

LA210x Architectural Specifications

The loudspeaker shall be a self powered, 3-way line array comprising of two high power 10" (254 mm) reflex loaded low frequency transducer with a neodymium magnet assembly and a two way mid-high coaxial radiator neodymium compression driver.

The low frequency transducer shall be constructed on a rigid metal frame, with a 3" (76 mm) voice coil, wound with aluminium on a glass fibre former. The mid and high frequency coaxial ring radiator shall have a 1.4" (35.6 mm) horn throat diameter with a 3" (76 mm) mid frequency voice coil and a 2" (51 mm) high frequency voice coil and shall project its sound through a oblate spheroid waveguide with a symmetrical horn mouth.

The loudspeaker shall have an incorporated class D amplifier with three channels, two independent power modules and a DSP for control of each channel. The amplifier shall provide a total of 2000 W output and incorporate network potential for remote monitoring and control. The power supply shall employ UREC Universal Mains Switch Mode Power Supply with Power Factor Correction and Standby Converter operate from 100 V to 240 V, 50/60 Hz AC.

The typical characteristics of a unit shall be; the directivity pattern shall be 100° horizontal by 10° vertical from 300 Hz to 16 kHz; the frequency response shall be from 58 Hz to 19 kHz with a low frequency extension of 54 Hz at minus 10 dB; the maximum output shall be 136 dB with a peak output of 142 dB measured in full space using AES76 standard.

The cabinet shall be constructed of 15 mm laminated birch plywood finished with a durable semi-matte black textured polyurethane coating. It shall have integrated 3-point rigging system for arraying with multiple cabinets with an adjustable splay angle of 0° to 10° in 1° intervals. External dimension of the complete unit shall be 720 x 350 x 550 mm (28.3" x 13.8" x 21.7") and it shall have a net weight of 37 kg (81.6lb).

The loudspeaker shall be the LA210x by NEXT-proaudio.