

Install Speakers

ATHENS TCS218B

Dual 18" Front Loaded Subwoofer for
Installation Applications



- Dual front loaded subwoofer for installation applications
- 1,600 Watts continuous, 6,400 Watts peak power
- Double suspension 18" low frequency drivers with inside/outside wound coils
- Low distortion bass reflex port design
- 18 mm (¾") birch plywood enclosure with hard wearing semi matt black paint finish
- Architecturally styled powder coated perforated steel mesh grille
- Multiple internal rigging points allow secure mounting for installation
- Neutrik speakON* NL4 and barrier strip connectors
- 3-Year Warranty Program**
- Designed and engineered in England

The 6,400-Watt TCS218B is a high performance dual 18" subwoofer system designed for a wide range of speech and music sound reinforcement applications. Engineered to work in conjunction with TURBOSOUND loudspeaker management systems, the TCS218B provides extended FOH low frequency performance.



A bass reflex port design enclosure, the TCS218B features two high power, double suspension 18" low frequency drivers with a specialised voice coil wound on both the inside and outside of the coil former for higher magnetic density, heat dissipation, higher power handling capacity, and improved efficiency. The TCS218B subwoofer provides fast and accurate transient response for virtually distortion-free operation – even in the most demanding performances.

Finished in a durable semi matt black paint, the cabinet is constructed from 18 mm (¾") birch plywood – and includes a rugged powder coated perforated steel mesh grille backed with reticulated foam. Internal M10 threaded rigging points are provided, and 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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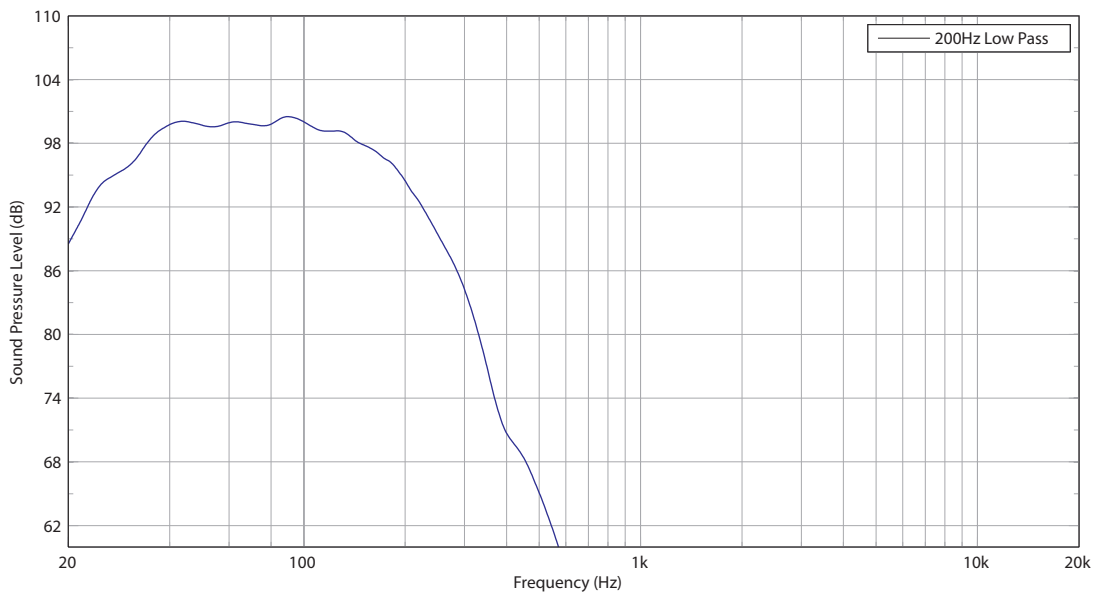
**Warranty details can be found at music-group.com.

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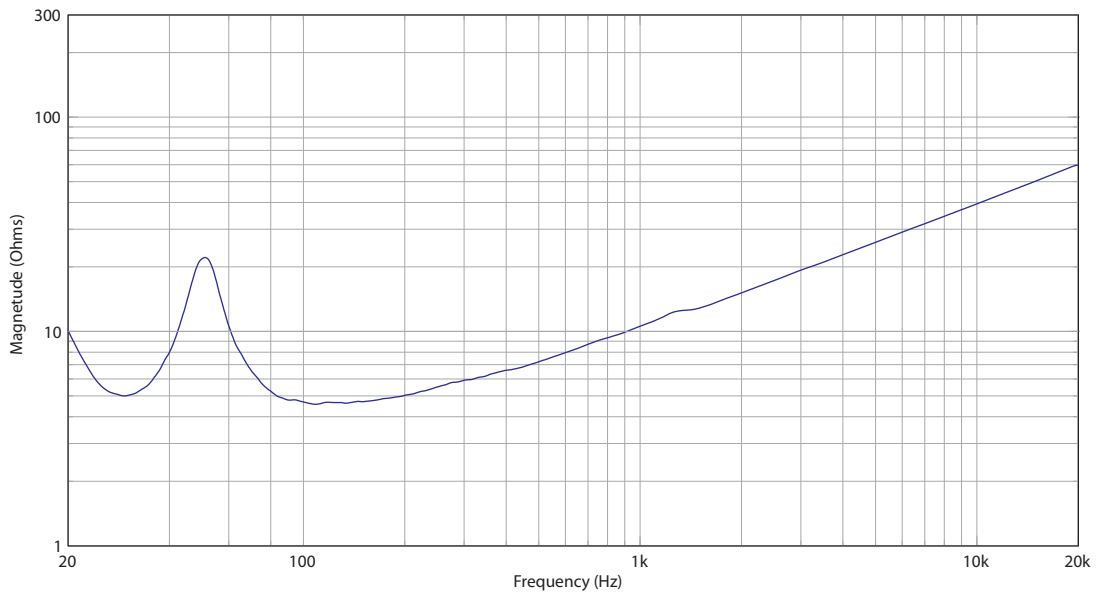
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Frequency Response Sensitivity 1 W / 1 m



Impedance

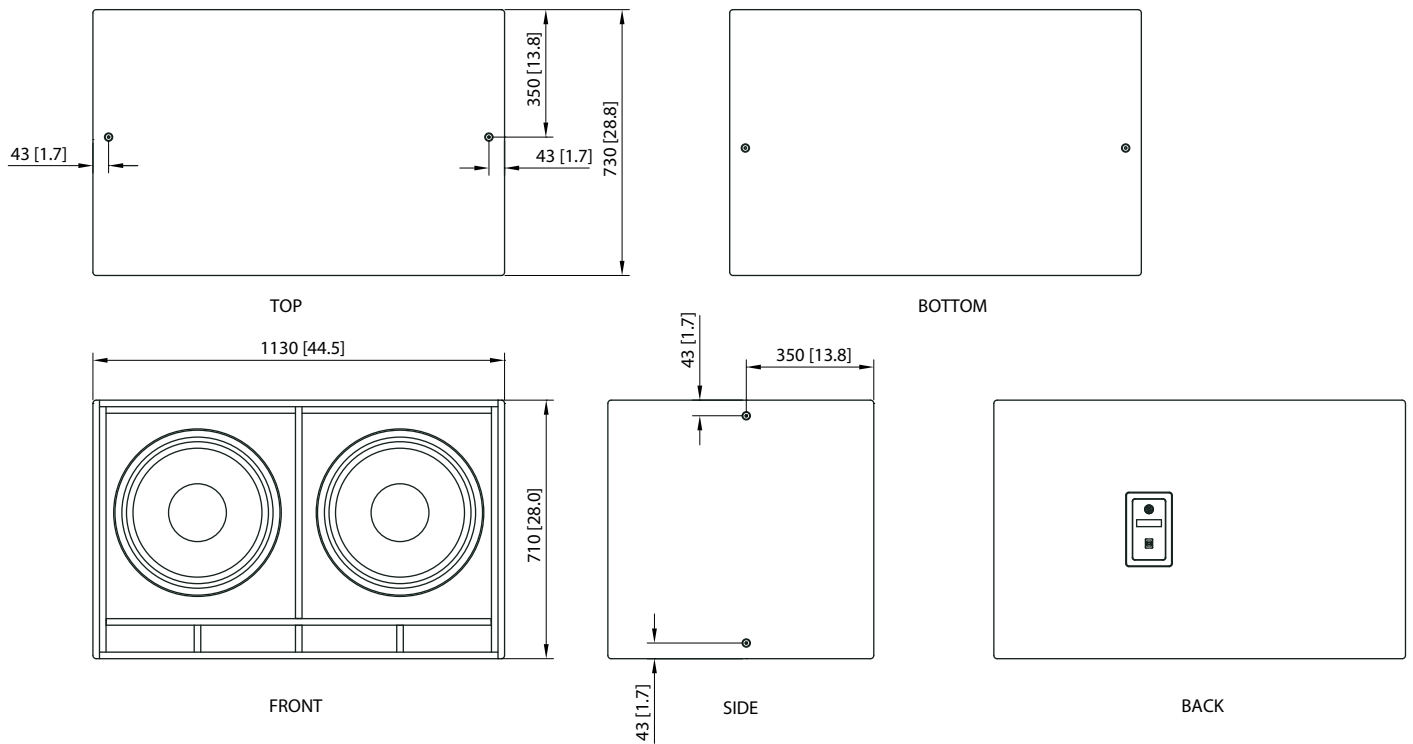


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Dimensions



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Technical Specifications

System

Frequency Response	33 Hz - 200 Hz \pm 3 dB 27 Hz - 200 Hz -10 dB
Nominal Dispersion	Half space
Power Handling (IEC)	1600 W continuous, 6400 W peak
Sensitivity	99 dB (1 W @ 1 m)
Maximum SPL	131 dB continuous, 137 dB peak
Impedance	Parallel: 4 Ω Discrete: 8 Ω x 2
Components	2 x 18" (460 mm) LF driver

Enclosure

Connectors	1 x Neutrik speakON* NL4, 1 x barrier strip terminals
Wiring	
Parallel / No switch	Pins 1+ / 1- input, pins 2+ / 2- link
Discrete	Pins 1+ / 1- input 1, pins 2+ / 2- input 2
Dimensions (HWD)	710 x 1130 x 730 mm (28.0 x 44.5 x 28.8")
Net Weight	93.5 kg (205.7 lbs)
Construction	18 mm (5/8") birch plywood
Finish	Semi matt black
Grille	Powder-coated perforated steel
Flying Hardware	M10 x 8

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Architecture & Engineering Specifications

The speaker shall be of the passive subwoofer type consisting of two 18" (460 mm) LF drivers, switchable to parallel or discrete operation. 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 33 Hz to 200 Hz and within -10 dB from 27 Hz to 200 Hz. Nominal dispersion shall be "half space." Nominal impedance shall be LF parallel: 4 Ohms, LF discrete: 8 Ohms x 2. Power handling shall be 1600 Watts continuous, 6,400 Watts peak. Sensitivity, measured on axis, mean averaged over stated bandwidth, shall be 99 dB, 1 Watt @ 1 metre. Maximum SPL (peak), measured at 1 metre with music program at stated amplifier input, shall be 137 dB. Dimensions: 710 mm high x 1130 mm wide x 730 mm deep (28.0" x 44.5" x 28.8"). Net weight: 93.5 kg (205.7 lbs). The loudspeaker system shall be the TURBOSOUND TCS218B. 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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