

# ESD1.15 Technical Data Sheet

## Introduction

The ESD1.15 is a passive subwoofer system featuring a single 15" ferrite woofer with a 600W power handling capability. Offering peak SPL of 130dB the ESD1.15 produces considerable output yet in true KV2 style retains a compact footprint. Multiple units of ESD1.15's can be stacked together to create a powerful and scalable subwoofer system.

## Features

- Professional, Baltic birch construction with wear resistant polymer coating
- 127dB sustained output, 130dB peak
- Excellent reproduction of bass frequencies with high transient content at high output levels
- 15" high output, low frequency driver with 3" (75 mm) inside/outside, epoxy baked, high temperature, voice coil assembly and ferrite magnetic structures
- Two recessed side handles for simplified handling and carrying
- Pole mount M20
- Non-threaded 35 mm Pole mount adaptor available as accessory KVV987290
- Thermal breaker protection with autoreset

Product code: **KVV 987 241**



## Application

**Specifically designed as a passive subwoofer to accompany any of the ESD range to create true full range system performance**

- Fixed installation
- Portable PA
- Bars-small entertainment projects
- Scalable into larger systems

### System Acoustic Performance

Max SPL Long-term	127dB
Max SPL Peak	130dB
-3dB Response	37Hz to 150Hz
-10dB Response	34Hz to 170Hz
Recommended Power	600W
Sensitivity	99dB (half-space area)
Impedance	4Ω
Crossover Point	80Hz to 150Hz

### Low Frequency Section

Acoustic Design	Twin Asymmetrical loading
Number of Drivers	1
Woofer Size / Voice Coil Diameter / Design	15" / 3" / Inside Outside
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Ferrite
Protection	Thermal breaker - autoreset

### Speaker Input

Speaker Input	2x Neutrik Speakon®, Terminal Block
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### Cabinet

Cabinet Material	Baltic birch
Handles	2
Pole Mount	M20
Flyware	8x M10 suspension points
Color	"Orange peeled" Matt Black or any RAL

### Physical Dimensions

Height	510 mm (20.08")
Width	550 mm (21.65")
Depth	570 mm (22.44")
Weight	34.2 kg (75.4lbs)

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## Architectural Specifications

The Loudspeaker shall be a Twin Chamber Bass Reflex design using SLA Technology (Super Live Audio) and shall be driven and controlled by a dedicated matched Amplifier (ESP2000, ESP4000 or alternatively with a third party amplifier of the users choice).

The Loudspeaker enclosure shall consist of one 15" Ferrite magnet structure Low Frequency-high definition-output driver.

The cabinet enclosure shall be made from reinforced Baltic Birch Ply, with toughened impact and wear resistant paint finish.

The enclosure shall include four high impact, low friction feet on the bottom panel.

The enclosure shall incorporate a recessed connection panel and will be fitted with a double input/output Speakon locking connector.

A 4 pole barrier strip will be incorporated in the connection panel to allow bare wire connection.

The Loudspeaker shall have a maximum long term sound pressure level of 127dB, a total peak power handling capacity of 600W and a measured on axis frequency response of 37Hz to 150Hz (-3dB).

The Enclosure dimensions shall be: 510 mm /20.8" x 550 mm /21.65" x 570 mm /22.44"

The Enclosure shall not exceed a weight of 34.2 kg /75.4lbs.

The Loudspeaker shall be the KV2 Audio ESD1.15.

The dedicated Amplifier shall be the KV2 Audio ESP2000/4000 – (Or alternative third party amplifier).

## Dimensional Drawings

