

ESD1.18 Technical Data Sheet

Introduction

The ESD1.18 is the passive version of the incredible active EX1.8. The ESD1.18 features neodymium woofer with power handling capabilities of 1000W which makes a firm foundation from which to build an incredibly powerful ESD system, or as a stand alone subwoofer to enhance any existing passive or active system.

Features

- Professional, Baltic birch construction with wear resistant polymer coating
- 131dB sustained output, 134dB peak
- Excellent reproduction of bass frequencies with high transient content at high output levels
- 18" high output, low frequency driver with 4" (100 mm) inside/outside, epoxy baked, high temperature, voice coil assembly and neodymium 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

Product code: KVV 987 242



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 Perfomance	
Max SPL Long-term	131dB
Max SPL Peak	134dB
-3dB Response	30Hz to 150Hz
-10dB Response	28Hz to 170Hz
Recommended Power	1000W
Sensitivity	100dB
Impedance	8Ω
Crossover Point	70 to 150Hz
Low Frequency Section	
Acoustic Design	Twin Asymmetrical loading
Number of Drivers	1
Woofer Size / Voice Coil Diameter / Design	18" / 4" / Inside Outside
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Neodymium
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	612 mm (24.1")
Width	700 mm (27.56")
Depth	750 mm (29.5")
Weight	52 kg (114.7lbs)

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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 Controller (ESP2000, ESP4000 or alternatively with a third party amplifier of the users choice).

The Loudspeaker enclosure shall consist of one 18" Neodymium 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 131dB, have a total peak power handling capacity of 1000W and have a measured on axis frequency response of 30Hz to 150Hz (-3dB), 27Hz to 150Hz (-10dB).

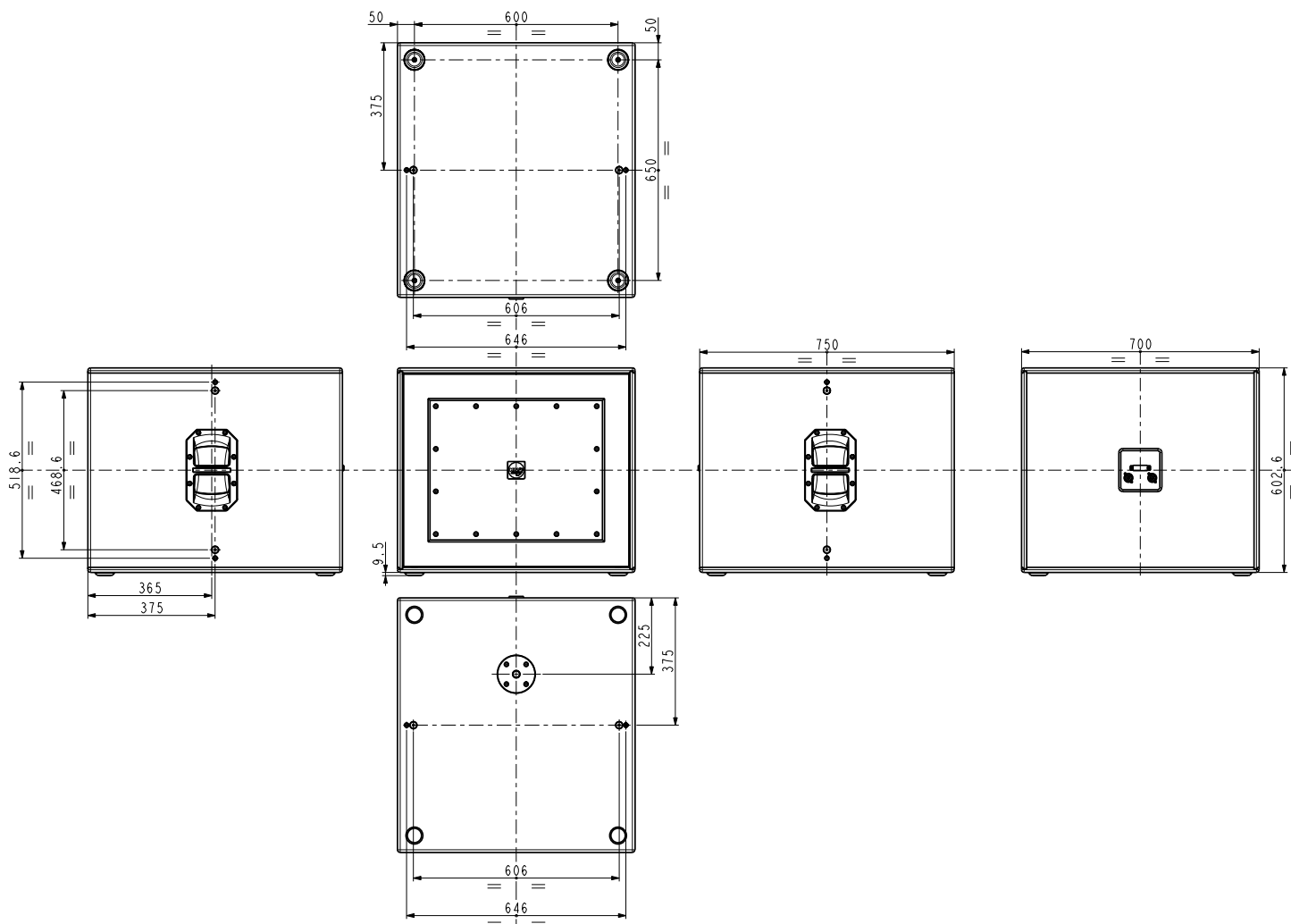
The Enclosure dimensions shall be: 612 mm /24.1" x 700 mm /27.56" x 750 mm /29.5"

The Enclosure shall not exceed a weight of 52 kg /114.7lbs.

The Loudspeaker shall be the KV2 Audio ESD1.18.

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

Dimensional Drawings



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