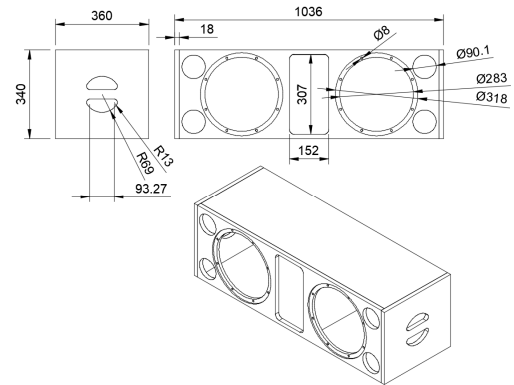
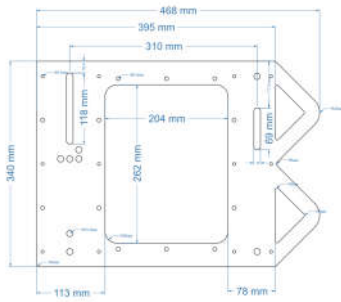


BURIA212 – Engineering Data Sheet



BURIA212 is a 3-way active design sound system, using 2xLF/MF 12" neodymium custom loudspeakers and 2xHF neodymium compression drivers with 4" voice coil and aluminium alloy diaphragm coupled in own developed custom waveguide. The two 12" speakers are used to provide additional directivity control in horizontal plane.

The cabinet is made of premium quality 18mm Baltic birch plywood, reinforced and braced heavily, and is completely resonance free. A four point rigging systems is integrated into the cabinet.

BURIA212 operates over the nominal frequency range of 48Hz to 19kHz. Its low frequency response can be reinforced with dedicated **SUB18** enclosures so the system bandwidth can be extended down to 30Hz

BURIA212 is a Linear Phase system – this means that every single frequency in the operating band is delivered in the same time – without usual crossover delays associated with conventional sound systems. Even more – you can play a square wave through the system and it looks like square wave on the oscilloscope.

BURIA212 is designed to be used in clusters up to 12 enclosures and is suitable for mid to large scale events and concerts in open air or in big halls. It is provided with dedicated amplification from **Lab Gruppen** manufacturer.

Technical Specifications:

Frequency bandwidth (-10dB)	48Hz-19kHz
Phase (+/- 45degrees)	62Hz-20kHz
Maximum SPL (in free field conditions, 1m, using pink noise with crest factor 4)	147dB SPL
Maximum SPL (in half space, 1m, using pink noise with crest factor 4)	153dB SPL
Horizontal coverage angle	100 degrees +/- 45 degrees using software presets
Vertical coverage angle	Depends of system configuration and number of elements
RMS power handling:	LF: 2x800W program power HF: 2x240W program power Total: 2080W per enclosure
Connectors	2x Neutrik NL8 in/link
Dimensions	34/104/36cm
Material:	18mm Baltic Birch Plywood
Weight:	78kg