

A&E SPECIFICATIONS

GEO M Series



GEOM620

The line array module shall be a 2-way full-range system operating in a lightweight Polyurethane composite cabinet. It shall have one high excursion 6.5"x1.5" 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 6.5" by nearly half; in a word the PDD shall be a waveguide for the LF component. The HF driver, mounted on a BEA/FEA optimized hyperboloid reflective wave-source (HRW™) shall have a 1.5" PET diaphragm and a 1" exit.

Horizontal dispersion shall be either 80° or 120° with the addition of a flange kit and vertical coverage shall be 20°.

The cabinet dimensions shall be 191 mm H x 373 mm W x 260 mm D (8.22" H x 14.8" W x 11.1" D) and it shall weigh 9.7 kg (21.3 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 80Hz – 19kHz +/-3dB and 75Hz – 20kHz at -6dB. The 1W/1m sensitivity shall be 95dBSPL. Max output is configuration dependent on the number of cabinets in the line and their inter-box angles. The system shall have a passive crossover frequency 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 allowed inter-box angles on the external rigging shall be 0.5°, 2°, 5°, 10°, 15° and 20°.

The line array module shall be the NEXO GEO M620.

GEOM6B

The bass module shall be a band pass tuned design operating in a lightweight Polyurethane composite cabinet. It shall have one high excursion 6.5"x1.5" driver.

The cabinet dimensions shall be 191 mm H x 373 mm W x 260 mm D (8.22" H x 14.8" W x 11.1" D) and it shall weigh 7.6 kg (16.8 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 75Hz – 120Hz +/-3dB and 70Hz – 1kHz at -6dB. The 1W/1m sensitivity shall be 94dBSPL and the peak output shall reach up to 125dB. 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 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 allowed inter-box angles on the external rigging shall be 0.5°, 2°, 5°, 10°, 15° and 20°.

The bass module shall be the NEXO GEO M6B.

MSUB12

The subwoofer shall be a bass reflex design operating in a Baltic birch cabinet. It shall have one long excursion 12"x3" Neodymium driver.

The cabinet dimensions shall be 433 mm H x 396 mm W x 550 mm D (17" H x 15.6" W x 21.7" D) and it shall weigh 23 kg (51 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 45Hz – 150Hz at -6dB. The 1W/1m sensitivity shall be 102dBSPL and the peak output shall reach up to 130dB. The nominal impedance shall be 6 ohms.

The cabinet shall have two connection plates, one at the front and one at the back, with 2 NL4 4-pole SPEAKON's on each. All NL4's shall be wired so that output is present on pins 1+/1-; the other pair shall pass through to mid-hi models via pins 2+/2-. All NL4's shall be wired in parallel to each other.

The subwoofer shall be the NEXO MSUB12.

MSUB12-I

The subwoofer shall be a bass reflex design operating in a Baltic birch cabinet. It shall have one long excursion 12"x3" Neodymium driver.

The cabinet dimensions shall be 433 mm H x 396 mm W x 550 mm D (17" H x 15.6" W x 21.7" D) and it shall weigh 23 kg (51 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 45Hz – 150Hz at -6dB. The 1W/1m sensitivity shall be 102dBSPL and the peak output shall reach up to 130dB. The nominal impedance shall be 6 ohms.

The connector panel shall include one captive cable.

The subwoofer shall be the NEXO MSUB12-I.

GEOM1012 & GEOM1025

The line array module shall be 2-way full-range system operating in a Lightweight Polyurethane composite cabinet. It shall have one high excursion 10"x2.5" 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 10" by nearly half; in a word the PDD shall be a waveguide for the LF component. The HF driver, mounted on a BEA/FEA optimized hyperboloid reflective wave-source (HRW™) shall have a 2.5" Titanium diaphragm and a 1.4" exit.

Vertical dispersion shall be 12° for the "12" module and 25° for the "25" module. Horizontal dispersion shall be either 80° or 120° with the addition of a magnetic flange kit for both modules.

The cabinet dimensions shall be 288 mm H x 531 mm W x 404 mm D (11.3" H x 20.9" W x 15.9" D) and it shall weigh 21 kg (47 lbs) for both modules. Both modules shall be available in any RAL color paint.

Frequency response shall be 59Hz – 20kHz at -6dB. The 1W/1m sensitivity shall be 100dB SPL. Max output is configuration dependent on the number of cabinets in the line and their inter-box angles. The system shall have an internal passive crossover with a crossover point of 1.3kHz. 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 allowed inter-box angles on the external rigging shall be 0.6°, 1.6°, 3.3°, 6.3°, 9.5°, 12.5°, 16°, 20° and 25°.

The line array module shall be the NEXO GEO M1012 or GEO M1025.

GEOM1012-I & GEOM1025-I

The line array module shall be 2-way full-range system operating in a Lightweight Polyurethane composite cabinet. It shall have one high excursion 10"x2.5" 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 10" by nearly half; in a word the PDD shall be a waveguide for the LF component. The HF driver, mounted on a BEA/FEA optimized hyperboloid reflective wave-source (HRW™) shall have a 2.5" Titanium diaphragm and a 1.4" exit.

Vertical dispersion shall be 12° for the "12" module and 25° for the "25" module. Horizontal dispersion shall be either 80° or 120° with the addition of a magnetic flange kit for both modules.

The cabinet dimensions shall be 288 mm H x 531 mm W x 404 mm D (11.3" H x 20.9" W x 15.9" D) and it shall weigh 21 kg (47 lbs) for both modules. Both modules shall be available in any RAL color paint.

Frequency response shall be 59Hz – 20kHz at -6dB. The 1W/1m sensitivity shall be 100dB SPL. Max output is configuration dependent on the number of cabinets in the line and their inter-box angles. The system shall have an internal passive crossover with a crossover point of 1.3kHz. The nominal impedance shall be 8 ohms.

The cabinet shall include 2 fast connectors, wired in parallel to each other.

The allowed inter-box angles on the external rigging shall be 0.6°, 1.6°, 3.3°, 6.3°, 9.5°, 12.5°, 16°, 20° and 25°.

The line array module shall be the NEXO GEO M1012-I or GEO M1025-I.

MSUB15

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

The cabinet dimensions shall be 437 mm H x 531 mm W x 704 mm D (17.2" H x 20.9" W x 27.7" D) and it shall weigh 40 kg (88.2 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 40Hz – 120Hz at -6dB. The 1W/1m sensitivity shall be 101dB SPL and the peak output shall reach up to 136dB. The nominal impedance shall be 8 ohms.

The cabinet shall have two connection plates, one at the front and one at the back, with 2 NL4 4-pole SPEAKON's on each. All NL4's shall be wired so that output is present on pins 1+/1-; the other pair shall pass through to mid-hi models via pins 2+/2-. All NL4's shall be wired in parallel to each other.

The subwoofer shall be the NEXO MSUB15.

MSUB15-I

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

The cabinet dimensions shall be 437 mm H x 531 mm W x 704 mm D (17.2" H x 20.9" W x 27.7" D) and it shall weigh 40 kg (88.2 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 40Hz – 120Hz at -6dB. The 1W/1m sensitivity shall be 101dB SPL and the peak output shall reach up to 136dB. The nominal impedance shall be 8 ohms.

The cabinet shall include two fast connectors at the front and two fast connectors at the back. All fast connectors shall be wired in parallel to each other.

The subwoofer shall be the NEXO MSUB15-I.

GEOM1210 & GEOM1220

The line array module shall be 2-way full-range system operating in a Lightweight Polyurethane composite 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 driver, mounted on a BEA/FEA optimized hyperboloid reflective wave-source (HRW™) shall have a 3" Titanium diaphragm and a 1.4" exit.

Vertical dispersion shall be 10° for the "10" module and 20° for the "20" module. Horizontal dispersion shall be either 80° or 120° with the addition of a magnetic flange kit for both modules.

The cabinet dimensions shall be 370 mm H x 700 mm W x 446 mm D (14.6" H x 27.6" W x 17.6" D) and it shall weigh 34 kg (75 lbs) for both modules. Both modules shall be available in any RAL color paint.

Frequency response shall be 50Hz – 20kHz at -6dB. The 1W/1m sensitivity shall be 105dB SPL. Max output is configuration dependent on the number of cabinets in the line and their inter-box angles. 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 choice between active and passive mode shall be made by means of a switch, without any tools.

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 allowed inter-box angles on the external rigging shall be 0.25°, 0.5°, 1°, 2°, 3.5°, 5°, 7°, 10°, 13°, 16° and 20°.

The line array module shall be the NEXO GEO M1210 or GEO M1220.

GEOM1210-I & GEOM1220-I

The line array module shall be 2-way full-range system operating in a Lightweight Polyurethane composite 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 driver, mounted on a BEA/FEA optimized hyperboloid reflective wave-source (HRW™) shall have a 3" Titanium diaphragm and a 1.4" exit.

Vertical dispersion shall be 10° for the "10" module and 20° for the "20" module. Horizontal dispersion shall be either 80° or 120° with the addition of a magnetic flange kit for both modules.

The cabinet dimensions shall be 370 mm H x 700 mm W x 446 mm D (14.6" H x 27.6" W x 17.6" D) and it shall weigh 34 kg (75 lbs) for both modules. Both modules shall be available in any RAL color paint.

Frequency response shall be 50Hz – 20kHz at -6dB. The 1W/1m sensitivity shall be 105dB SPL. Max output is configuration dependent on the number of cabinets in the line and their inter-box angles. 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 choice between active and passive mode shall be made by means of a switch, without any tools.

The cabinet shall include 2 fast connectors, wired in parallel to each other.

The allowed inter-box angles on the external rigging shall be 0.25°, 0.5°, 1°, 2°, 3.5°, 5°, 7°, 10°, 13°, 16° and 20°.

The line array module shall be the NEXO GEO M1210-I or GEO M1220-I.

MSUB18

The subwoofer shall be a bass reflex design operating in a Baltic birch cabinet. It shall have one high excursion 18"x4.5" Neodymium driver.

The cabinet dimensions shall be 525 mm H x 701 mm W x 704 mm D (20.6" H x 27.6" W x 27.7" D) and it shall weigh 55 kg (122 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 32Hz – 120Hz at -6dB. The 1W/1m sensitivity shall be 107dB SPL and the peak output shall reach up to 139dB. The nominal impedance shall be 4 ohms.

The cabinet shall have two connection plates, one at the front and one at the back, with 2 NL4 4-pole SPEAKON's on each. All NL4's shall be wired so that output is present on pins 1+/1-; the other pair shall pass through to mid-hi models via pins 2+/2-. All NL4's shall be wired in parallel to each other.

The subwoofer shall be the NEXO MSUB18.

MSUB18-I

The subwoofer shall be a bass reflex design operating in a Baltic birch cabinet. It shall have one high excursion 18"x4.5" Neodymium driver.

The cabinet dimensions shall be 525 mm H x 701 mm W x 704 mm D (20.6" H x 27.6" W x 27.7" D) and it shall weigh 55 kg (122 lbs). The cabinet shall be available in any RAL color paint.

Frequency response shall be 32Hz – 120Hz at -6dB. The 1W/1m sensitivity shall be 107dB SPL and the peak output shall reach up to 139dB. The nominal impedance shall be 4 ohms.

The cabinet shall include two fast connectors at the front and two fast connectors at the back. All fast connectors shall be wired in parallel to each other.

The subwoofer shall be the NEXO MSUB18-I.

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