

## Install Speakers

# ATHENS TCS110B

10" Band Pass Subwoofer for  
Installation Applications



- Band pass subwoofer for installation applications
- 300 Watts continuous, 1,200 Watts peak power
- High excursion 10" low frequency driver with inside/outside wound coil
- 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 **TURBOSOUND** ATHENS TCS110B is a compact 1,200 Watt bandbass subwoofer designed to be used in a variety of installed sound system applications ranging from clubs and wine bars to theatres, themed environments and places of worship. It consists of a high excursion 10" low frequency driver with a specialised voice coil wound on both the inside and the outside of the coil former for higher magnetic density, which results in better cooling, higher power handling, and improved efficiency.



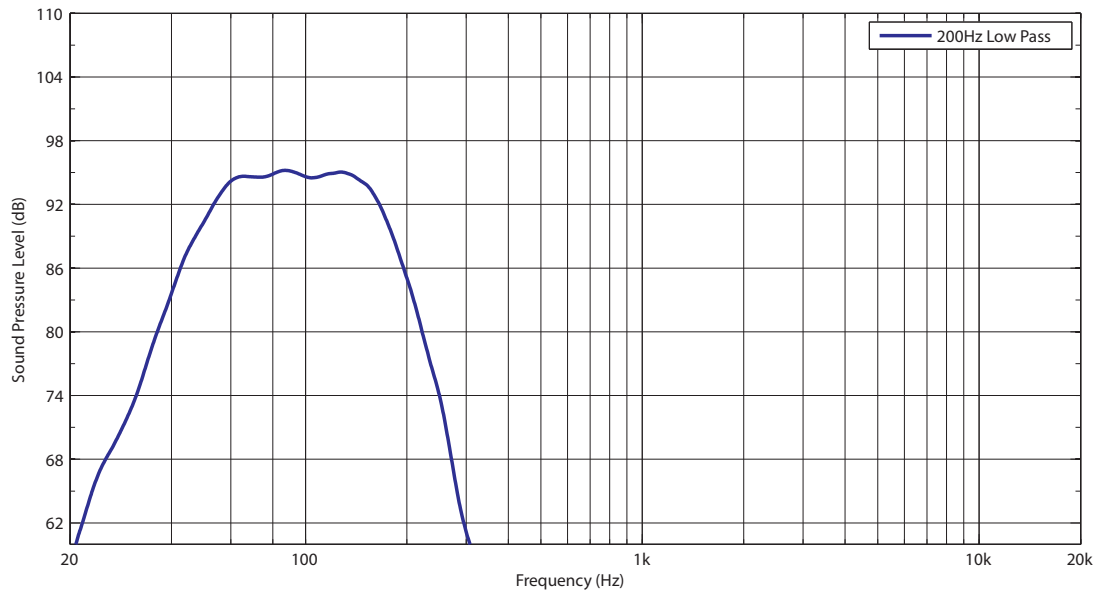
The 15 mm (5/8") birch plywood enclosure consists of two dissimilar compartments, optimally ported to produce substantial sub-bass energy from a cabinet of extremely modest dimensions, and is finished in hard wearing semi matt black or optional white paint. The TCS110B has been designed to fit into small spaces or architectural features where a conventional bass unit would be impractical, and can therefore be installed discreetly under bars or stages, or even underneath seating, without affecting sonic performance. Integral M10 rigging points are also provided for easy suspension in fixed installs. Neutrik speakON\* NL4 and barrier strip connectors are provided for input and link through connections.

Install Speakers

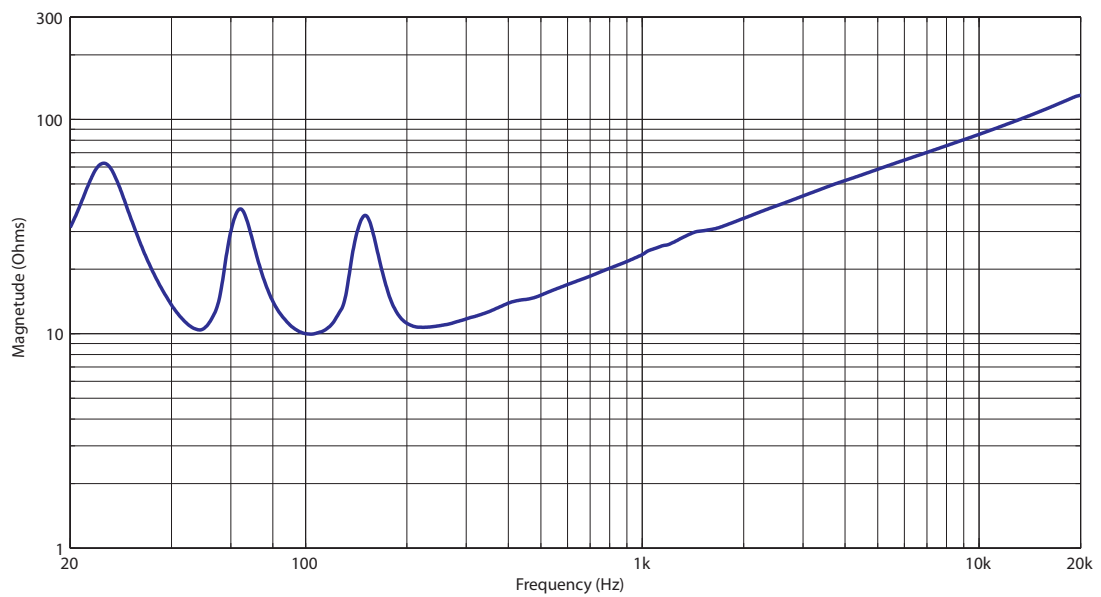
# ATHENS TCS110B

10" Band Pass Subwoofer for  
Installation Applications

## Frequency Response Sensitivity 1 W / 1 m



## Impedance

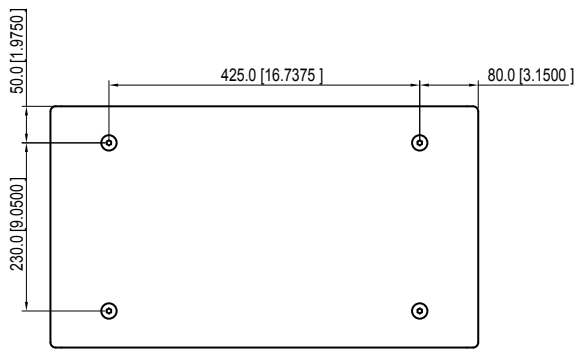


Install Speakers

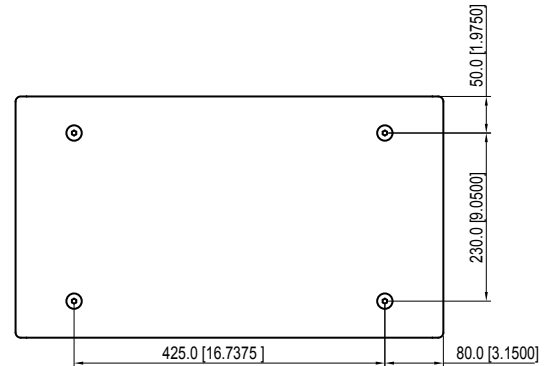
# ATHENS TCS110B

10" Band Pass Subwoofer for  
Installation Applications

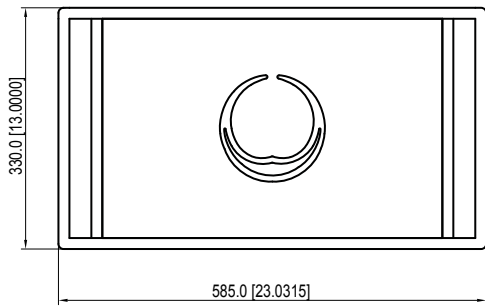
## Dimensions



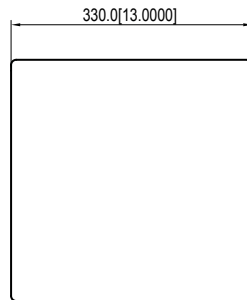
TOP



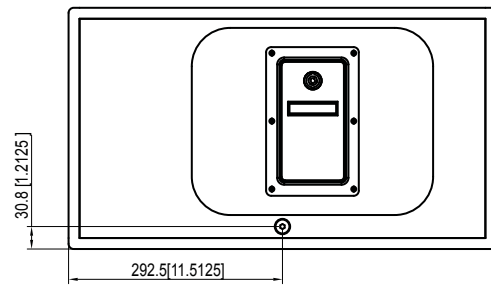
BOTTOM



FRONT



SIDE



REAR

## Install Speakers

# ATHENS

## TCS110B

10" Band Pass Subwoofer for  
Installation Applications

### Technical Specifications

#### System

Frequency Response	50 Hz - 150 Hz $\pm$ 3 dB 40 Hz - 200 Hz -10 dB
Nominal Dispersion	Half space
Power Handling (IEC)	300 W continuous, 1200 W peak
Sensitivity	94 dB (1 W @ 1 m)
Maximum SPL	119 dB continuous, 125 dB peak
Impedance	8 $\Omega$
Components	1 x 10" (262 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	—
Dimensions HWD	330 x 585 x 330 mm (13.0 x 23.0 x 13.0")
Net Weight	15.8 kg (34.8 lbs)
Construction	15 mm (5/8") birch plywood
Finish	Semi matt black paint
Grille	Powder-coated perforated steel
Flying Hardware	M10 x 8

## Install Speakers

# ATHENS TCS110B

10" Band Pass Subwoofer for  
Installation Applications

## Architecture & Engineering Specifications

The speaker shall be of the passive subwoofer type consisting of one 10" (262 mm) LF 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  $\pm 3$  dB from 50 Hz to 150 Hz and within -10 dB from 40 Hz to 200 Hz. Nominal dispersion shall be "half space." Nominal impedance shall be 8 Ohms. Power handling shall be 300 Watts continuous, 1,200 Watts peak. Sensitivity, measured on axis, mean averaged over stated bandwidth, shall be 94 dB, 1 Watt @ 1 metre. Maximum SPL (peak), measured at 1 metre with music program at stated amplifier input, shall be 125 dB. Dimensions: 330 mm high x 585 mm wide x 330 mm deep (13.0" x 23.0" x 13.0"). Net weight: 15.8 kg (34.8 lbs). The loudspeaker system shall be the [TURBOSOUND TCS110B](#). 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.



### 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

# ATHENS TCS110B

10" Band Pass Subwoofer for  
Installation Applications



Install Speakers

# ATHENS TCS110B

10" Band Pass Subwoofer for  
Installation Applications



Install Speakers

# ATHENS TCS110B

10" Band Pass Subwoofer for  
Installation Applications



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

**Europe**  
**MUSIC Group Services UK**  
Tel: +44 156 273 2290  
Email: CARE@music-group.com

**USA/Canada**  
**MUSIC Group Services NV Inc.**  
Tel: +1 702 800 8290  
Email: CARE@music-group.com

**Japan**  
**MUSIC Group Services JP K.K.**  
Tel: +81 3 6231 0454  
Email: CARE@music-group.com

MUSIC Group accepts no liability for any loss which may be suffered by any person who relies either wholly or in part upon any description, photograph, or statement contained herein. Technical specifications, appearances and other information are subject to change without notice. All trademarks are the property of their respective owners. MIDAS, KLARK TEKNIK, LAB GRUPPEN, LAKE, TANNØY, TURBOSOUND, TC ELECTRONIC, TC HELICON, BEHRINGER, BUGERA and DDA are trademarks or registered trademarks of MUSIC Group IP Ltd.  
© MUSIC Group IP Ltd. 2016 All rights reserved.