##### Martin Audio CDD12

The loudspeaker shall be a passive, two-way system ultilising Coaxial Differential Dispersion technology. Its transducers shall consist of a reflex-loaded 12” low frequency driver and a coaxially-mounted 1” 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.

The coaxial driver shall be user-rotatable to enable vertical or horizontal operation as required by the application. Horizontal dispersion shall vary from 110° to 60° and vertical dispersion shall be 60°. The on-axis frequency response shall be 62Hz-20kHz +/- 3dB and the loudspeaker shall produce a maximum SPL of 128dB peak calculated at 1 metre. Power handling shall be 300W AES, 1200W peak. Rated impedance shall be 8 ohms.

The input connector shall be a low-profile 20A push-lock type. Low and high frequency sections shall be integrated by an internal 1.9kHz passive network. For optimal performance the loudspeaker shall be operated in conjunction with a dedicated electronic controller.

The enclosure shall be made from rigid composite material and fitted with threaded inserts for wall and ceiling mounting. The drivers shall be protected by a perforated steel grille with scrim cloth backing.

Dimensions (W x H x D) shall be 360mm x 571mm x 350mm (14.2in x 22.5in x 13.8in). Weight shall be 19.3kg (42.5lbs).

The loudspeaker shall be the Martin Audio CDD12.