

Install Speakers

ATHENS TCS212B

Dual 12" Band Pass Subwoofer for
Installation Applications



- Dual band pass subwoofer for installation applications
- 800 Watts continuous, 3,200 Watts peak power
- High excursion 12" low frequency drivers with inside/outside wound coils
- Low distortion dual port design for maximum sound pressure level
- 15 mm (5/8") birch plywood enclosure with hard wearing semi matt black paint finish
- Integral M10 rigging points for ease of installation
- Neutrik speakON* NL4 and barrier strip connectors
- 3-Year Warranty Program**
- Designed and engineered in England

The 3,200-Watt TCS212B is a high performance dual 12" subwoofer system that is ideally suited for a wide range of speech and music sound reinforcement applications. Engineered to work in conjunction with TURBOSOUND loudspeaker management systems, the TCS212B provides very high output, extended low frequency performance from a compact enclosure.



The dual port band pass design ensures symmetrical high velocity and low turbulence airflow that yields reduced distortion both in the port and the drivers, which are loaded by identical compartments in a force-cancelling arrangement. Each of TCS212B's two high excursion 12" low frequency drivers utilize a specialised voice coil wound on both the inside and outside of the coil former for higher magnetic density, better heat dissipation, higher power handling capacity, and improved efficiency. The TCS212B generates ample amounts of high definition bass energy in a space saving form factor, regardless of its position in the room – even when placed beneath seating areas.

Finished in a highly durable semi matt black paint, the cabinet is constructed from 15 mm (5/8") birch plywood with integral M10 threaded rigging points. The rear connection plate carries a Neutrik speakON* NL4 connector and a barrier strip connector for input and link connections to additional enclosures.

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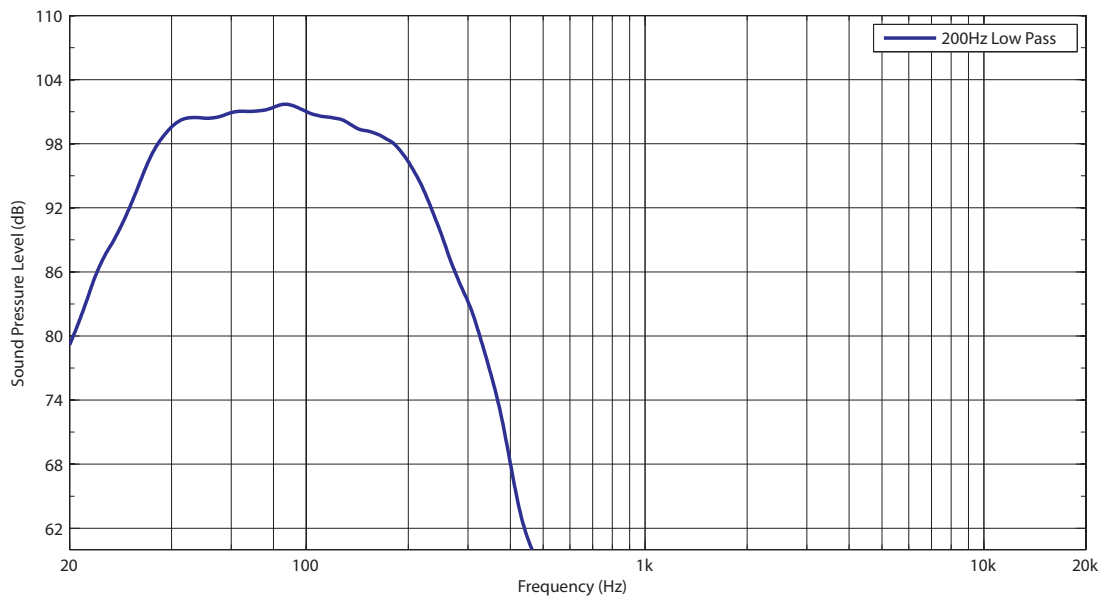
**Warranty details can be found at music-group.com.

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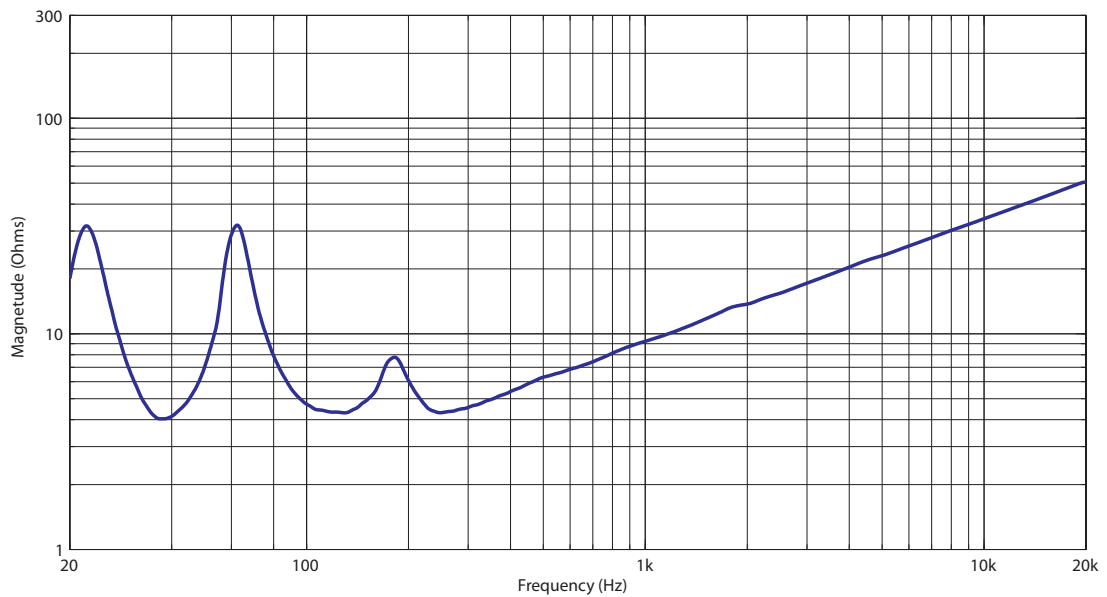
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Frequency Response Sensitivity 1 W / 1 m



Impedance

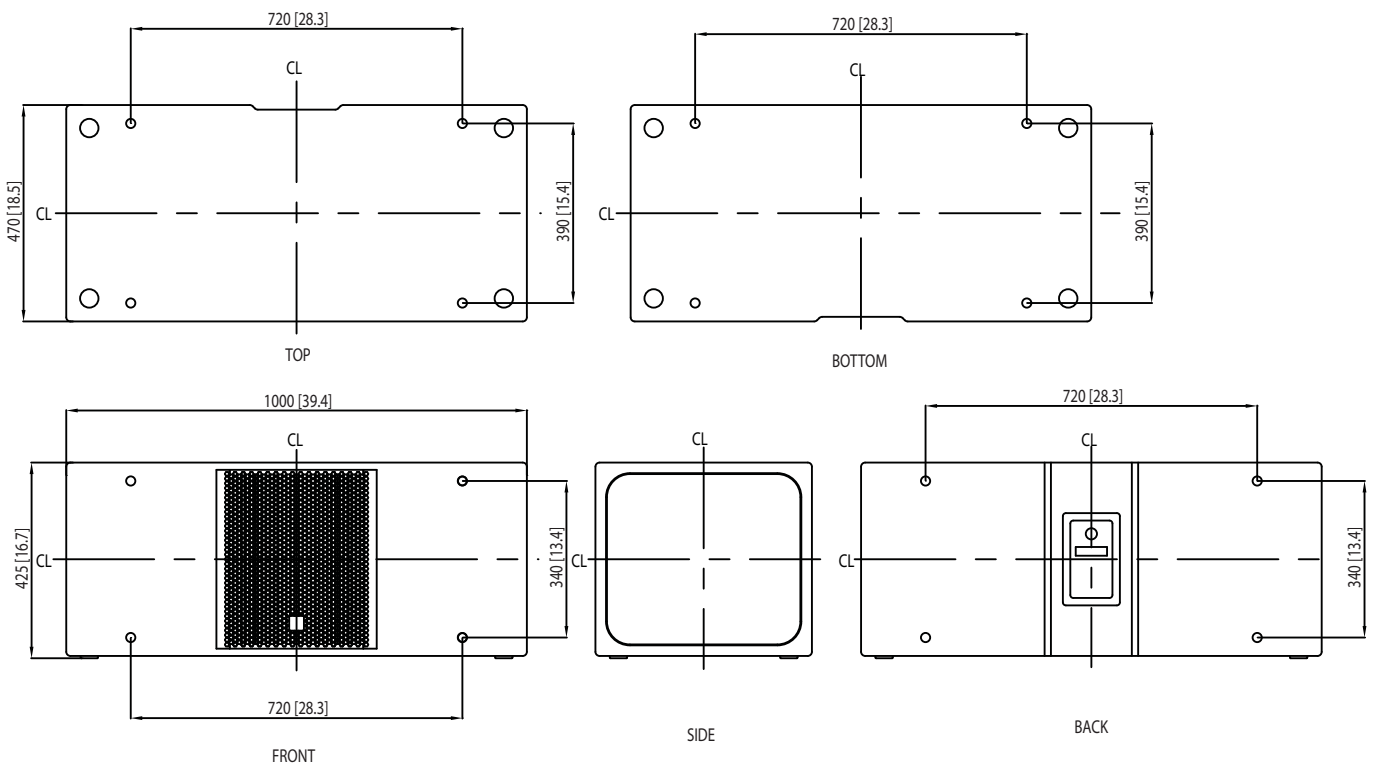


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Dimensions



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Technical Specifications

System

Frequency Response	38 Hz - 200 Hz \pm 3 dB 32 Hz - 200 Hz -10 dB
Nominal Dispersion	Half space
Power Handling (IEC)	800 W continuous, 3200 W peak
Sensitivity	100 dB (1 W @ 1 m)
Maximum SPL	129 dB continuous, 135 dB peak
Impedance	4 Ω
Components	2 x 12" (316 mm) LF driver

Enclosure

Connectors	1 x Neutrik speakON* NL4, 1 x barrier strip terminals
Parallel / No switch	Pins 1+ / 1- input, pins 2+ / 2- link
Dimensions HWD	420 x 1000 x 470 mm (16.5 x 39.4 x 18.5")
Net Weight	45.2 kg (99.6 lbs)
Construction	15 mm (5/8") birch plywood
Finish	Semi matte black paint
Grille	Powder-coated perforated steel
Flying Hardware	M10 x 16

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Architecture & Engineering Specifications

The speaker shall be of the passive subwoofer type consisting of two 12" (316 mm) LF drivers. 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 38 Hz to 200 Hz and within -10 dB from 32 Hz to 200 Hz. Nominal dispersion shall be "half space." Nominal impedance shall be 4 Ohms. Power handling shall be 800 Watts continuous, 3,200 Watts peak. Sensitivity, measured on axis, mean averaged over stated bandwidth, shall be 100 dB, 1 Watt @ 1 metre. Maximum SPL (peak), measured at 1 metre with music program at stated amplifier input, shall be 135 dB. Dimensions: 420 mm high x 1000 mm wide x 470 mm deep (16.5" x 39.4" x 18.5"). Net weight: 45.2 kg (99.6 lbs). The loudspeaker system shall be the TURBOSOUND TCS212B. 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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