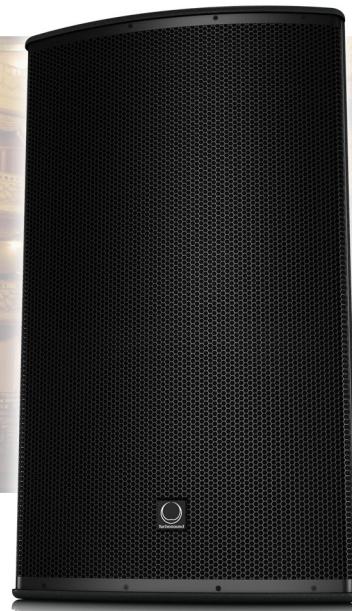


Install

PRAGUE TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

- Arrayable 3 way full range loudspeaker for installation applications
- Rotatable waveguide with 60° H x 40° V dispersion
- 850 Watts continuous, 3,400 Watts peak power
- Carbon fibre loaded 15" low frequency driver with inside/outside wound coil
- Carbon fibre loaded 8" high sensitivity mid range driver
- Titanium dome 1.4" neodymium motor compression driver
- Multiple array configurations for extended coverage
- Switchable passive/bi-amp/tri-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
- 10-Year Warranty Program*
- Designed and engineered in the U.K.



The 3-way full range TPZ153/64 is a switchable bi-amp/tri-amp 15" 3,400 Watt arrayable loudspeaker system that is ideally suited for a wide range of speech and music sound reinforcement applications. The TPZ153/64 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 TPZ153/64 arrayable loudspeaker features a carbon fibre loaded 15" low frequency driver with an inside/outside wound low mass voice coil for improved transient response, a carbon fibre loaded 8" high sensitivity mid range driver, and a titanium dome 1.4" neodymium motor high frequency compression driver mounted on a rotatable 60° horizontal by 40° vertical waveguide. The mid range and high frequency drivers are matched with an internal passive crossover network in a reflex-loaded enclosure, and bi-amp or tri-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 TPZ153-FK fly kit is also available for suspension of three TPZ153 enclosures with array angles ranging from 50 - 90° in 5° increments. The rear panel connector plate carries Neutrik speakON* NL4 and barrier strip connectors for input and link connections to additional enclosures.

*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 Tribe. Product names are mentioned solely as a reference for compatibility, effects and/or components. Warranty details can be found at musictribe.be.

Install

PRAGUE

TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications



You Are Covered

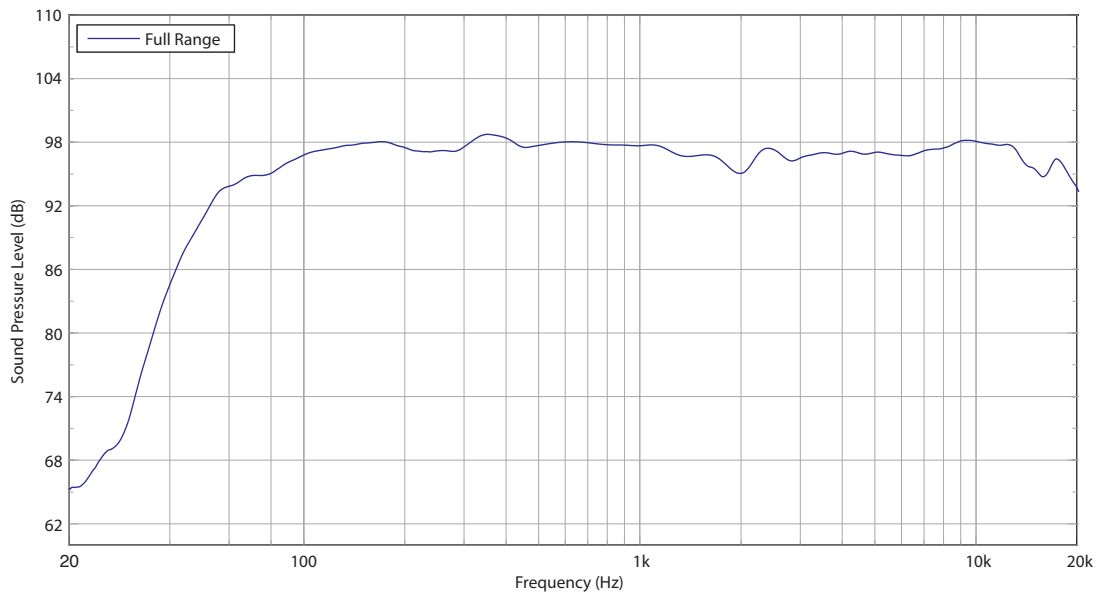
We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Tribe](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have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

Install

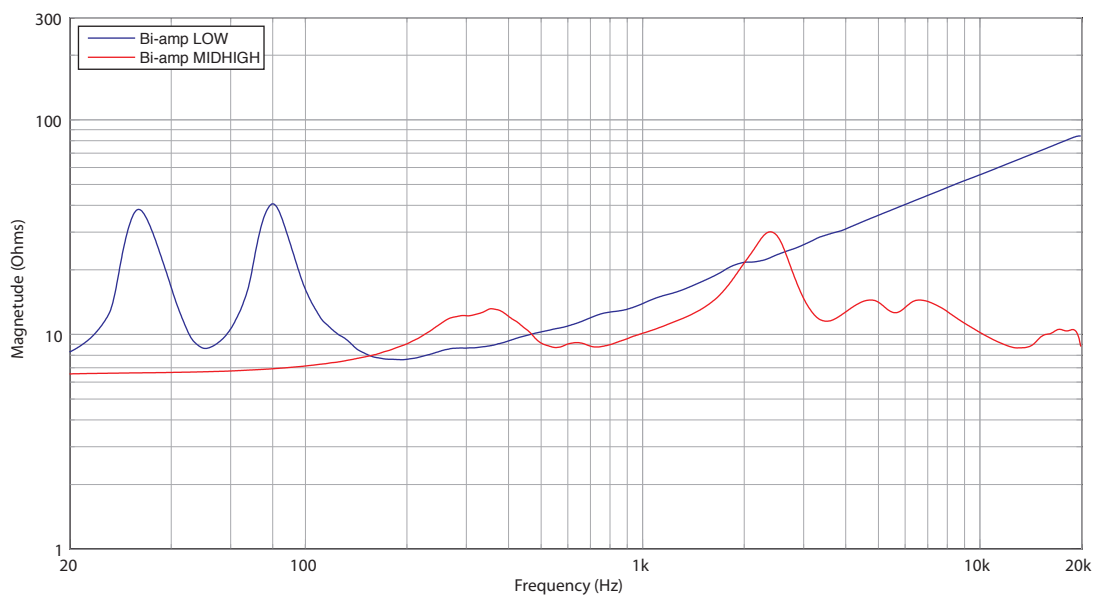
PRAGUE TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

Frequency Response Sensitivity 1 W / 1 m



Impedance



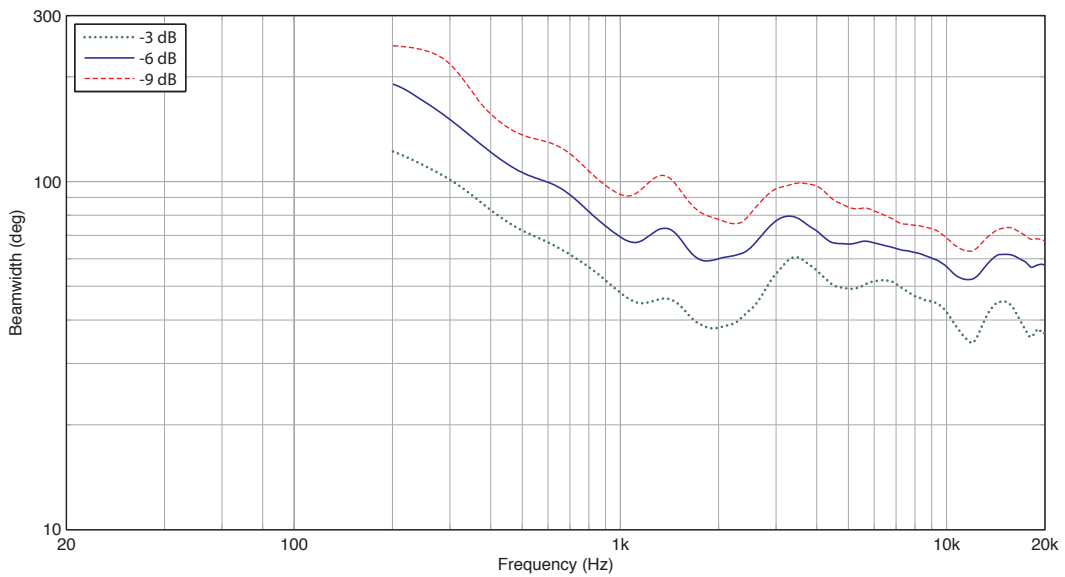
Install

PRAGUE

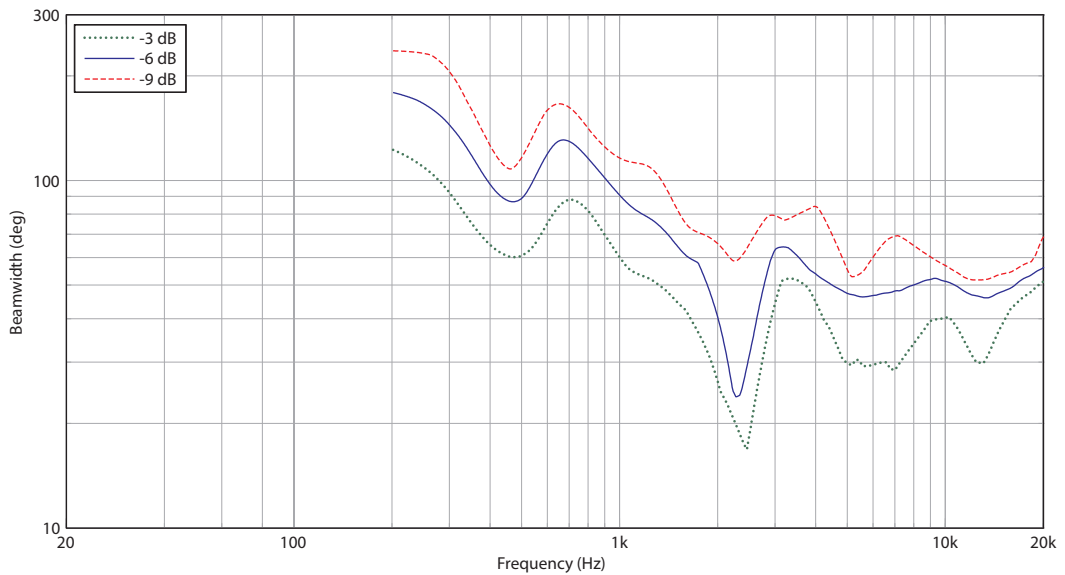
TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

Horizontal Beamwidth



Vertical Beamwidth

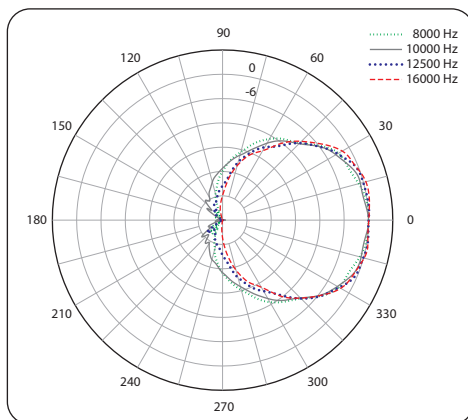
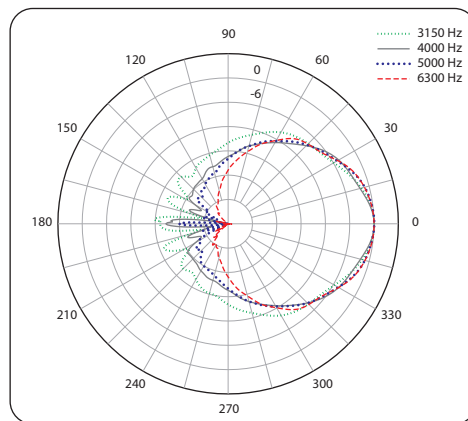
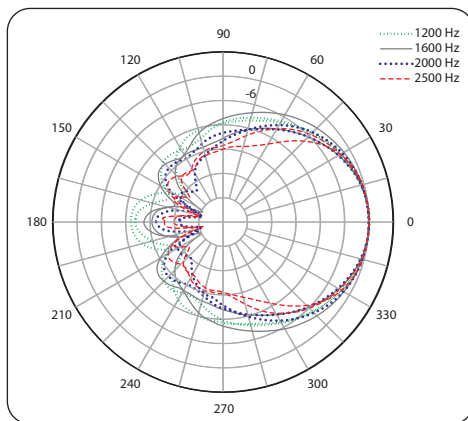
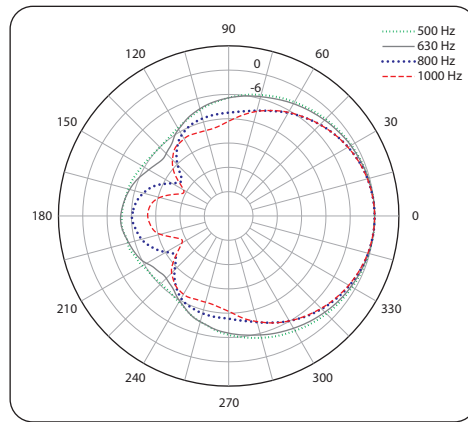
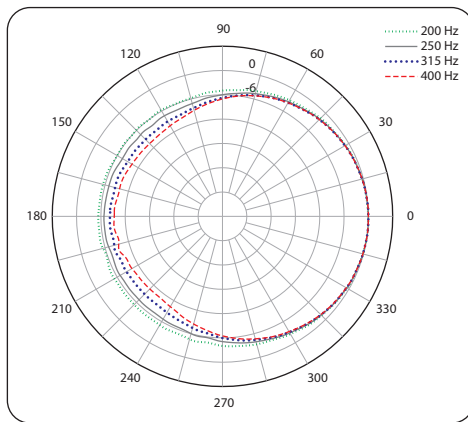


Install

PRAGUE TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

Horizontal Polar Plots

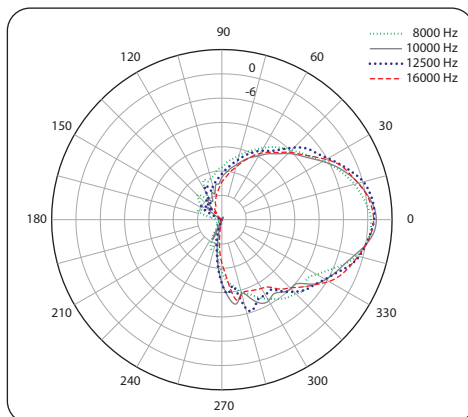
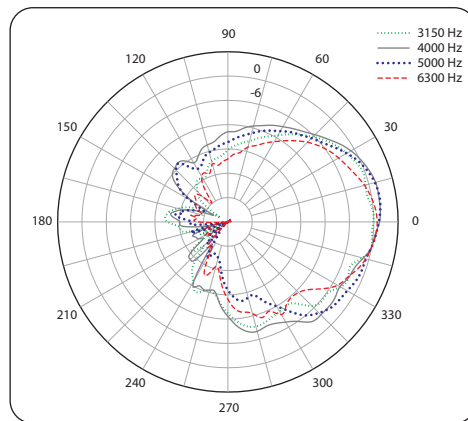
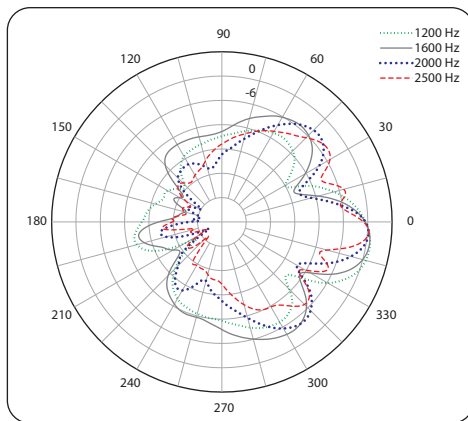
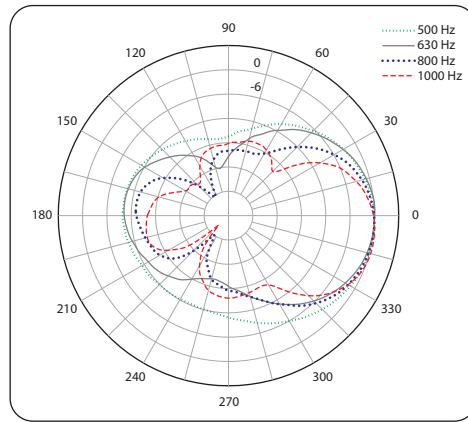
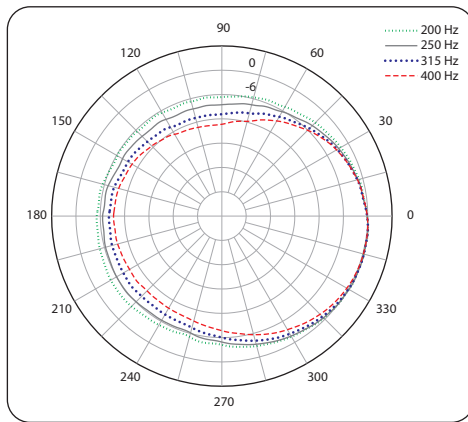


Install

PRAGUE TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

Vertical Polar Plots

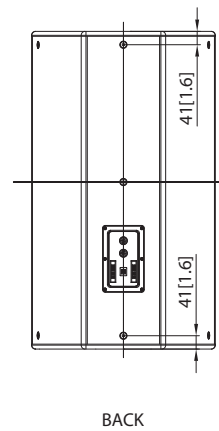
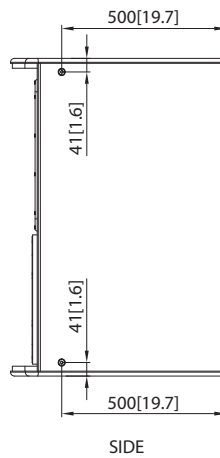
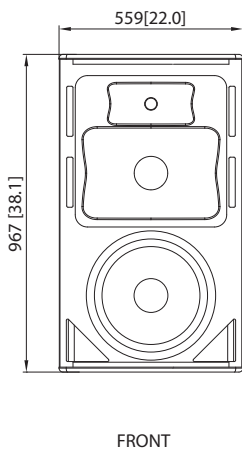
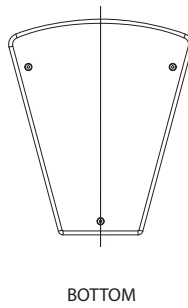
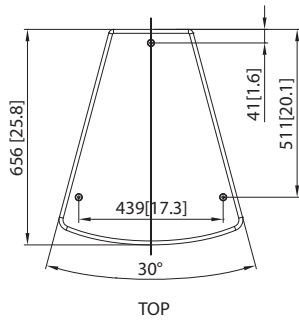


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PRAGUE TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

Dimensions



Install

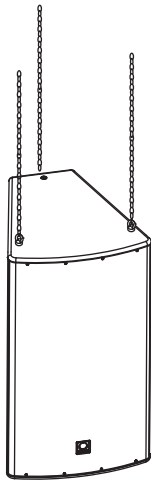
PRAGUE TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

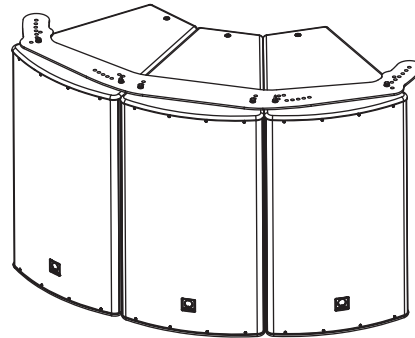
Mounting and Rigging

The cabinet is fitted with M10 x 13 internally-threaded rigging points that allow it to be rigged with optional shoulder eyebolts and mounted in many different configurations in permanent installations. The simplest method of rigging is to use two or three M10 rigging points on the top, and one in the center of the rear panel. Adjustment of the length of the rear cable allows the cabinet to be angled for optimum room coverage. Cabinets may also be hung upside down if required.

The optional TPZ153-FK fly kit allows a horizontal array of three cabinets to be configured, with a wide range of angle adjustment between the cabinets.



Suspension using M10
shoulder eyebolts.



Horizontal clusters using
the TPZ153-FK fly kit.

Install

PRAGUE

TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

Technical Specifications

System

Frequency Response	45 Hz – 20 kHz \pm 3 dB 38 Hz – 20 kHz -10 dB
Nominal Dispersion	60° H x 40° V @ -6 dB points
Directivity Factor (Q)	18.3
Directivity Index (DI)	12.6
Power Handling (IEC)	
Bi-amp	LF: 650 W continuous, 2600 W peak MHF: 200 W continuous, 800 W peak
Tri-amp	LF: 650 W continuous, 2,600 W peak MF: 200 W continuous, 800 W peak HF: 75 W continuous, 300 W peak
Sensitivity	LF: 97 dB (1 W @ 1 m) MF: 107 (1 W @ 1 m) HF: 109 (1 W @ 1 m)
Maximum SPL	
Bi-amp	LF: 125 dB continuous, 131 dB peak MHF: 128 dB continuous, 134 dB peak
Tri-amp	LF: 125 dB continuous, 131 dB peak MF: 130 dB continuous, 136 dB peak HF: 128 dB continuous, 134 dB peak
Impedance	
Bi-amp	LF: 8 Ω MHF: 8 Ω
Tri-amp	LF: 8 Ω MF: 8 Ω HF: 6 Ω
Crossover Type	Bi-amp / tri-amp switchable
Components	1 x 15" (394 mm) LF driver 1 x 8" (200 mm) MF driver 1 x 1.4" (36 mm) HF compression driver

Enclosure

Connectors	2 x Neutrik speakON* NL4, 2 x barrier strip terminals
Wiring	
Bi-amp	Pins 1+ / 1- LF, pins 2+ / 2- MHF, pins 3+ / 3- link, pins 4+ / 4- link
Tri-amp	Pins 1+ / 1- LF, pins 2+ / 2- MF, pins 3+ / 3- HF, pins 4+ / 4- Link
Dimensions HWD	967 x 559 x 656 mm (38.0 x 22.0 x 25.8")
Net Weight	43.3kg (95 lbs)
Construction	15 mm (5/8") birch plywood
Finish	Semi matt black paint
Grille	Powder coated perforated steel
Flying Hardware	M10 x 13 points

Accessories

TPZ153-FK

Install

PRAGUE TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

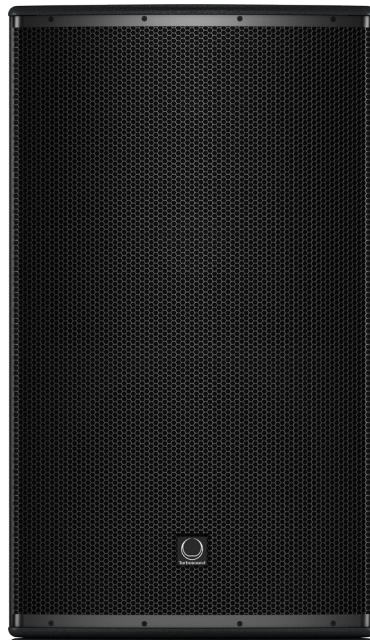
Architecture & Engineering Specifications

The speaker shall be of the full range, three-way switchable bi-amp/tri-amp type consisting of one 15" (394 mm) LF driver, one 8" (200 mm) MF driver, and one 1.4" (36 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 20 kHz and within -10 dB from 38 Hz to 20 kHz. Nominal dispersion, at -6 dB points, shall average 60° H x 40° V, rotatable. Nominal impedance in tri-amp mode shall be: HF: 6 Ohms, MF: 8 Ohms, LF: 8 Ohms. Nominal impedance in bi-amp mode shall be: MF/HF 8 Ohms, LF 8 Ohms. Power handling in tri-amp mode shall be: HF: 75 Watts continuous, 300 Watts peak, MF: 200 Watts continuous, 800 Watts peak, LF: 650 Watts continuous, 2,600 Watts peak. Power handling in bi-amp mode shall be: MF/HF: 200 Watts continuous, 800 Watts peak, LF: 650 Watts continuous, 2,600 Watts peak. Sensitivity, measured on axis, mean averaged over stated bandwidth, 1 Watt @ 1 metre, shall be HF: 109 dB, MF: 107 dB, LF: 97 dB. Maximum SPL (peak), measured at 1 metre with music program at stated amplifier input, in tri-amp mode shall be: HF: 134 dB, MF: 136 dB, LF: 131 dB; in bi-amp mode: MF/HF 134 dB, LF: 131 dB. Dimensions: 967 mm high x 559 mm wide x 656 mm deep (38.0" x 22.0" x 25.8"). Net weight: 43.3 kg (95 lbs). The loudspeaker system shall be the TURBOSOUND TPZ153/64. 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.

Install

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Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications

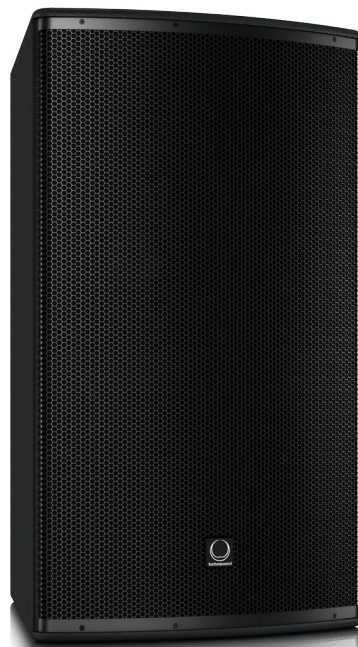


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TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications



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TPZ153/64

Arrayable 3 Way 15" Full Range Loudspeaker
for Installation Applications



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