

## Install Speakers

# IMPACT TCI32-TR

2 Way 3.5" Full Range Loudspeaker with  
Line Transformer for Installation Applications  
(Weather Resistant)

- Compact 2 way full range surface-mount loudspeaker for installation applications
- 30 Watts continuous, 120 Watts peak power
- High excursion 3.5" low frequency driver with high temperature voice coil
- 1" ferrofluid cooled neodymium high frequency driver
- Multiple transformer taps for 70 V and 100 V line systems or 16 Ohm direct input
- Weather resistant plated perforated grille with powder coating for outdoor use
- Proprietary elliptical waveguide provides wide 120° H x 100° V dispersion
- Wall-mount bracket with integral loudspeaker connections included
- Architecturally styled glass filled impact resistant enclosure
- Semi matt black finish fits unobtrusively in any environment
- 2 x M6 rigging points compatible with TURBOSOUND and OmniMount\* brackets
- 3/8" mic stand fitting for spot monitor applications
- 3-Year Warranty Program\*\*
- Designed and engineered in England



The ultra-compact IMPACT TCI32-TR is an indoor/outdoor passive two way surface-mount loudspeaker that is ideally suited for a wide range of installed speech and music applications. With a power handling capacity of 120 Watts, the weather-resistant system consists of a high excursion 3.5" low frequency driver with a high temperature voice coil, and a 1" neodymium ferro-fluid cooled high frequency driver mated to a proprietary elliptical waveguide – for a wide 120° horizontal by 100° vertical dispersion pattern.



## Custom-Engineered Drivers

TURBOSOUND is recognised the world over for designing and building some of the most iconic loudspeakers and subwoofers in the industry. We take meticulous care and pride in maintaining that reputation by utilising only drivers designed specifically for each application – it's what sets us apart from the competition. The custom designed high excursion 3.5" low frequency and 1" neodymium high frequency drivers ensure truly world-class performance that will deftly stand the test of time.

\*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.

\*\*Warranty details can be found at [music-group.com](http://music-group.com).

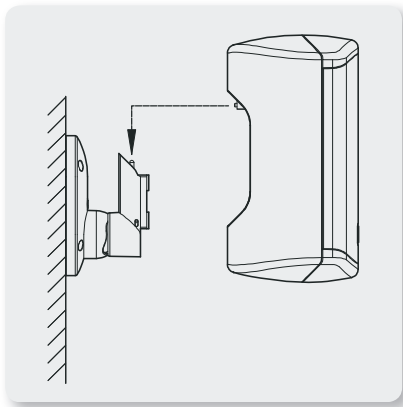
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### Internal Transformer

The TCI32-TR includes an internal line transformer with multiple taps for use in 70 and 100 Volt line distributed sound applications, as well as a direct 16 Ohm input for use with low-impedance amplifiers. Taps are provided at 30, 15, and 7.5 Watts on the 100 V line; 30, 15, 7.5, and 3.75 Watts on the 70 V line.



### Installation and Connectivity

The TCI32-TR is supplied with an adjustable wall mounting bracket that also provides the loudspeaker connections, allowing the brackets alone to be sited, installed, and wired in the early stages of building construction or remodeling – making final installation a greatly simplified and cost effective process. Threaded internal M6 rigging points are also provided for installation with [TURBOSOUND](#) wall and ceiling hardware, as well as industry standard brackets. A convenient  $\frac{3}{8}$ " mic stand fitting, hidden under the EPDM rubber cover on the bottom of the cabinet, allows affixing the TCI32-TR to a standard microphone stand for use as a 'spot monitor'.

### Designed to Weather the Elements

When permanently installed, the architecturally styled, glass filled and impact resistant TCI32-TR enclosure sports a classic semi matt black finish, which allows it to fit unobtrusively and elegantly into any environment. The included integral wall mounting bracket provides hidden cable management, completing the seamless visual presentation. The weatherised paint, zinc plated grill with outdoor powdercoat, and weather resistant coated drivers deliver an IP34 rated package that not only provides class-leading performance, but maintains its attractive appearance for many years.



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## You Are Covered

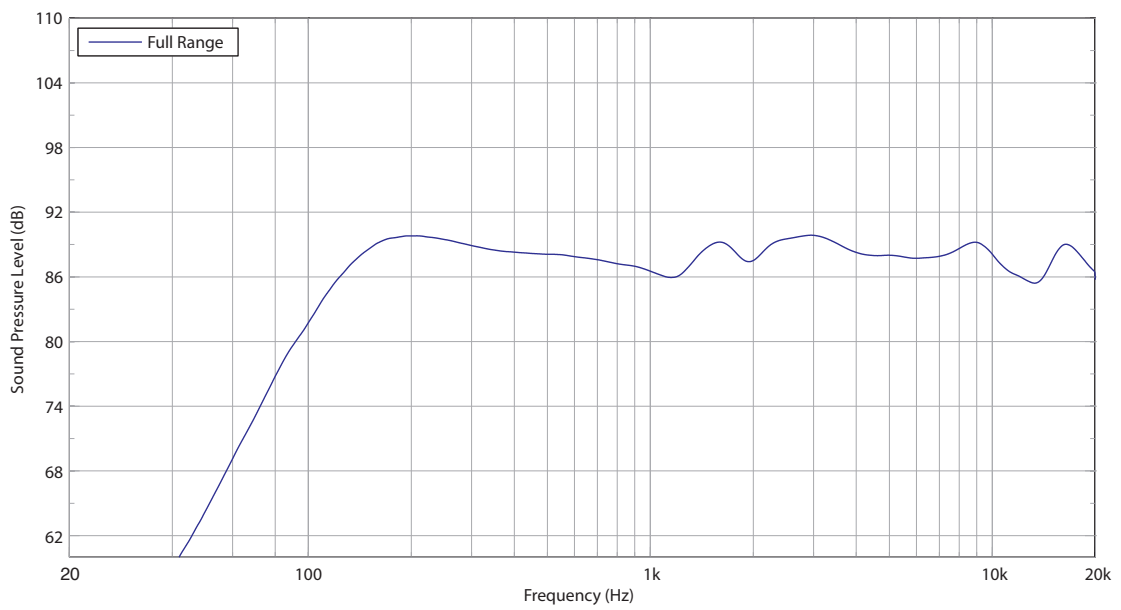
We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Group](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have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

Install Speakers

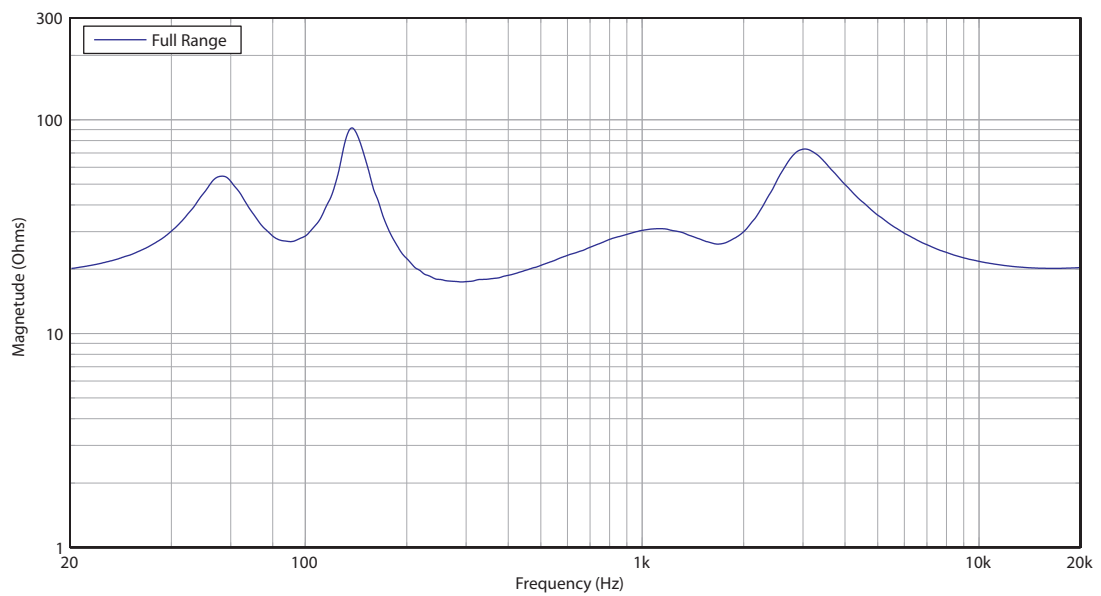
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## Frequency Response Sensitivity 1 W / 1 m



## Impedance

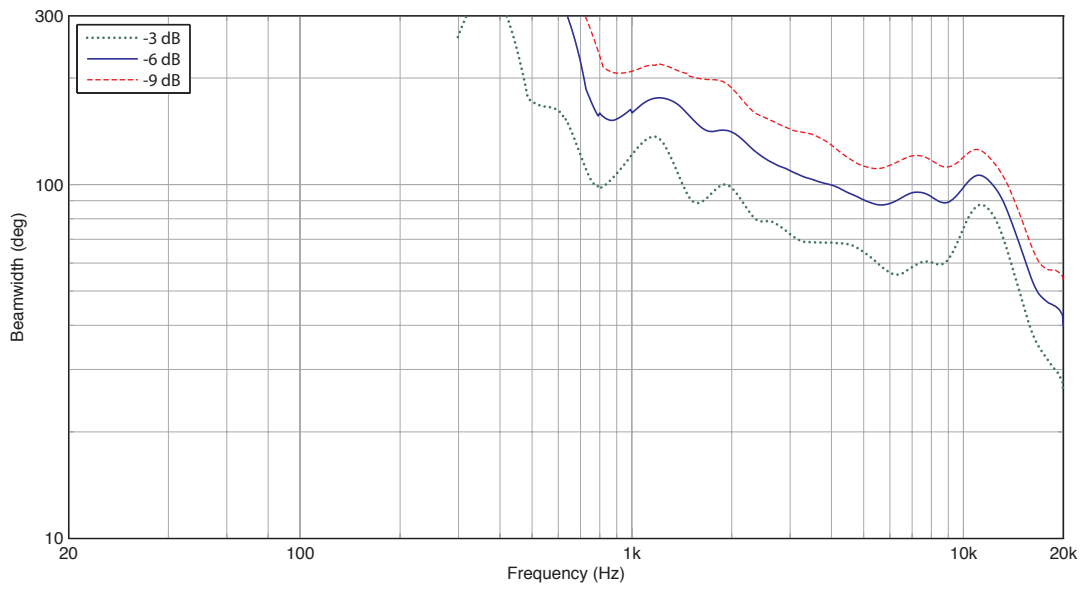


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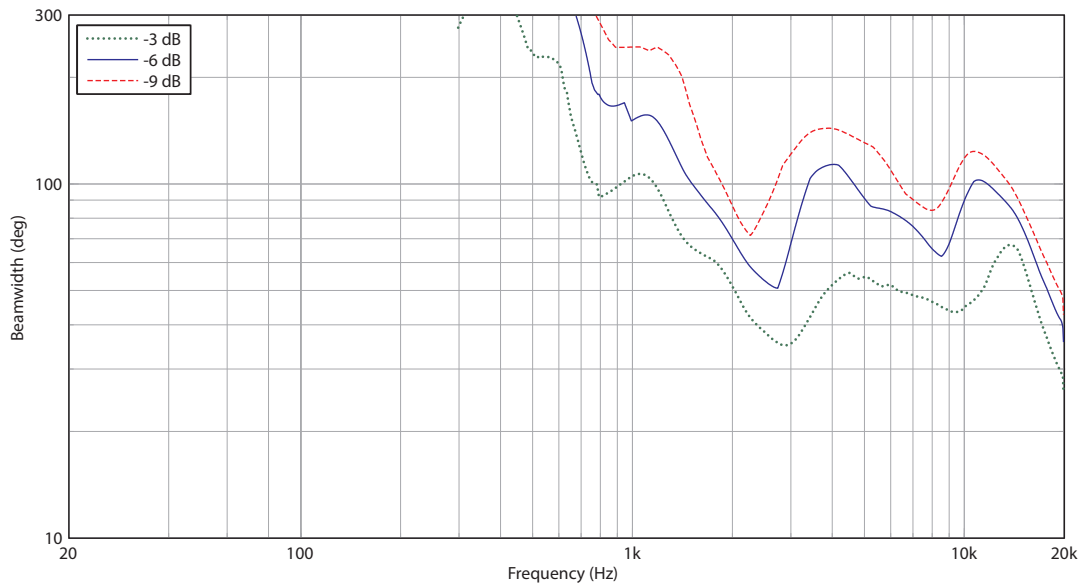
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## Horizontal Beamwidth



## Vertical Beamwidth

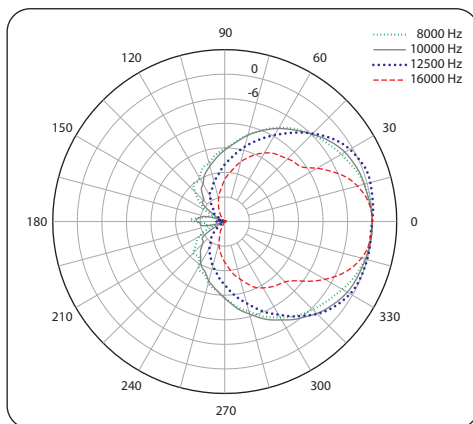
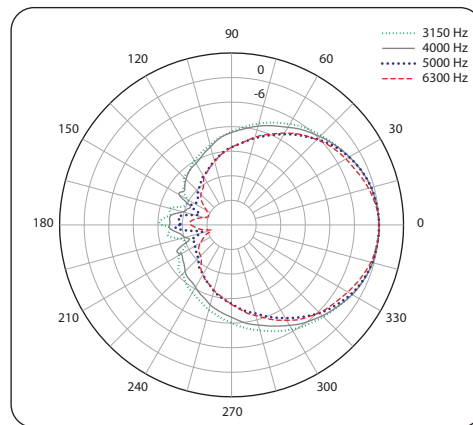
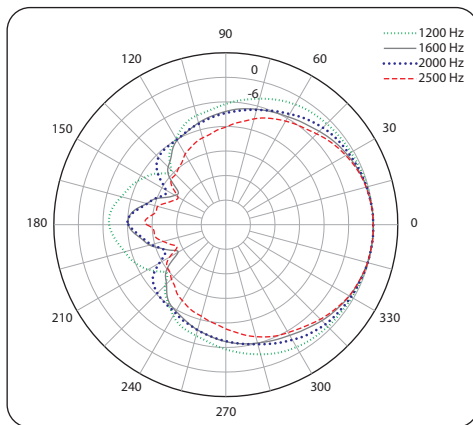
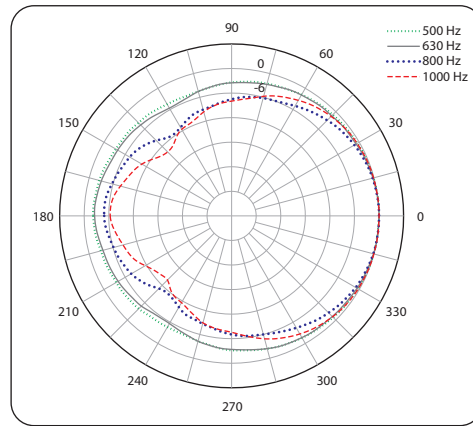
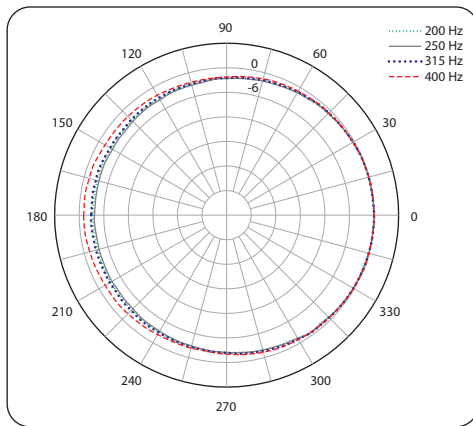


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## Horizontal Polar Plots

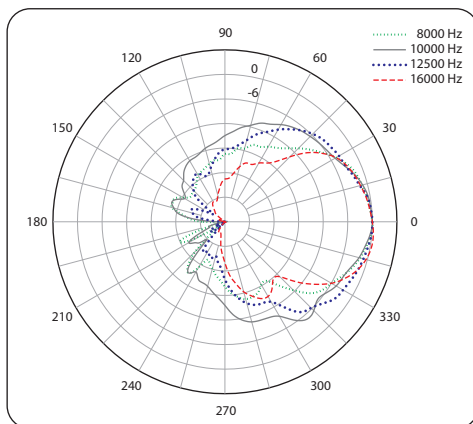
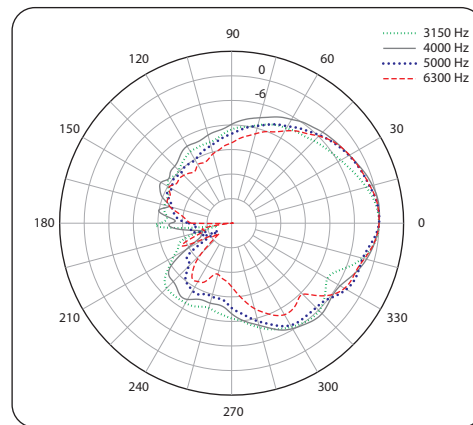
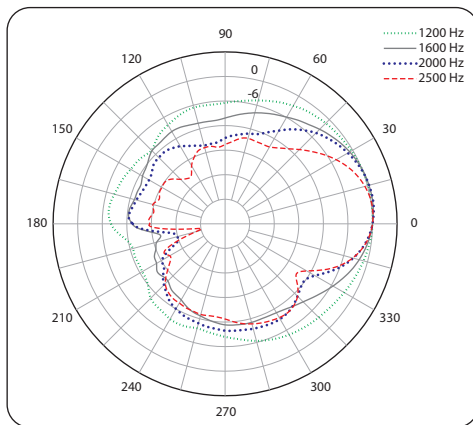
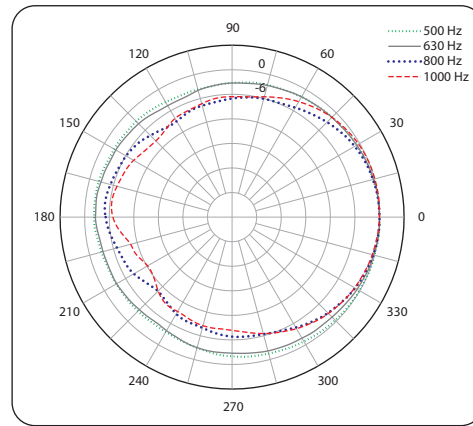
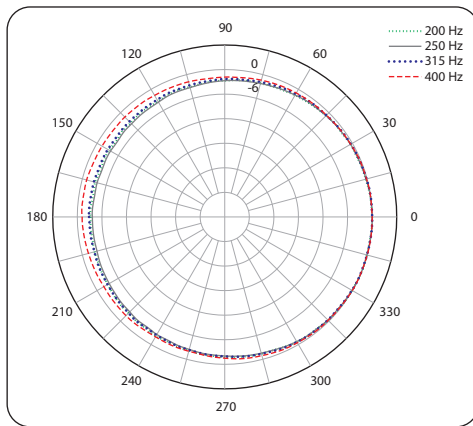


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## Vertical Polar Plots

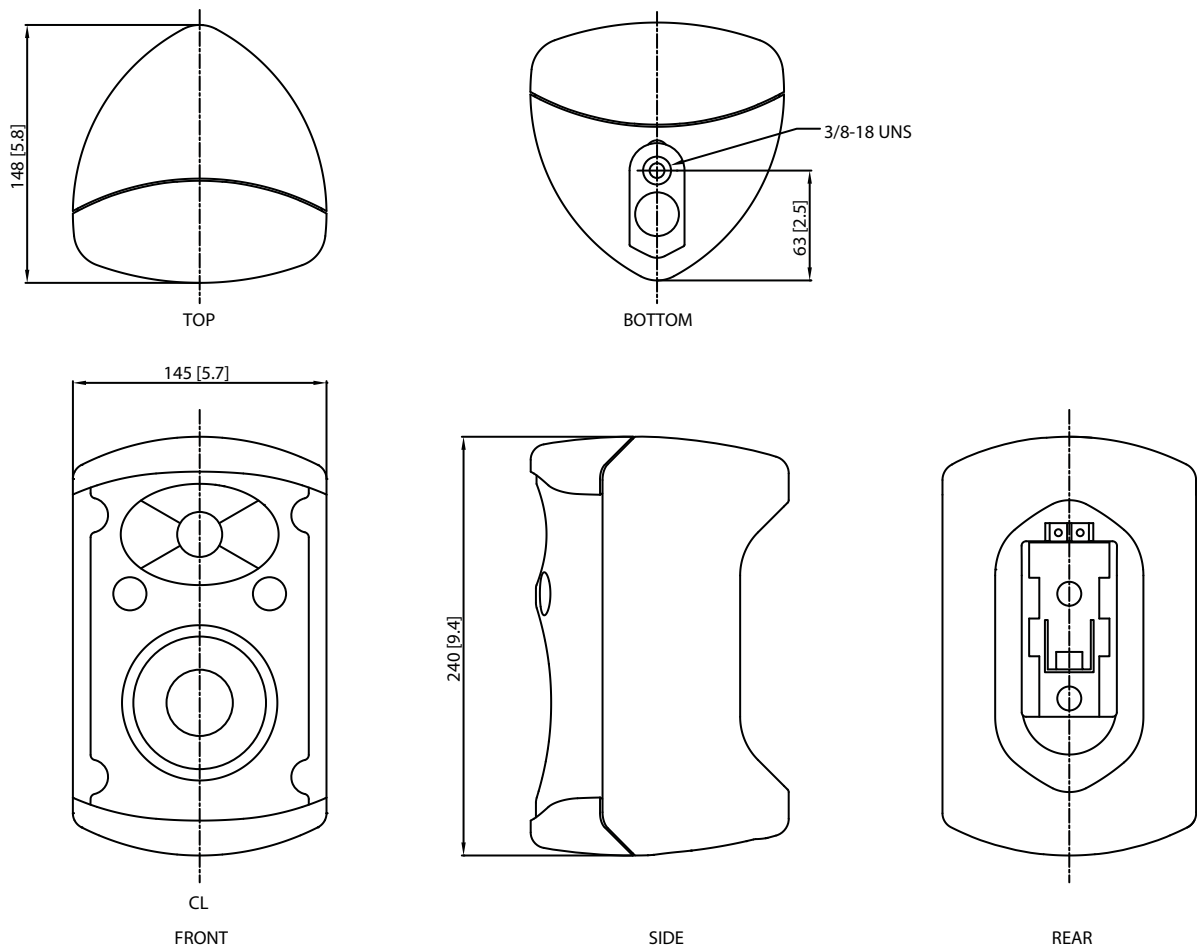


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## Dimensions





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## Technical Specifications

### System

<b>Frequency response</b>	90 Hz - 20 kHz $\pm$ 3 dB 70 Hz - 20 kHz -10 dB
<b>Nominal dispersion</b>	120° H x 100° V @ -6 dB points
<b>Power handling (IEC)</b>	
Passive	30 W continuous, 120 W peak
100 V line	30, 15, 7.5 W continuous
70 V line	30, 15, 7.5, 3.75 W continuous
<b>Sensitivity</b>	88 dB (1 W @ 1 m)
<b>Maximum SPL</b>	
Passive	103 dB continuous, 109 dB peak
100 V line	109, 106, 103 dB peak
70 V line	109, 106, 103, 100 dB peak
<b>Impedance</b>	16 $\Omega$
<b>Components</b>	1 x 3.5" (89 mm) LF driver 1 x 1" (25 mm) HF soft dome driver

### Enclosure

<b>Connectors</b>	Screw terminal block
<b>Wiring</b>	Input +VE, -VE
<b>Dimensions HWD</b>	240 x 145 x 148 mm (9.4 x 5.7 x 5.8")
<b>Net weight</b>	2.8 kg (6.2 lbs)
<b>Construction</b>	Gas injected, glass-filled moulded ABS enclosure
<b>Finish</b>	Black (white optional)
<b>Grille</b>	Powder coated perforated Zinc plated steel
<b>Flying hardware</b>	M6 x 2 points

### Accessories

Wall bracket - included

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## Architecture & Engineering Specifications

The system shall be of the passive two-way type consisting of one 3.5" (89 mm) low frequency driver and one 1" (25 mm) ferro-fluid cooled neodymium high frequency tweeter with integral line transformer and shall be supplied with an adjustable wall bracket providing integral electrical connections. The loudspeaker shall be weather resistant for outdoor use, to rating standard IP34. 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  $\pm 3$  dB from 90 Hz to 20 kHz, and within -10 dB from 70 Hz to 20 kHz. Nominal dispersion, at -6 dB points, shall average  $120^\circ$  H x  $100^\circ$  V. Nominal impedance shall be 16 ohms. Power handling shall be 30 watts continuous, 120 Watts peak. Sensitivity, measured with 1 Watt input at 1 metre distance on axis, mean averaged over stated bandwidth shall be 88 dB. Maximum SPL (peak) measured with music program input at stated amplifier power shall be 109 dB. Dimensions: 240 mm high x 145 mm wide x 148 mm deep (9.5" x 5.7" x 5.8"). Net weight: 2.8 kg (6.2 lbs). The loudspeaker system shall be the [TURBOSOUND IMPACT TCI32-TR](#). No other loudspeaker shall be acceptable unless submitted data from an independent test laboratory verifies that the above combined performance / size specifications are equalled or exceeded.

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For service, support or more information contact the TURBOSOUND location nearest you:

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