EX1.5 Technical Data Sheet

Product code: KVV 987 264 - 230V, KVV 987 265 - 115V

Introduction

The EX1.5 is a compact active subwoofer system featuring a single 15" neodymium woofer and a 500-watt high efficiency power amplifier. Offering a peak SPL in excess of 133dB, the EX1.5 produces considerable output, yet in true KV2 style retains a small footprint. A great all round subwoofer that will compliment any speaker system with tight and dynamic bass. Designed to be both robust and easily transported, the EX1.5 sets the standard in active single 15" subwoofers.



Features

- Single 15" neodymium woofer
- 500-watt high efficiency power amplifier
- Peak SPL in excess of 133dB
- Small and compact footprint
- Designed to be both robust and easily transported

Application

Specifically designed to accompany and compliment the EX10 / EX12 as a true full range high output system

- Portable PA applications
- Fixed Installations
- Scalable into multiple-larger systems
- Easy to add to existing systems

System Acoustic Perfomance	
Max SPL Long-term	127dB
Max SPL Peak	133dB
-3dB Response	38Hz to 120Hz
-10dB Response	34Hz to 120Hz
Crossover Point	120Hz

Low Frequency Section	
Acoustic Design	Twin Asymmetrical loading
Woofer Size / Voice Coil Diameter / Design	15" / 3" / Inside Outside
Diaphragm Material	Epoxy Reinforced Cellulose
Magnet Type	Neodymium
Protection	RMS Limiter

Low Frequency Amplifier Specification	
Type	High efficiency, Current-Enhancing, Switched-Rail Amplifier
Rated Continuous Power	500W
Distortion	<0.05%

Signal Input	
Input Sensitivity	1.0V RMS
Input Impedance	20 kΩ

Cabinet	
Cabinet Material	Baltic birch
Handles	2
Pole Mount	M20
Color	"Orange peeled" Matt Black or any RAL

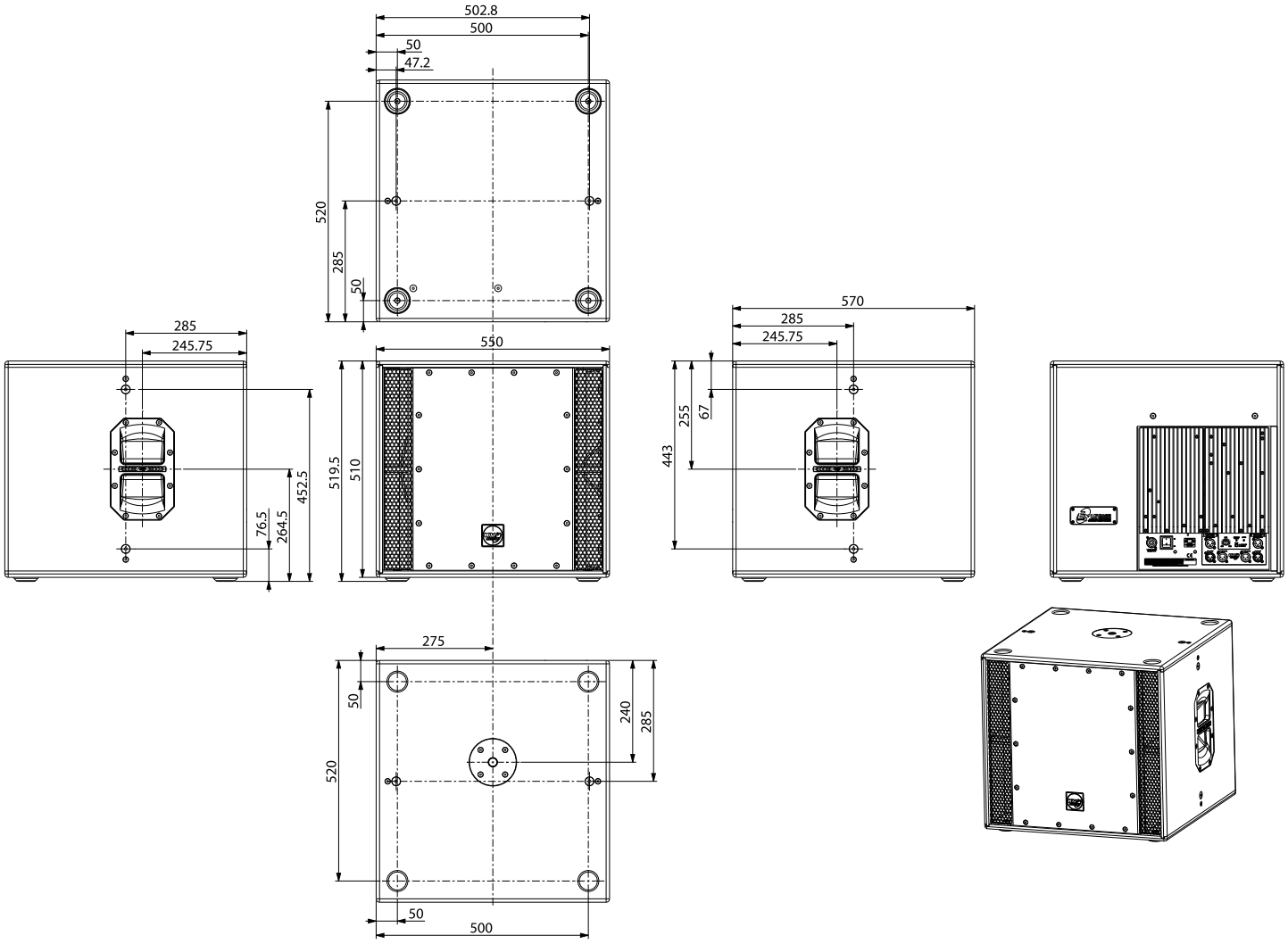
Physical Dimensions	
Height	510 mm (20.08")
Width	550 mm (21.65")
Depth	570 mm (22.44")
Weight	40.6 kg (89.5lbs)

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Architectural Specifications

The Loudspeaker shall be a Twin Chamber Bass Reflex design using SLA Technology (Super Live Audio), Amplifier, power, electronic crossovers, phase alignment, equalisation and speaker protection are integrated into the EX1.5's amplifier module.
The Loudspeaker enclosure shall consist of one 15" 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 EX1.5 Amplifier shall use balanced female XLR connectors for Audio signal input and male XLR connectors to provide through output signal.
The EX1.5 shall feature left and Right High Pass Outputs that can be used to provide audio signal to mid-high speakers being used in conjunction with the EX1.5. The High Pass filter shall provide a crossover point of 120Hz. The EX1.5 features a phase switch that changes the polarity phase of the high pass output audio signal.
The EX1.5 Amplifier shall have a Neutrik PowerCon conenctor for mains supply, with an operating voltage range of 100 to 120v @60Hz or 230 to 250v @50Hz. The power amplifier shall have a recommended operating amperage of 6A @115v/3A @230v.
A temperature controlled variable speed fan will assist internal convection cooling systems.
The system acoustic performance shall be -3db 38Hz - 120Hz. The system maximum long term SPL shall be 127db.
The speaker shall have dimensions of : Height 510mm / 20.08" Width 550mm / 21.65" Depth 570mm / 22.44".
The weight shall not exceed 40.6 kg (89.5lbs).

Dimensional Drawings



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