

Install Speakers

PRAGUE

TPA122/00

Arrayable 2 Way 12" Full Range Loudspeaker
for Installation Applications,
100° H x 100° V Dispersion

- Arrayable 2 way full range loudspeaker for installation applications
- Wide 100° H x 100° V dispersion waveguide
- 500 Watts continuous, 2,000 Watts peak power
- Carbon fibre loaded 12" low frequency driver with inside/outside wound coil
- Aluminium dome 1" neodymium motor compression driver
- Multiple array configurations for extended coverage
- Switchable passive/bi-amp operation for flexibility of use
- Trapezoidal cabinet shape enables visually unobtrusive loudspeaker arrays
- Multiple internal rigging points allow bracket mount and suspension in any orientation
- 15 mm (5/8") birch plywood enclosure with hard wearing semi matt black paint finish
- Architecturally styled powder coated perforated steel mesh grille
- Neutrik speakON* NL4 and barrier strip connectors
- 3-Year Warranty Program*
- Designed and engineered in England



The 2 way full range TPA122/00 is a switchable passive/bi-amp 12" 2,000 Watt arrayable loudspeaker system that is ideally suited for a wide range of speech and music sound reinforcement applications. The TPA122/00 is designed to work in conjunction with **TURBOSOUND** loudspeaker management systems, providing optimal FOH performance, as well as offering considerable flexibility to readily adapt to varying venue requirements.



The TPA122/00 arrayable loudspeaker features a carbon fibre loaded 12" low frequency driver with inside/outside wound coil with low mass voice coil for improved transient response, and an aluminium dome 1" neodymium motor compression driver mounted on a 100° horizontal by 100° vertical waveguide. All drivers are matched with an internal passive crossover network in a reflex-loaded enclosure, and bi-amp mode can be enabled by means of a rear panel switch.

Finished in a highly durable semi matt black paint, the cabinet is constructed from 15 mm (5/8") birch plywood – and includes a rugged powder coated perforated steel mesh grille backed with reticulated foam. Internal M10 threaded rigging points are provided for suspension in any orientation, or mounting with dedicated brackets – available separately. The rear panel connector plate carries Neutrik speakON* NL4 and barrier strip connectors for input and link connections to additional enclosures.

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You Are Covered

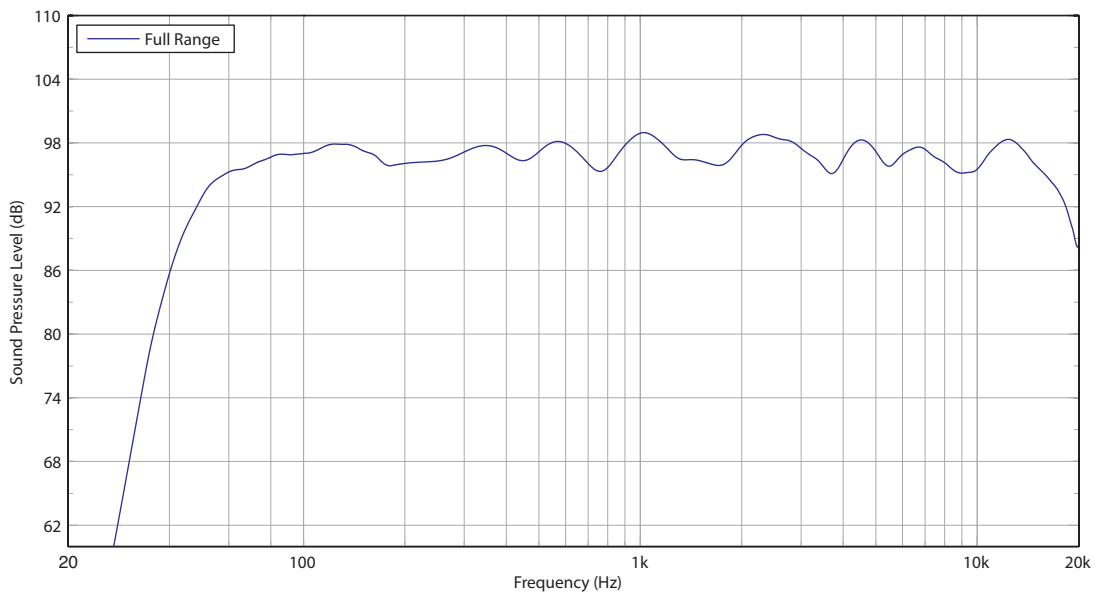
We always strive to provide the best possible Customer Experience. Our products are made in our own MUSIC Group factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous 3-Year Warranty program.

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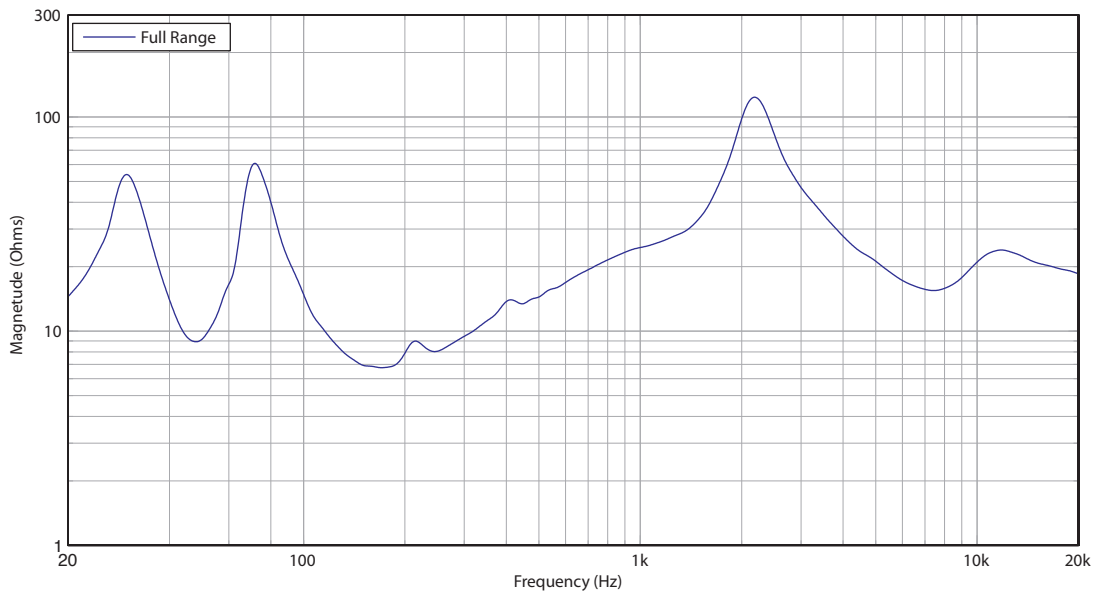
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Frequency Response Sensitivity 1 W / 1 m



Impedance

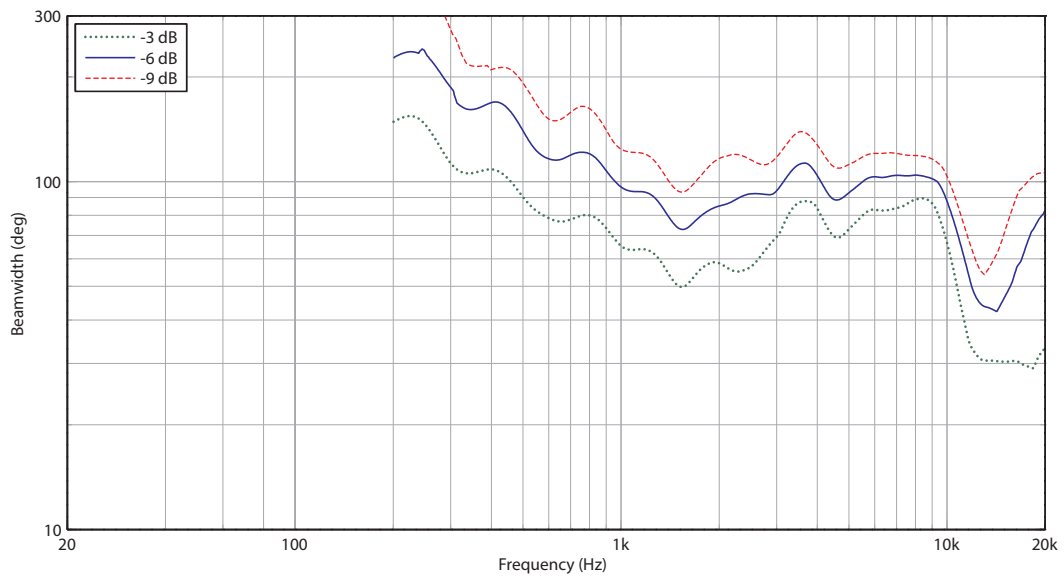


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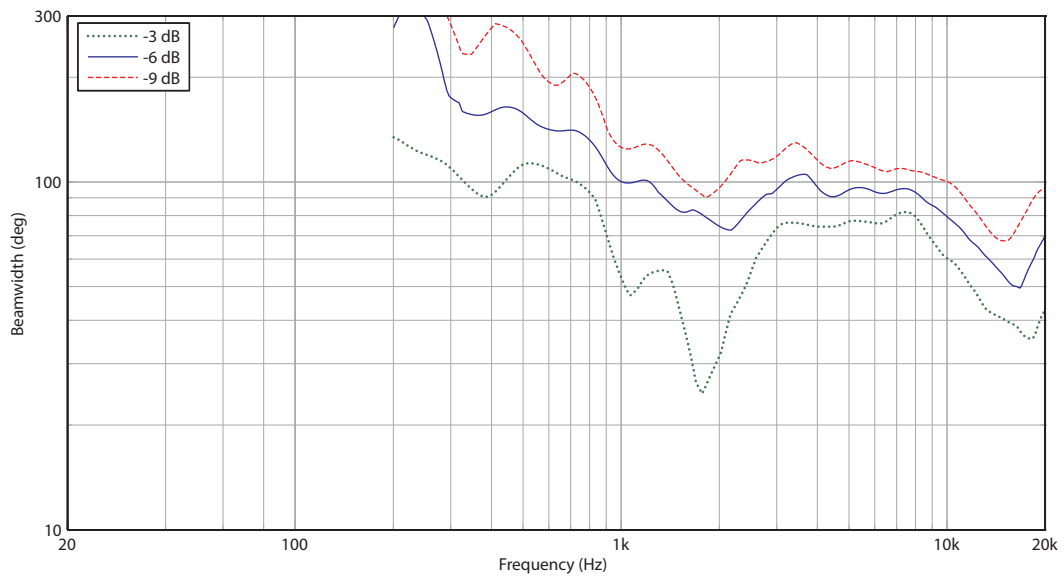
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Horizontal Beamwidth



Vertical Beamwidth

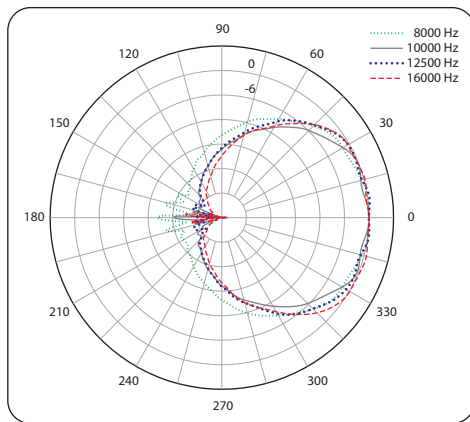
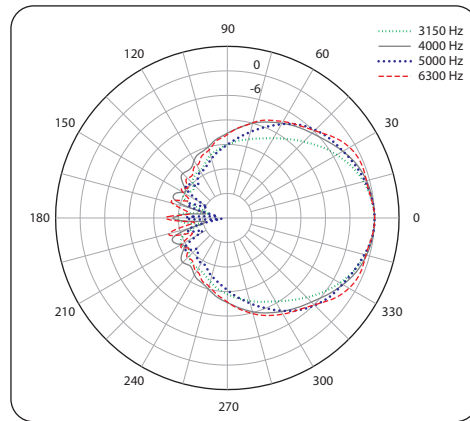
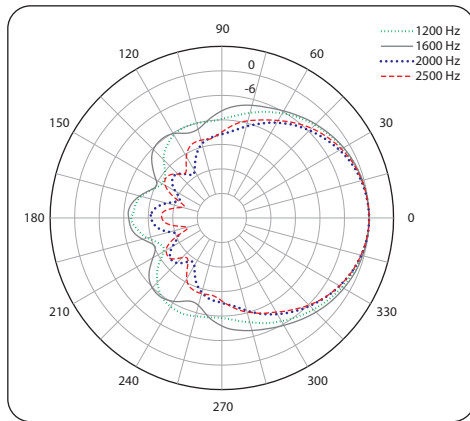
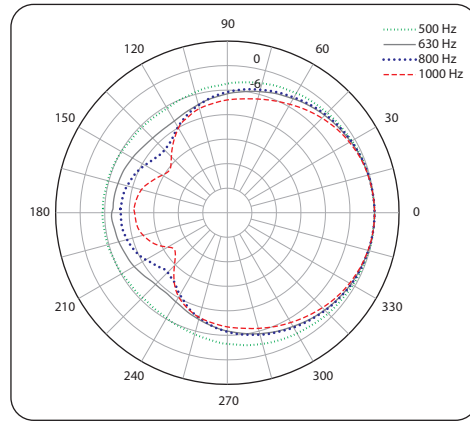
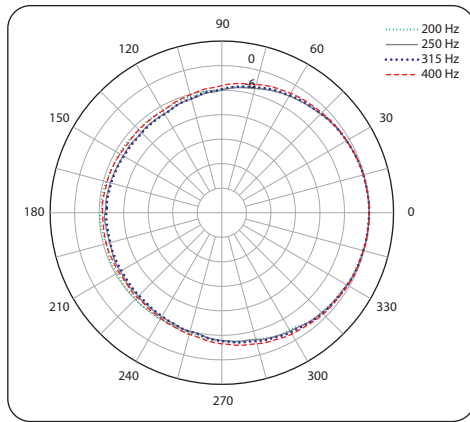


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Horizontal Polar Plots

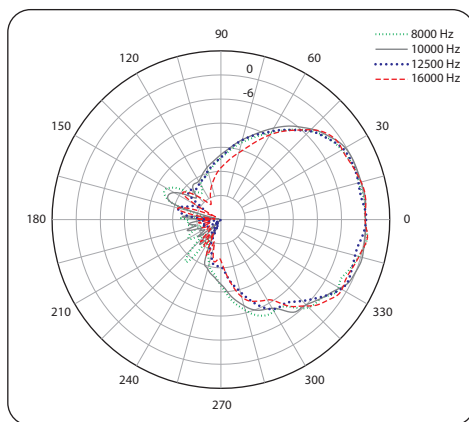
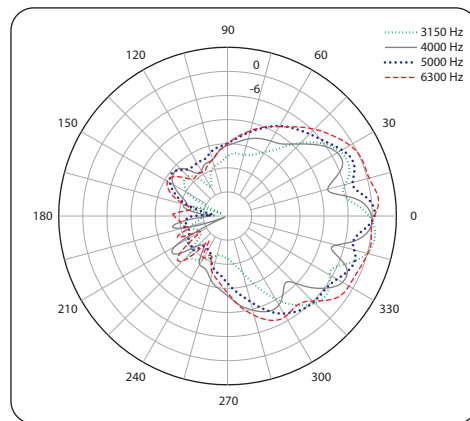
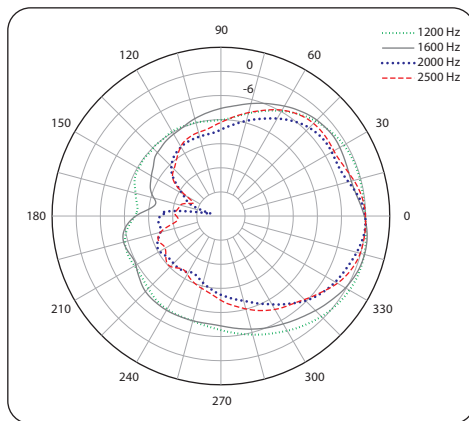
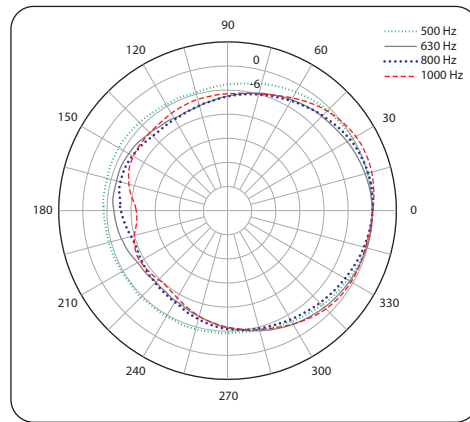
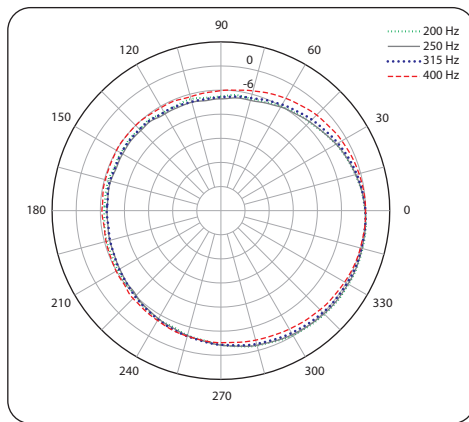


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Vertical Polar Plots

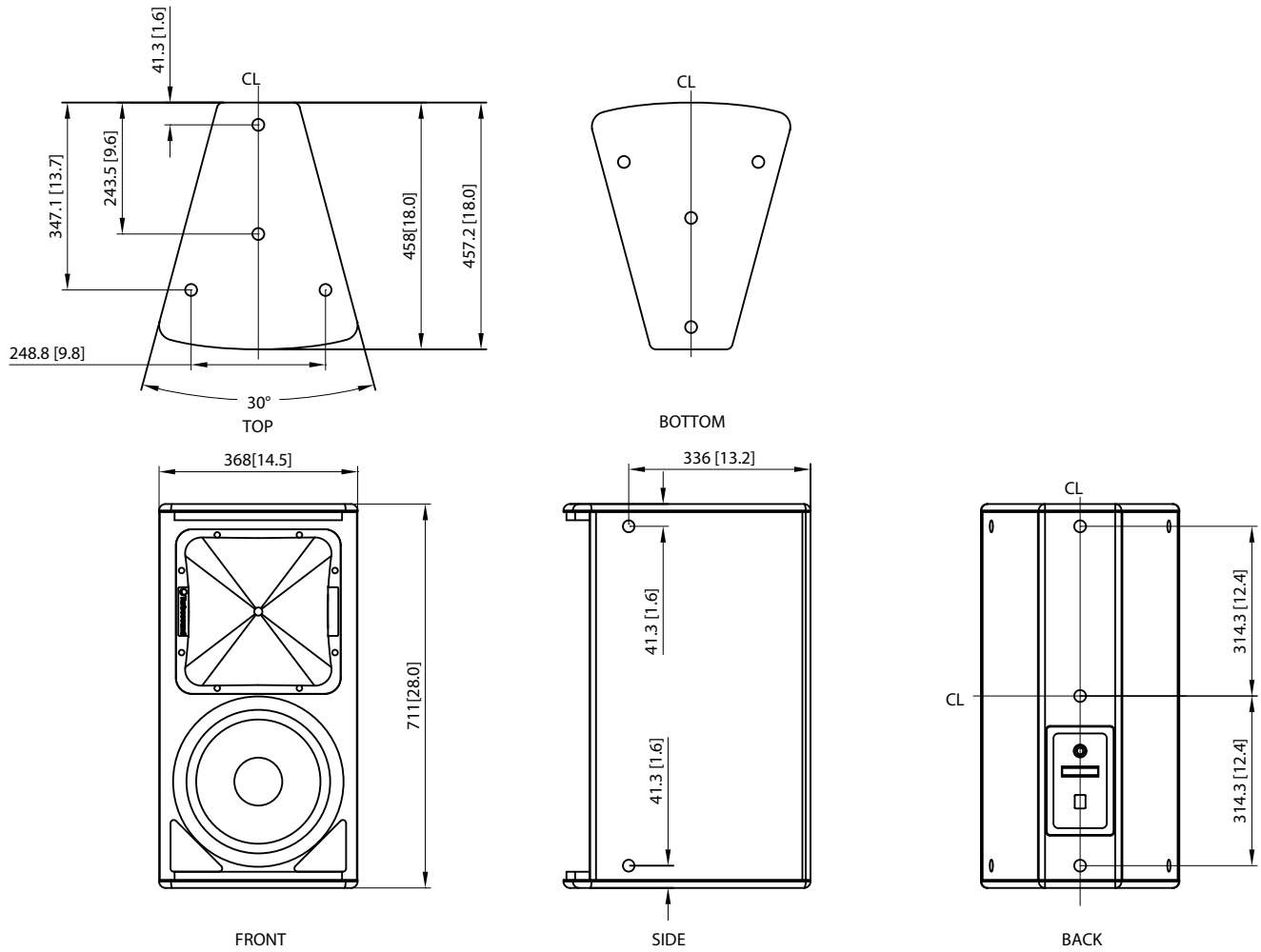


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Dimensions



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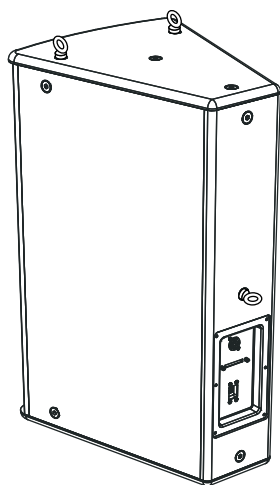
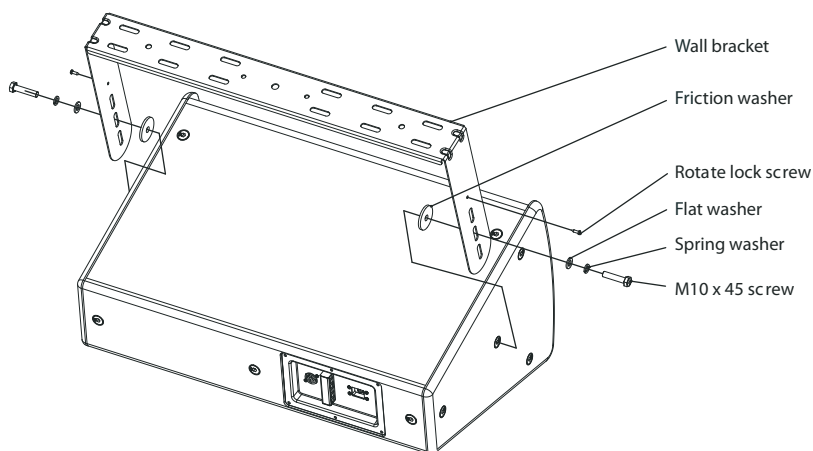
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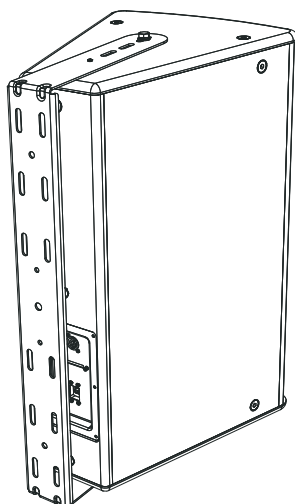
Mounting and Rigging

The cabinet is fitted with a quantity of 15 M10 internally-threaded rigging points on the top, bottom, sides and rear, that allow it to be rigged with M10 eyebolts and mounted in a variety of ways to suit differing applications.

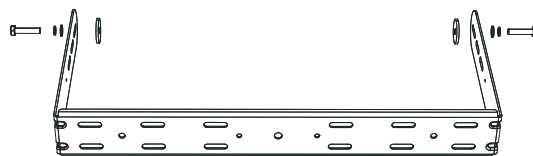
An adjustable wall bracket (TPA122-WB) enables the cabinet to be fixed to a ceiling or wall, with the ability to rotate and adjust the angle to achieve optimum coverage.



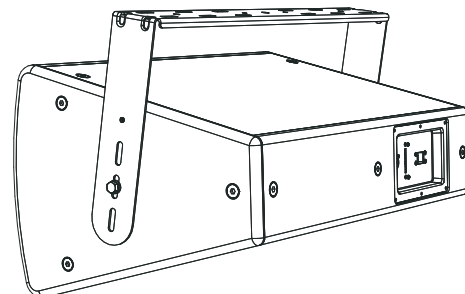
Eye-Bolt Rigging



Vertical Mounting



Wall Bracket Kit TPA122-WB



Horizontal Mounting

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Technical Specifications

System

Frequency Response	45 Hz – 18 kHz \pm 3 dB 40 Hz – 20 kHz -10 dB
Nominal Dispersion	100° H X 100° V @ -6 dB points
Directivity Factor (Q)	5
Directivity Index (DI)	7
Power Handling (IEC)	
Passive	500 W continuous, 2,000 W peak
Bi-amp	LF: 500 W continuous, 2,000 W peak HF: 40 W continuous, 160 W peak
Sensitivity	97 dB (1 W @ 1 m)
Maximum SPL	
Passive	124 dB continuous, 130 dB peak
Bi-Amp	LF: 124 dB continuous, 130 dB peak HF: 122 dB continuous, 128 dB peak
Impedance	
Passive	8 Ω
Bi-Amp	LF: 8 Ω HF: 6 Ω
Crossover Type	Passive / bi-amp, switchable
Components	1 x 12" (316 mm) LF driver 1 x 1" (25 mm) HF compression driver

Enclosure

Connectors	1 x Neutrik speakON* NL4, 1 x barrier strip terminals
Wiring	
Passive	Pins 1+ / 1- input, pins 2+ / 2- link
Bi-Amp	Pins 1+ / 1- LF, pins 2+ / 2- HF
Dimensions HWD	711 x 368 x 458 mm (28 x 14.5 x 18")
Net Weight	23.2 kg (51.1 lbs)
Construction	15 mm (5/8") birch plywood
Finish	Semi matt black paint
Grille	Powder-coated perforated steel
Flying Hardware	M10 x 15 points

Accessories

TPA122-WB wall bracket PRAGUE 12"

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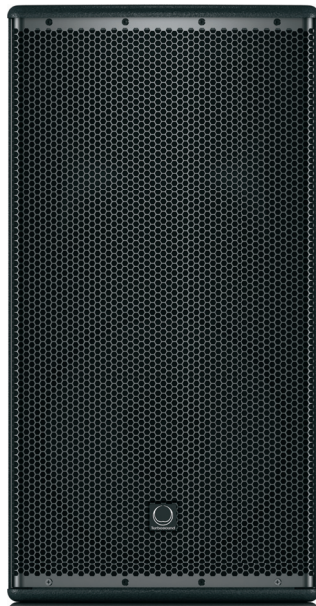
Architecture & Engineering Specifications

The speaker shall be of the full range, two-way switchable bi-amp/passive type consisting of one 12" (316 mm) LF driver and one 1" (25 mm) HF compression driver. Performance specifications of a typical production unit shall meet or exceed the following: frequency response, measured with swept sine wave input, shall be flat within ± 3 dB from 45 Hz to 18 kHz and within -10 dB from 40 Hz to 20 kHz. Nominal dispersion, at -6 dB points, shall average 100° H x 100° V. Nominal impedance shall be HF: 6 Ohms, LF: 8 Ohms; passive: 8 Ohms. Power handling shall be HF: 40 Watts continuous, 160 Watts peak, LF: 500 Watts continuous, 2,000 Watts peak; passive: 500 Watts continuous, 2,000 Watts peak. Sensitivity, measured on axis, mean averaged over stated bandwidth, shall be 97 dB, 1 Watt @ 1 metre. Maximum SPL (peak) measured at 1 metre with music program at stated amplifier input shall be HF: 128 dB, LF: 130 dB; passive: 130 dB. Dimensions: 711 mm high x 368 mm wide x 458 mm deep (28.0" x 14.5" x 18.0"). Net weight: 23.2 kg (51.1 lbs). The loudspeaker system shall be the [TURBOSOUND TPA122/00](#). No other loudspeaker shall be acceptable unless submitted data from an independent test laboratory verifies that the above combined performance / size specifications are equaled or exceeded.

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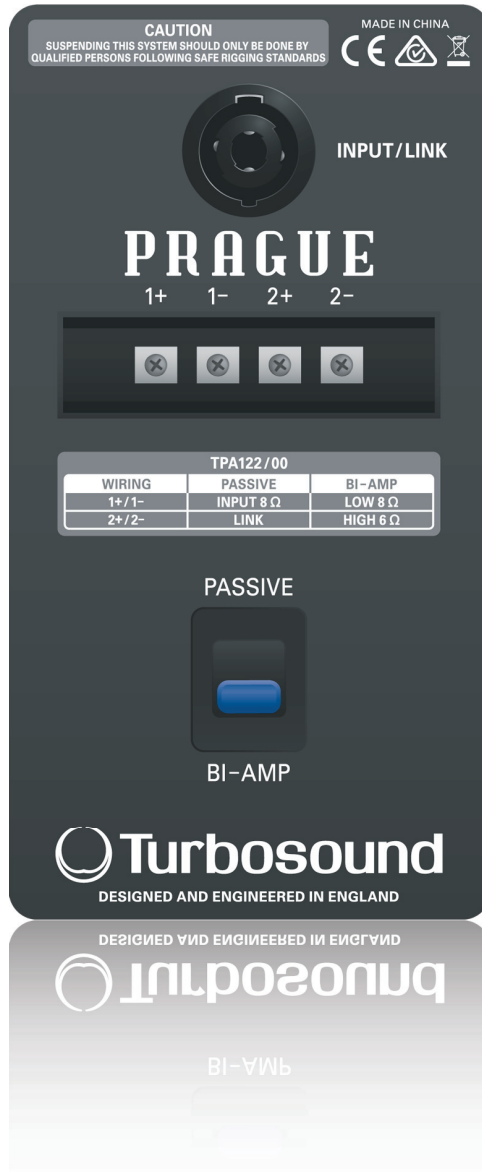
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