

# A&E SPECIFICATIONS

## PS Series



## **PS8**

The loudspeaker shall be a 2-way full-range system operating in a Baltic birch cabinet. It shall have one 8"x2" self-shielded Neodymium LF driver and one 1.4" titanium diaphragm / self-shielded Neodymium HF driver with a 1" exit mounted on a low distortion, constant directivity asymmetrical dispersion horn.

Horizontal dispersion shall range from 50° to 100° and vertical dispersion shall be +25°/-30°. Users shall be able to rotate the horn in 4x directions, in 90° increments, as required by the application.

The cabinet dimensions shall be 406 mm H x 250 mm W x 219mm D (15.98" H x 9.84" W x 8.62" D), and it shall weigh 7.5kg (16.5 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 69Hz – 19kHz +/-3dB or 62Hz – 20kHz at -6dB. The 1W/1m sensitivity shall be 96dB SPL and the peak output shall reach up to 125dB. The system shall have an internal passive crossover with a crossover point of 2.5kHz. The nominal impedance shall be 8 ohms.

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-. Both NL4's shall be wired in parallel to each other.

The full-range system shall be the NEXO PS8.

## **PS10R2**

The loudspeaker shall be a 2-way full-range system operating in a Baltic birch cabinet. It shall have one 10"x2.5" self-shielded Neodymium LF driver and one 1.7" PI diaphragm / Neodymium HF driver with a 1" exit mounted on a low distortion, constant directivity asymmetrical dispersion horn.

Horizontal dispersion shall range from 50° to 100° and vertical dispersion shall be +25°/-30°. Users shall be able to rotate the horn in 4x directions, in 90° increments, as required by the application.

The cabinet dimensions shall be 515 mm H x 316 mm W x 277 mm D (20.28" H x 12.44" W x 10.91" D), and it shall weigh 14 kg (31 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 65Hz – 20kHz +/-3dB or 58Hz – 21kHz at -6dB. The 1W/1m sensitivity shall be 99dB SPL and the peak output shall reach up to 132dB. The system shall have an internal passive crossover with a crossover point of 2kHz. The nominal impedance shall be 8 ohms.

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-. Both NL4's shall be wired in parallel to each other.

The full-range system shall be the NEXO PS10R2.

## **PS15R2**

The loudspeaker shall be a 2-way full-range system operating in a Baltic birch cabinet. It shall have one high excursion 15"x3" Neodymium LF driver and one 3" Titanium diaphragm HF driver with a 2" exit mounted on a low distortion, constant directivity asymmetrical dispersion horn.

Horizontal dispersion shall range from 50° to 100° and vertical dispersion shall be +25°/-30°. Users shall be able to rotate the horn in 4x directions, in 90° increments, as required by the application.

The cabinet dimensions shall be 675 mm H x 434 mm W x 368 mm D (26.57" H x 17.08" W x 14.48" D), and it shall weigh 28 kg (62 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 50Hz – 18kHz +/-3dB or 47Hz – 18kHz at -6dB. The 1W/1m sensitivity shall be 102dB SPL and the peak output shall reach up to 136dB. The system shall have an internal passive or active crossover with a crossover point of 1.1kHz. 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 PS15R2.

### **LS400**

The subwoofer shall be a band pass tuned design operating in a Baltic birch cabinet. It shall have one high excursion 12"x 3" self-shielded Neodymium driver.

The cabinet dimensions shall be 338 mm H x 500 mm W x 406 mm D (13.31" H x 19.61" W x 15.98" D), and it shall weigh 19.5 kg (43 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 43Hz – 120Hz +/-3dB or 40Hz – 140Hz at -6dB. The 1W/1m sensitivity shall be 99dB SPL and the peak output shall reach up to 131dB. The nominal impedance shall be 6 ohms.

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

The subwoofer shall be the NEXO LS400.

### **LS600**

The subwoofer shall be a band pass tuned design operating in a Baltic birch cabinet. It shall have one high excursion 15"x3" Neodymium driver.

The cabinet dimensions shall be 435 mm H x 688 mm W x 528 mm D (17.12" H x 27.09" W x 20.79" D), and it shall weigh 30 kg (66 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 40Hz – 110Hz +/-3dB or 38Hz – 120Hz at -6dB. The 1W/1m sensitivity shall be 101dB SPL and the peak output shall reach up to 138dB. The nominal impedance shall be 8 ohms.

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

The subwoofer shall be the NEXO LS600.

### **LS18 & LS18-E**

The subwoofer shall be a band pass tuned design operating in a Baltic birch cabinet. It shall have one high excursion 18"x4" driver.

The cabinet dimensions shall be 516 mm H x 675 mm W x 775 mm D (20.32" H x 26.1" W x 30.5" D), and it shall weigh either 55.5 kg (122.3 lbs) for the flying version, or 53 kg (117 lbs) for the "-E" version. Both versions shall be available in any RAL color paint.

Frequency response shall be 35Hz – 120Hz +/-3dB or 32Hz – 130Hz at -6dB. The 1W/1m sensitivity shall be 107dB SPL and the peak output shall reach up to 140dB. The nominal impedance shall be 8 ohms.

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

The "E" version is not intended for flying.

The subwoofer shall be the NEXO LS18 or LS18-E.

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**NEXO**