# TFA-600H wide dispersion 3-way line array module

#### **Features**

- Line array or virtual point source element
- Ultra low distortion
- 75°H x 16°V dispersion
- 136dB max output
- Integrated flygear
- Trapezoidal enclosure
- Bi-amp or tri-amp modes
- Neodymium drive units
- Seamless arraybility

### **Applications**

- House of Worship
- Flown clusters
- Ground-stacked touring
- Theatre and corporate
- Live music venues

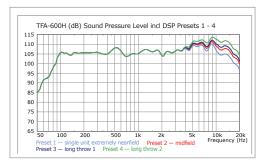
## Flex Array series



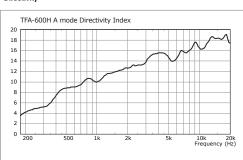
The TFA-600H is a compact trapezoidal bi-amped/tri-amped three-way mid/high enclosure consisting of a 1" high frequency compression driver on a Dendritic horn, a 6.5" high-mid frequency driver on a patented Polyhorn™ device, and two Turbo-loaded 10" low-mid frequency drivers.

It combines a Dendritic HF waveguide and a midrange Polyhorn™ together in a single physically aligned, equal path length waveguide with 75° horizontal dispersion, ensuring a phase-coherent wavefront at the horn mouth. In addition, the drive units are symmetrically arranged within the enclosure, which contributes to the smooth and consistent horizontal and vertical coverage. The TFA-600H is a switchable tri-amp / bi-amp enclosureand includes a passive crossover network between the MF and HF drive units, which can be bypassed for full tri-amped operation by moving an internal jumper. Neodymium drive units are used throughout in order to achieve the exceptionally low net weight, making it convenient to transport, handle and rig. The enclosure features integral vertical and horizontal flying systems to facilitiate simple and intuitive rigging with the minimum of external parts. A flight-cased trucking system allows three boxes to be pre-rigged and transported together. The 15mm birch plywood cabinet is equipped with eight recessed handles, and a recessed real panel carries two parallel-linked Speakon NL8 connectors for input and loop-through connections.

#### Frequency Response



#### Directivity



## **TURBOSOUND Ltd**

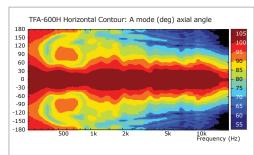
Star Road Partridge Green West Sussex **RH13 8RY** United Kingdom

t: +44 (0)1403 711447 f: +44 (0)1403 710155

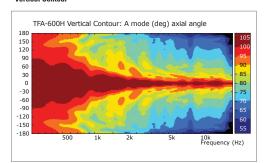
e: techsupport@turbosound.com

w: www.turbosound.com

#### **Horizontal Contou**



### Vertical Contour





# TFA-600H self-powered 3-way line array

DIMENSIONS (HxWxD) 710mm x 304mm x 560mm (28" x 12" x 22")

**NET WEIGHT** 42.5kg (93.5 lbs)

COMPONENTS 2 x custom 10" (254mm) LMF driver, 1 x custom 6.5" (165mm) HMF driver on a midrange Polyhorn™,

1 x custom HF driver on a high frequency Dendritic device

FREQUENCY RESPONSE 90Hz - 18kHz ±3dB, 80Hz - 20kHz ±10dB

NOMINAL DISPERSION 75°H x 16°V @-6db points

POWER HANDLING LMF: 600 watts r.m.s., 1200 watts program

HMF: 120 watts r.m.s., 240 watts program HF: 60 watts r.m.s., 120 watts program

SENSITIVITY LMF: 96dB; HMF: 108dB; HF: 104dB measured full space

MAXIMUM SPL 130dB continuous (calculated SPL addition), 136dB peak

NOMINAL IMPEDANCE LMF: 8 OHMS; HMF: 8 OHMS; HF: 8 OHMS

CROSSOVER POINTS Tri-amp mode: 90Hz, 600Hz, 6kHz Active; Bi-amp mode: 90Hz, 600Hz Active, 6kHz Passive

CONSTRUCTION 15mm (5/8") birch plywood throughout, finished in black semi-matt textured paint

**GRILLE** Powder coated perforated steel with reticulated foam backing

CONNECTORS (2) Speakon NL8 wired: pin1+ and 1- link to NL4; pin2+: LF positive; pin2-: LF negative; pin3+: MF positive,

pin3-: MG negative, pin4+: HF positive, pin4-: HF negative hot

SPARES AND ACCESSORIES LS-1025 10" (254mm) LMF loudspeaker

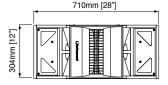
RC-1025 Recone kit

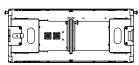
LS-6507 6.5" (165mm) HMF loudspeaker

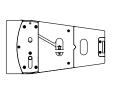
CD-117 HF driver

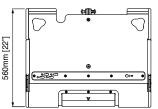
RD-117 Replacement diaphragm MG-600H Replacement metal grille

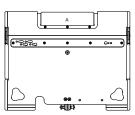
MORE INFO More information can be found on our website: www.turbosound.com











#### **Limited Warranty**

Every Turbosound loudspeaker product is warranted to the original end-user purchaser and all subsequent owners for a period of two (2) years for loudspeaker products, or one (1) year for electronics products, from the original date of purchase. Warranty coverage includes defects in materials and workmanship. It does not include:

- damage caused by accident, misuse, abuse, neglect or modification by any other person other than an authorised Turbosound representative,
- damage caused by overdriving, use with unsuitable amplifiers or amplifier failure,
- damage caused by failure to operate the product in accordance with the instructions contained in the user's manual,
- damage occurring during shipment in transit,
- $\bullet\,$  claims based upon any misrepresentations by the seller,
- products which do not have the original components as specified in the product engineering information,
- products on which the serial number has been removed or defaced.

Should any fault develop with a component of your Turbosound system, please return the product, freight pre-paid, in its original packing carton, along with proof of purchase such as the original bill of sale, and a description of the suspected fault, to your local authorised Turbosound representative. The product serial number must be quoted in all correspondence relating to the claim. Insurance is recommended as Turbosound or its representatives are not liable for loss or damage in transit.

