ES2.6 Technical Data Sheet

Introduction

The ES2.6 (8 ohms) is a double 15", high output subwoofer designed for the ES Series speaker system. Using new concepts in twin asymmetrical acoustic chambers they deliver very highspeaker loading and intense output from a relatively small cabinet footprint. Reproducing low frequencies with very high transient content, they are ideal for use in live applications or as part of a five way ES system utilising VHD1.21 and 2.21 subwoofers. Together with the ES1.0 and EPAK2500/R, the ES2.5/2.6 delivers the highest dynamic range of any other comparable system providing new levels of clarity, depth and resolution.

Features

- Professional, Baltic birch construction with highly resistant polymer coating
- 137dB sustained output 140dB peak (when using 2 units of ES2.6)
- High acoustic loading via twin asymmetrical chambers
- Two 15" low frequency drivers with 4" (100 mm) inside/outside, epoxy baked, high temperature voice coil assembly
- Four proprietary side handles for simlified handling and carrying
- Heavy duty front grille to work with the innovative new ES series magnetic carts
- High-impact, low friction feet are asymmetrically located on two sides allowing vertical or horizontal system set up, lock-in and easy cabinet movement
- Six industrial grade internal corner braces with twelve M10 suspension points
- M20 top hat for pole mounting applications
- Weather proofing option and special paint finishes available on request

Application

Specifically designed to accompany the ES1.0 as a true full range high output system for live performance and music

- Theatres
- Houses of worship
- Portable PA
- Scalable into larger systems
- Can be integrated with other ES subwoofers

System Acoustic Perfomance	
Max SPL Long-term	132dB (137dB - 2x ES2.6)
Max SPL Peak	135dB (140dB - 2x ES2.6)
-3dB Response	38Hz to 130Hz
-10dB Response	34Hz to 130Hz
Impedance	8Ω
Crossover Point	130Hz
Low Frequency Section	
Acoustic Design	Twin Asymmetrical loading
Number of drivers	2
Subwoofer Amplifier Requirement	800W / ES2.6 from EPAK2500/R
Woofer Size / Voice Coil Diameter / Design	15" / 4" / Inside Outside
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Ferrite

Speaker Input	
Speaker Input	AP4
Speaker Output	
Speaker Output	AP4
Cabinet	
Cabinet Material	Baltic birch
Handles	4
Pole Mount	M20
Color	"Orange peeled" Matt Black or any RAL
Physical Dimensions	
Height	600 mm (23.62")
Width	700 mm (27.55")
Depth	750 mm (29.52")
Weight	74,7 kg (163.1lbs)

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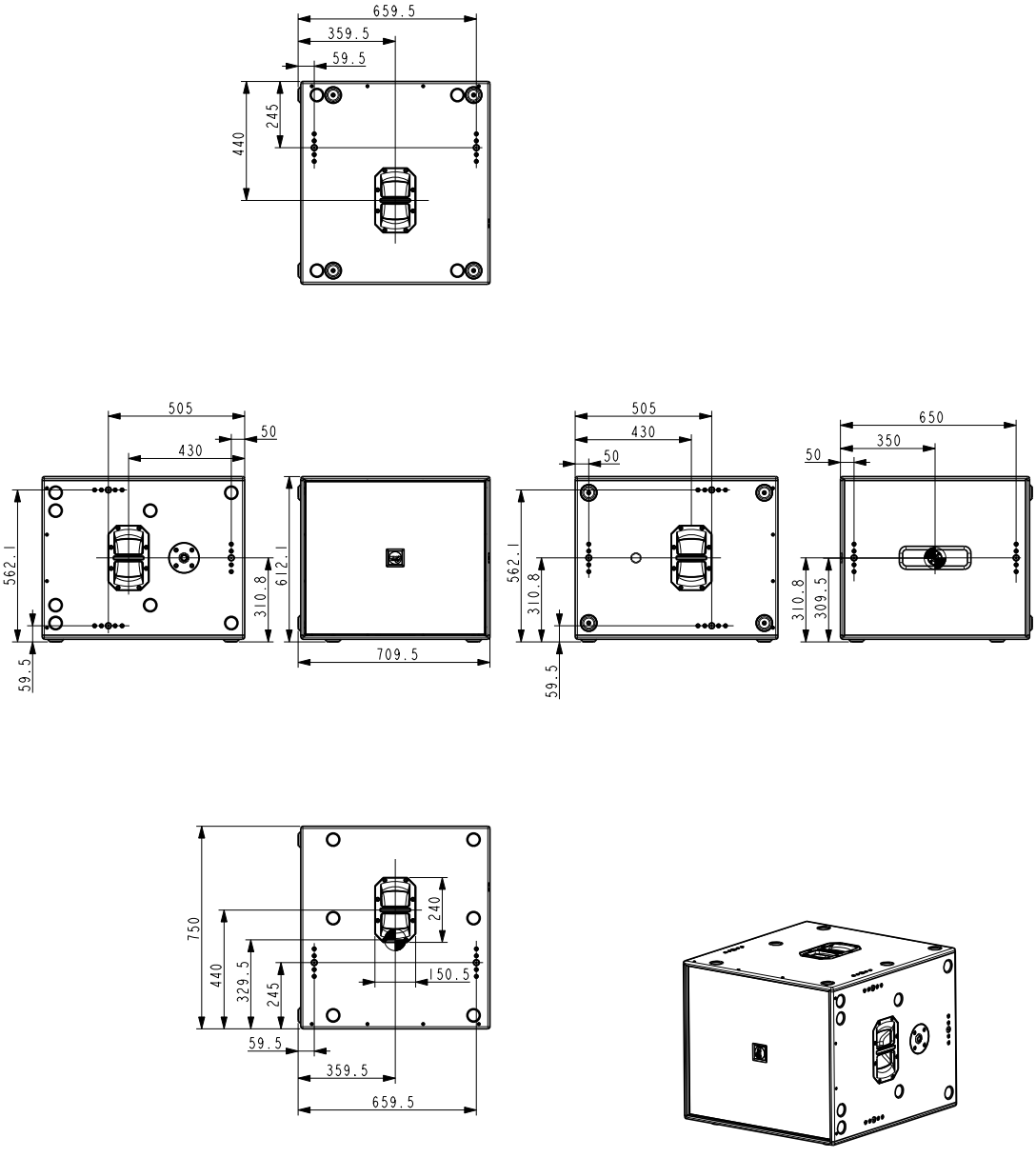
Architectural Specifications

The bass module loudspeaker system shall incorporate two 15-inch low frequency (LF) transducer with ferrite motors and 4-inch polymide, high-termperature voice coils. The LF driver shall be mounted inside a compact wood enclosure with twin asymmetrical chambers.
The loudspeaker enclosure shall have a rectangular shape and shall incorporate, four side handles and integrated internal braces with twelve M10 suspension points. The speaker cabinet shall be finished with an ultra wear resistant black polymer coating and fitted with a weather resistant perforated steel grill. The system shall receive power from a separate Amplifier and Control Module consisting of separate power amplifiers for high, mid-range and mid-bass transducers as well as signal processing including electronic low pass crossover filters, phase alignment, time corrections, equalization and speaker protection. The speaker system shall connect to the Amplifier and Control Module via proprietary cables terminated in Amphenol AP4 connectors. The bass module shall be the KV2 Audio ES2.5 or ES2.6.

Dimensional Drawings



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