

A&E SPECIFICATIONS

45N12



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The loudspeaker shall be a 2-way full-range system operating in a Baltic birch cabinet. It shall have one high excursion 12"x3" Neodymium LF driver. Its performances are modified by a patented structure known as Phase Directivity Device, PDD™; the net effect of this structure reduces the acoustic spacing of each 12" by nearly half; in a word the PDD shall be a waveguide for the LF component. The HF Neodymium driver, mounted on a 22.5° hyperboloid reflective wave-source (HRW™), shall have a 3" Titanium diaphragm and a 1.4" exit.

The cabinet dimensions shall be 392 mm H x 492 mm W x 576 mm D (15.43" H x 19.37" W x 22.67" D), and it shall weigh 24 kg (53 lbs). The cabinet shall be available in black paint.

Frequency response shall be 55Hz – 19kHz, +/-3dB or 50Hz – 20kHz at -6dB. The 1W/1m sensitivity shall be 106dB SPL and the peak output shall reach up to 140dB. The system shall have an internal passive or active crossover with a crossover point of 1kHz. The nominal impedance shall be 8 ohms in passive mode, LF shall be 8 ohms and HF shall be 16 ohms in active mode.

The connector panel shall include 2 NL4 4-pole SPEAKON's, wired so that output is present on pins 2+/2-; the other pair shall pass through to sub-bass models via pins 1+/1- in passive mode; LF output shall be present on pins 1+/1- and HF shall be present on pins 2+/2- in active mode. Both NL4's shall be wired in parallel to each other.

The full-range system shall be the NEXO 45N12.

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The logo for NEXO, featuring the word "NEXO" in a bold, black, sans-serif font. The letter 'X' is stylized with a diagonal slash through it.