

LA122WA Architectural Specifications

The loudspeaker shall be a self powered, 2-way line array element comprising of one high power 12" (304.8 mm) reflex loaded low frequency transducer with a neodymium ring magnet assembly and two neodymium compression drivers.

The low frequency transducer shall be constructed on a rigid metal frame, with a 3" (76 mm) copper voice coil. The high frequency compression driver shall have a 1.4" (35.6 mm) horn throat diameter with a 3" (76 mm) voice coil and shall project its sound through a waveguide with a symmetrical horn mouth. The crossover frequency for these drivers shall be 1150 Hz through an internal passive network.

The loudspeaker shall have an incorporated class D amplifier with two channels, a DSP for control of each channel and incorporate network potential for remote monitoring and control. The power supply shall operate from 180 V to 245 V AC.

The typical characteristics of a unit shall be; the directivity pattern shall be 120° horizontal by 15° at minus 6 dB; the frequency response shall be from 58 Hz to 19 kHz with a low frequency extension of 48 Hz at minus 10 dB; the maximum output shall be 129 dB with a peak output of 135 dB measured in full space.

The cabinet shall be constructed of 15 mm laminated birch plywood finished with a durable semi-matte black textured polyurethane coating. The rear of the cabinet shall have two NL2 connectors. It shall have integrated 4-point rigging system for arraying with multiple cabinets with an adjustable splay angles of 11.5° and 15°. External dimension of the complete unit shall be 602 x 350 x 465 mm (23.7" x 13.8" x 18.3") and it shall have a net weight of 35.6 kg (78.5lb).

The loudspeaker shall be the LA122WA by NEXT-proaudio.