adapter and 6 M8 mount points with internal metal brackets are provided for versatility when in use. ST Series subwoofers can be used to extend system bass response where required.



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| <b>Power Handling Program Peak</b>               | 500 W (AES)<br>1000 W<br>2000 W  |
| <b>Nominal Impedance</b>                         | 8 Ω  |
| <b>Average Sensitivity</b>                       | 100 dB @ 1W/1m   |
| <b>Calculated Maximum SPL / 1m Program Peak</b>  | 126 dB continuous<br>129 dB<br>132 dB  |
| <b>Frequency Response (-6dB)</b>                 | 55 - 17000 Hz  |
| <b>Manufacturing Consistency</b>                 | ± 3 dB from 200 to 10,000 Hz   |
| <b>Nominal Directivity (-6dB)</b>                | 60° x 60°  |
| <b>Recommended Amplifier</b>                     | ≤ 800 W @ 8Ω   |
| <b>Recommended Low Cut Full Range: with Sub:</b> | 43 Hz, 24 dB/ oct Butterworth<br>60 to 120 Hz, 24 dB/ oct Linkwitz-Riley   |
| <b>Crossover</b>                                 | Passive @ 1.4 kHz  |
| <b>Low Frequency Driver</b>                      | Fane transducer, 8Ω impedance, 12" (300 mm) diameter cast frame neodymium magnet, 3" high temperature voice coil on glass fibre former |
| <b>High Frequency Driver</b>                     | Fane CD.314 compression driver, 1.4" (35.5 mm) exit, 3.2" (81.2 mm) voice coil, titanium diaphragm                                     |

|                                     |   |
|-------------------------------------|---|
| <b>Flying Hardware</b>              | 6x M8 points with internal metal brackets   |
| <b>Pole Mount</b>                   | 35 mm Aluminium pot   |
| <b>Connectors</b>                   | 2 Neutrik Speakon NL4   |
| <b>Cabinet</b>                      | CNC made with tongue and groove assembly, 15 mm and 24 mm, exterior grade, void-free, birch plywood |
| <b>Finish</b>                       | Proprietary HardTex, sand based paint with matt black topcoat finish                                |
| <b>Cabinet Size (HxWxD)</b>         | 635 x 380 x 350 mm  |
| <b>Shipping Carton Size (HxWxD)</b> | 685 x 430 x 400 mm  |
| <b>Weight</b>                       | 23 kg net<br>25 kg gross  |

