

ES1.5 Technical Data Sheet

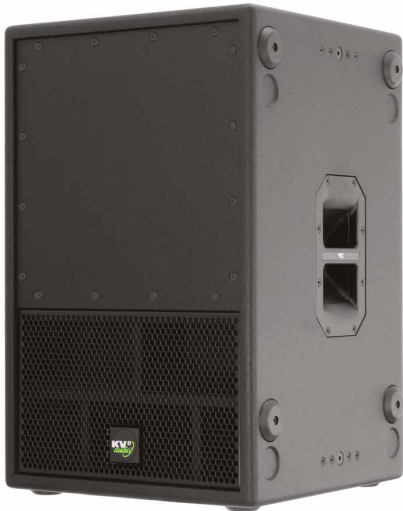
Product code: KVV 987 003

Introduction

The ES1.5 is a single 15", extremely compact, high output subwoofer weighing just 30.8 kg (67.9lbs) designed as part of the ES Series speaker system. Used singularly or in multiples of up to three, alongside a single ES1.0 mid high cabinet, the system is powered by the EPAK2500/R Amplifier ensuring fast, easy set up with perfect balance and complete control. The EPAK2500/R also allows up to two ES1.5's to be used alongside an ES1.8, where the ES1.5 can either be flown alongside an ES1.0 or ground stacked with the ES1.8.

Features

- Professional Baltic birch construction with highly resistant polymer coating
- 127dB sustained output / 130dB peak per unit and 134dB / 137dB peak when using 3 units
- Acoustic loading via Asymmetrical Bandpass
- 15" bass driver with 3" (76 mm) inside/outside, epoxy baked, high temperature voice coil assembly and ferrite magnetic structure
- Proprietary side handle design for simplified handling and carrying
- High-impact low friction feet, asymmetrically located on three sides allowing vertical or horizontal system set up, lock-in and easy cabinet movement
- Four internal corner braces tied to eight M10 suspension points.
A total of 24 suspension points are available for custom installation applications
- Weather proofing option and special paint finishes available on request



Application

Specifically designed to accompany and compliment the ES1.0 as a true full range compact system

- Portable PA
- Fixed Installations
- Bars and Nightclubs
- Houses of worship
- Can be integrated with other ES subwoofers

System Acoustic Perfomance	
Max SPL Long-term	127dB (134dB - 3x ES1.5)
Max SPL Peak	133dB (137dB - 3x ES1.5)
-3dB Response	40Hz to 130Hz
-10dB Response	36Hz to 130Hz
Impedance	16Ω
Crossover Point	130Hz
Low Frequency Section	
Acoustic Design	Twin Asymmetrical loading
Subwoofer Amplifier Requirement	500W / ES1.5 from EPAK 2500/R
Woofer Size / Voice Coil Diameter / Design	15" / 3" / 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	2
Color	"Orange peeled" Matt Black or any RAL
Physical Dimensions	
Height	700 mm (27.55")
Width	450 mm (17.71")
Depth	450 mm (17.71")
Weight	35.7 kg (78.7lbs)

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Architectural Specifications

The bass module loudspeaker system shall incorporate one 15-inch low frequency (LF) transducer with neodymium motor. The LF driver shall be mounted inside a compact wood enclosure in between asymmetrical bandpass with horn shaped exits tuned for optimum bass response. The loudspeaker enclosure shall have a rectangular shape and shall incorporate, two side handles with integrated M10 points, one top and bottom M10 suspension point and integrated internal braces with eight M10 suspension points on the back.

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 band pass crossover filters, phase alignment, time correction, 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 ES1.5.

Dimensional Drawings

