

# TFA-600H modular 3-way line array

## Features

- 3 way line array element for touring applications
- Combined Polyhorn and Dendritic waveguide with 75° H x 16° V dispersion
- 780 Watts continuous, 3,120 Watts peak power
- Custom 10" low frequency drivers
- High efficiency 6.5" mid range driver with low mass coil for improved transient response
- 1" neodymium high frequency compression driver
- Switchable bi-amp/tri-amp operation for flexibility of use
- Internal steel rigging for flying up to 12 elements in variable curvature array
- 15 mm (5/8") birch plywood enclosure with hard wearing semi matt black paint finish
- Rugged powder coated perforated steel mesh grille
- Neutrik speakON\* NL8 connectors for reliable long life operation
- 3-Year Warranty Program\*\*
- Designed and engineered in England



The TURBOSOUND FLEX ARRAY TFA-600H is a compact trapezoidal three way enclosure combining a Dendritic HF device and a patented midrange Polyhorn in a single physically aligned waveguide with equal path length, ensuring a phase-coherent wavefront at the horn mouth. The TFA-600H is supplied with a 75° horizontal by 16° vertical dispersion pattern, which maximises direct sound field while reducing reverberant energy.

The TFA-600H contains a 1" neodymium high frequency compression driver on a Dendritic device, a high efficiency 6.5" high-mid frequency driver with low mass coil for improved transient response on a Polyhorn device, and two custom 10" low frequency drivers. It is a switchable triamp/bi-amp enclosure, and includes a passive crossover network between the MF and HF drive units for bi-amped operation which can be bypassed for fully tri-amped operation by moving an internal jumper located inside the connector panel, the status of which is visible externally. Neodymium drive units are used throughout in order to achieve the compact cabinet's exceptionally low net weight, making it convenient to transport, handle and rig. In addition the drive units are symmetrically arranged within the enclosure, which contributes to the smooth and consistent horizontal and vertical coverage.

The enclosure has both vertical and horizontal flying systems integrated into the cabinet in order to facilitate simple and intuitive rigging with the minimum of external parts. The horizontal, or 'A' mode, system is used to create flown or ground-stacked line array configurations. The 'B' mode vertical rigging system is used for single box and virtual point source applications. This flexibility of use is made possible by the rotatable mid/high section, making it possible to address the majority of sound reinforcement applications with only one type of loudspeaker enclosure.

A flight-cased trucking system allows three boxes to be pre-rigged and transported together. The 15 mm (5/8") birch plywood cabinet with rugged powder coated perforated steel mesh grille is equipped with eight recessed handles on the sides, rear, top and bottom, and is finished in hard wearing semi matt black paint. A recessed panel at the rear of the cabinet carries two parallel-linked Neutrik speakON\* NL8 connectors for input and link through connections.

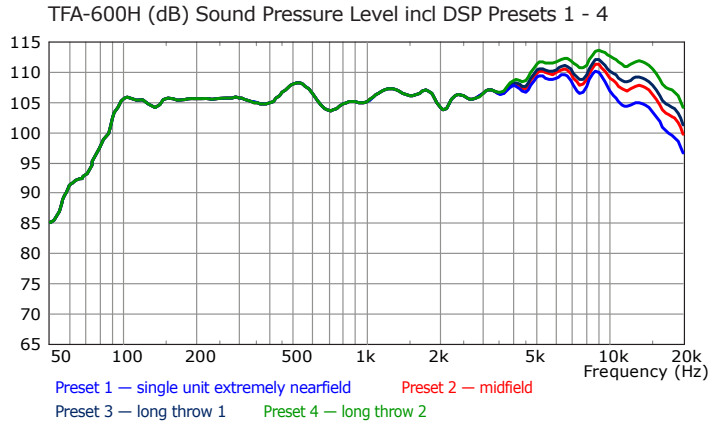
## TFA series

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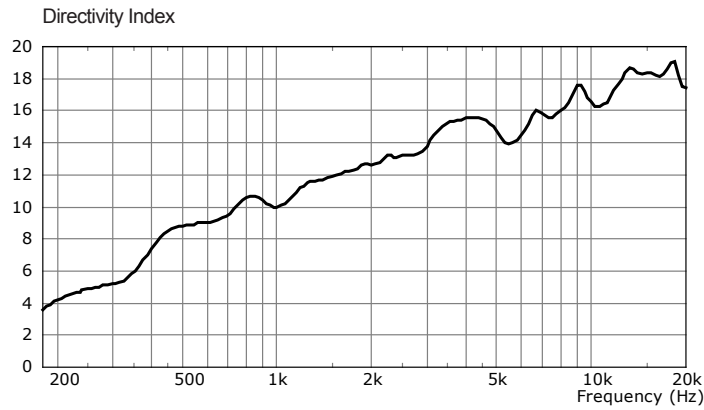
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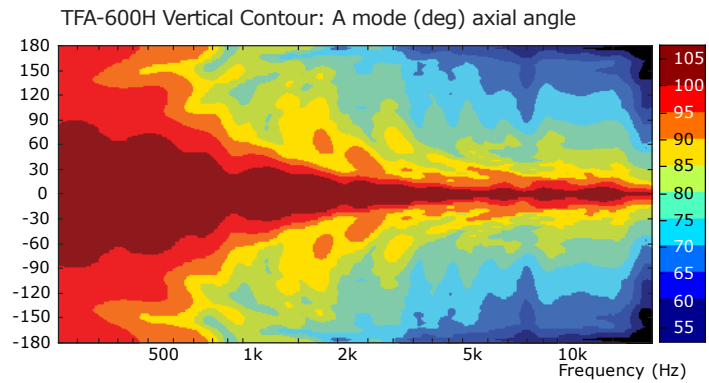
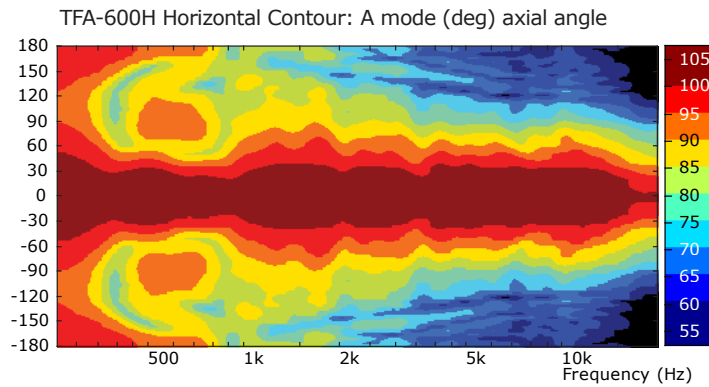
## Frequency Response



## Directivity



## Contour Maps



livesound >

portablesound

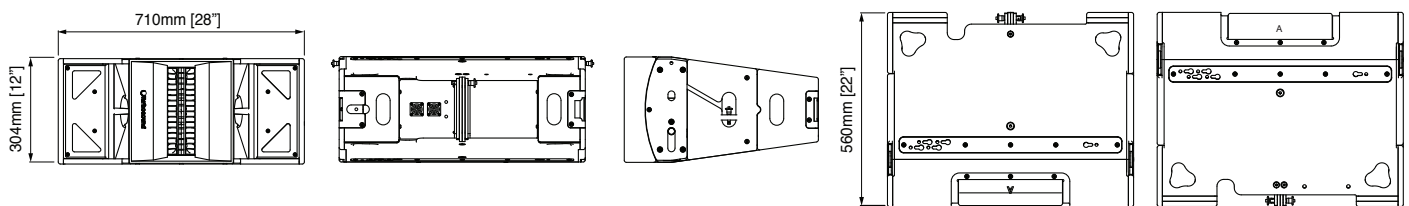
installedsound

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<b>DIMENSIONS (HxWxD)</b>	304 x 710 x 560 mm (12 x 28 x 22")
<b>NET WEIGHT</b>	42.5 kg (93.5 lbs)
<b>COMPONENTS</b>	2 x Custom 10" (254 mm) LMF Drivers, 1 x Custom 6.5" (165 mm) HMF Driver on a Midrange Polyhorn, 1 x Custom HF Driver on a High Frequency Dendritic Device
<b>FREQUENCY RESPONSE</b>	90 Hz - 18 kHz $\pm$ 3 dB, 80 Hz - 20 kHz $\pm$ 10 dB
<b>NOMINAL DISPERSION</b>	75° H x 16° V @ -6 db Points
<b>POWER HANDLING</b>	HF: 60 Watts Continuous, 240 Watts Peak; MF: 120 Watts Continuous, 480 Watts Peak, LMF: 600 Watts Continuous, 2,400 Watts Peak
<b>SENSITIVITY</b>	HF: 103 dB, LMF: 107 dB, LF: 96 dB, 1 W @ 1 Metre (Measured in Full Space)
<b>MAXIMUM SPL</b>	130 dB Continuous (Calculated SPL Addition), 136 dB Peak
<b>CROSSOVER</b>	Tri-amp Mode: 90 Hz, 600 Hz, 6 kHz Active; Bi-amp Mode: 90 Hz, 600 Hz Active, 6 kHz Passive
<b>NOMINAL IMPEDANCE</b>	LMF: 8 Ohms; HMF: 8 Ohms; HF: 8 Ohms; High-Mid/High Passive: 12 Ohms
<b>CONSTRUCTION</b>	15 mm (5/8") Birch Plywood Finished in Black Semi-Matt Textured Paint
<b>GRILLE</b>	Powder Coated Perforated Steel with Foam Backing
<b>CONNECTORS</b>	2 x Neutrik speakON* NL8 Wired: Pin 1+ and 1- Link to NL4; Pin 2+: LF Positive; pin 2-: LF Negative; Pin 3+: MF Positive, Pin 3-: MF Negative, Pin 4+: HF Positive, Pin 4- HF Negative
<b>OPTIONS</b>	White Textured Paint
<b>SPARES AND ACCESSORIES</b>	LS-1025            10" (254 mm) LMF Loudspeaker RC-1025            Recone Kit LS-6507            6.5" (165 mm) HMF Loudspeaker CD-117            HF Driver RD-117            Replacement Diaphragm

More information can be found on our website: [www.turbosound.com](http://www.turbosound.com)

## Dimensions



## Limited Warranty and Service Information

\*\*For the applicable warranty terms and conditions and additional information regarding MUSIC Group's Limited Warranty, please see complete details online at [www.music-group.com/warranty](http://www.music-group.com/warranty). \*All third-party trademarks are the property of their respective owners. Their use neither constitutes a claim of the trademark nor affiliation of the trademark owners with MUSIC Group. Product names are mentioned solely as a reference for compatibility, effects and/or components.

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