##### Martin Audio XE300

The loudspeaker shall be a two-way system ultilising Coaxial Differential Dispersion technology and shall be operated in conjunction with a dedicated controller amplifier.

Its transducers shall consist of a reflex-loaded 12” low frequency driver and a coaxially-mounted 1.4” exit high frequency compression driver loaded by a static waveguide that merges with moving waveguides added to the cone of the low frequency driver to define the HF horn geometry. A third static waveguide shall increase the effective size of the horn mouth.

Low and high frequency sections shall be integrated by an internal 1.1kHz passive network or an external active crossover. Passive or active operation shall be selected by a switch on the input panel. Input connectors shall be NL4 type.

Horizontal dispersion shall vary from 60° to 30° and vertical dispersion shall be 90°. The on-axis frequency response shall be 67Hz-18kHz +/- 3dB. The loudspeaker shall produce a maximum SPL of 140dB peak in active mode and 139dB peak in passive mode, calculated at 1 metre. Power handling shall be 350WAES, 1400W peak. Rated impedance in passive mode shall be 6 ohms. Rated impedance in bi-amp mode shall be LF: 6 ohms, HF: 8 ohms.

The enclosure shall be made from plywood and incorporate pocket handles and threaded inserts. The drivers shall be protected by a perforated steel grille with scrim cloth backing.

Dimensions, including feet, (W x H x D) shall be 556mm x 293mm x 470mm (21.9in x 11.5in x 18.5in). Weight shall be 19kg (41.9lbs).

The loudspeaker shall be the Martin Audio XE300.