##### DSX

The loudspeaker shall be a self-powered, ground-stacked subwoofer. Its transducers shall consist of two 18” ultra-long excursion drivers in a bass reflex enclosure.

The loudspeaker shall incorporate a Class D amplifier module with onboard DSP. The amplifier shall deliver 6kW peak output to the transducers and include networking capabilities to enable remote control and system monitoring. Its power supply shall employ Power Factor Correction and operate from 100-240V, 50-60Hz AC.

Audio connectors shall be male and female XLR type and the AC power connector shall be an IEC309 CEE Form.

The loudspeaker shall be capable of forward and rear-facing operation to enable the construction of subwoofer arrays with specific directional properties determined by dedicated array control software.

The ground plane on-axis frequency response shall be 35Hz-150Hz +/- 3dB and the loudspeaker shall produce a maximum SPL of 146dB peak at 1 metre.

The loudspeaker enclosure shall be constructed from multi-laminate birch ply with a textured black polyurethane coating. The drivers shall be protected by a perforated steel grille.

Dimensions (W x H x D) shall be 1060mm x 595mm x 834mm (41.7in x 23.4in x 32.8in). Dimensions (W x H x D) with vent flap open shall be 1060mm x 595mm x 1027mm (41.7in x 23.4in x 40.4in).Weight shall be 122.2kg (269lbs).

The loudspeaker shall be the Martin Audio DSX.