

TA-890H three-way mid/high loudspeaker

Features

- Total system optimisation
- Very high SPL
- Virtual point source
- Arrayable enclosure
- Integral flyware
- Precise 25° x 15° coverage
- Rotatable mid-high section
- Optimised truck pack
- Patented Polyhorn™ devices
- Very compact enclosures
- Integrated flying systems
- Seamless arrayability

Applications

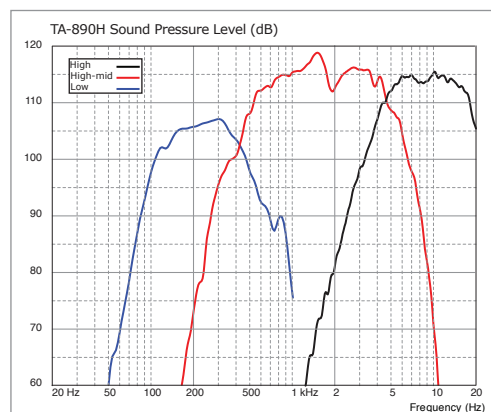
- Stadia and arenas
- Touring and festivals
- Regional concert touring
- Theatre and Corporate
- Dance clubs



The TA-890H is a portable mid-high enclosure designed for flown and ground stacked touring applications. It houses high frequency, high-mid frequency and low-mid frequency elements arranged in a vertical orientation, and covering the frequency range from 100Hz to 20kHz.

The high frequency band above 5kHz is reproduced by two custom-designed HF drivers loaded by a high frequency Polyhorn™ device. High-mid frequencies from 450Hz to 5kHz are handled by a proprietary 10" HMF drive unit on a further Polyhorn™ device optimised for high-mid frequencies. Two 10" low-mid frequency drivers loaded with TurboMid™ devices cover the remaining frequency range from 450Hz down to 100Hz. The TA-890H is a fully equipped modular touring cabinet with integral flying systems for both horizontal and vertical configurations, and to achieve this the square mid-high section can be rotated through 90° to allow boxes to be flown in either orientation. Cabinet dimensions are optimised to truck pack in the most common US and European vehicles, and as well as the individual wheel boards provided with each enclosure, it is also possible to pre-stack up to four cabinets on an optional wheel dolly for easy loading in to venues equipped with ramps. The cabinet is also fitted with interlocking corner mouldings to aid in aligning boxes when ground stacking or transporting. A Speakon NL8 connector is fitted to the rear access door, as well as a NL8 break-out cable for connection to additional mid-high cabinets.

Frequency Response



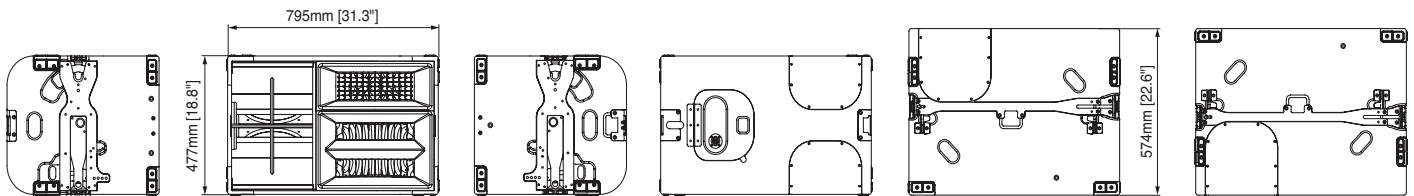
Aspect series

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TA-890H three-way mid/high loudspeaker

DIMENSIONS (HxWxD)	795mm x 477mm x 574mm (31.3" x 18.8" x 22.6")
NET WEIGHT	76kg (167lbs)
COMPONENTS	2 x 10" (254mm) LMF drivers, 1 x 10" (254mm) HMF driver on a midrange Polyhorn™ 2 x HF drivers on a high frequency Polyhorn™
FREQUENCY RESPONSE	95Hz - 20kHz ±4dB
NOMINAL DISPERSION	25°H x 15°V
POWER HANDLING	LMF: 500 watts r.m.s., 1000 watts program HMF: 200 watts r.m.s., 400 watts program HF: 100 watts r.m.s., 200 watts program
SENSITIVITY	LMF: 107dB; HMF: 114dB; HF: 111dB
MAXIMUM SPL	140dB continuous, 146dB peak
CROSSOVER BANDS	LMF: 101Hz–405Hz, HMF: 405Hz–4kHz, HF: 5k99Hz–20kHz
IMPEDANCE	LMF: 8 ohms; HMF: 16 ohms; HF: 12 ohms
CONSTRUCTION	15mm (5/8") beech plywood throughout; rebated, screwed and glued. Finished in black semimatt textured paint. Four recessed carrying handles
GRILLE	Cloth/expanded metal
CONNECTORS	(2) Speakon NL8 wired: pin1+: linked internally; pin1-: linked internally; pin 2+: LMF positive; pin 2-: LMF negative; pin3+: HMF positive; pin 3-: HMF negative; pin4+: HF positive; pin 4-: HF negative
OPTIONS	Wheel dolly for four cabinets
SPARES AND ACCESSORIES	MG-890 Replacement cloth/expanded metal grille LS-1022 10" (254mm) LMF loudspeaker RC-1022 Recone kit for LS-1022 RC-1021 Recone kit for LS-1021 LS-1021 10" (254mm) HMF loudspeaker CD-112 25mm HF driver RD-112 Replacement diaphragm for CD-112
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,
- 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.