

ESD1.12 Technical Data Sheet

Introduction

The ESD1.12 is a passive version of the active EX1.2 12" subwoofer and features the same high quality ferrite woofer. This subwoofer's low profile and size makes it ideal for discreet applications. With power handling of 600 watts the ESD1.12 is capable of delivering tight, fast, controlled bass response at high output levels from a compact cabinet.

Features

- Professional, Baltic birch construction with wear resistant polymer coating
- 124dB sustained output, 127dB peak
- Excellent reproduction of bass frequencies with high transient content at high output levels
- 12" 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 auto reset



Application

Specifically designed as a passive subwoofer to accompany and compliment the ESD5/6 as a true full range system

- For fixed installation
- Bars-small entertainment projects
- Small footprint and dimensions allow placement under seating and fixtures

System Acoustic Performance	
Max SPL Long-term	124dB
Max SPL Peak	127dB
-3dB Response	38Hz to 150Hz
-10dB Response	34Hz to 170Hz
Recommended Power	600W
Sensitivity	97 dB (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	12" / 3" / Inside Outside
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Ferrite
Protection	Thermal breaker - autoreset

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

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	379.5 mm (14.94")
Width	800 mm (31.49")
Depth	400 mm (15.75")
Weight	26.7 kg (58.8lbs)

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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 12" 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 124dB, have a total peak power handling capacity of 600W and have a measured on axis frequency response of 38Hz to 150Hz (-3dB).

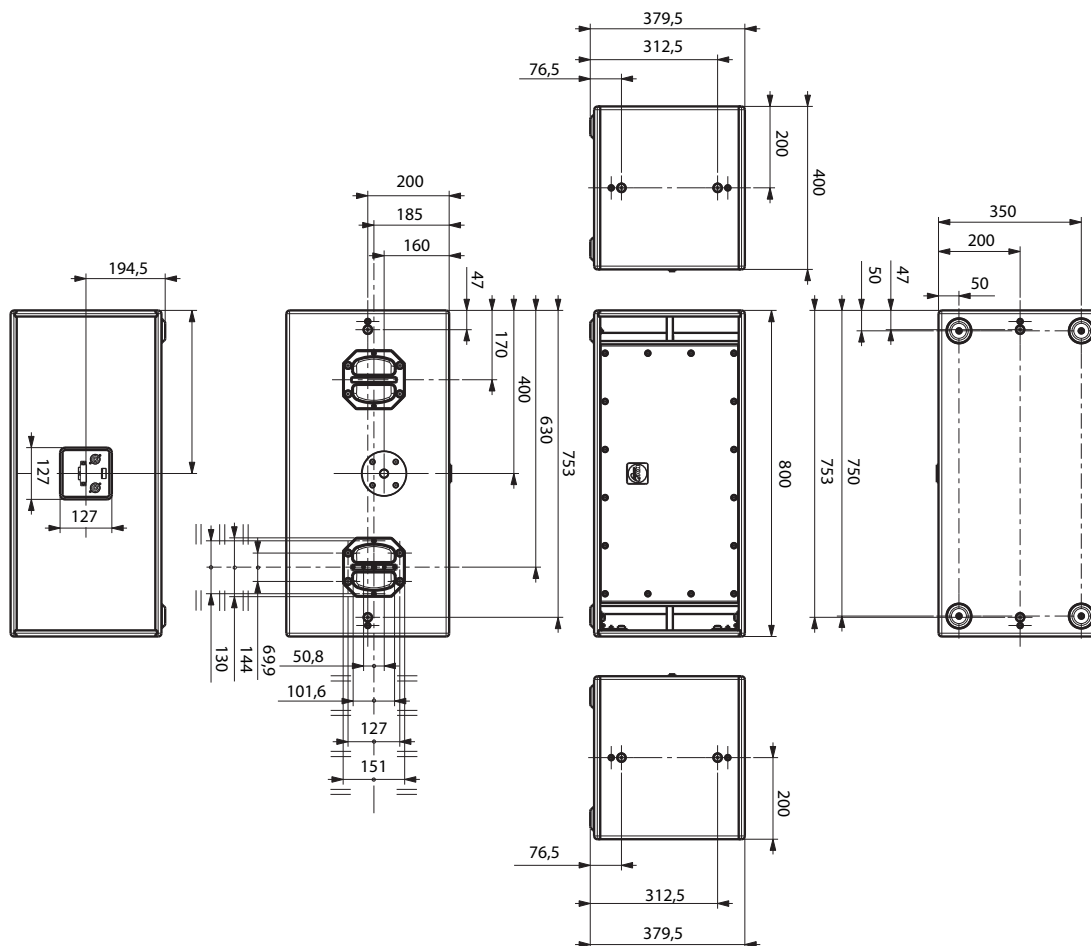
The Enclosure dimensions shall be: 379.5 mm /14.94" x 800 mm /31.49" x 400 mm /15.75"

The Enclosure shall not exceed a weight of 26.7 kg /58.8lbs.

The Loudspeaker shall be the KV2 Audio ESD1.12.

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

Dimensional Drawings



The future of sound. Made perfectly clear.



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