##### Martin Audio CDD12-WR

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 with a water-resistant cone and a coaxially-mounted 1” exit high frequency compression driver. The HF driver shall be 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 with a waterproof cover incorporating a cable gland. 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 with stainless steel screws for wall and ceiling mounting. The drivers shall be protected by a powder coated, zinc plated steel grille with Declon® backing and a secondary grille with hydrophobic mesh. The loudspeaker shall meet the IP54 environmental rating.

Dimensions (W x H x D) shall be 360mm x 571mm x 350mm (14.2in x 22.5in x 13.8in). Weight shall be 19.8kg (43.6lbs).

The loudspeaker shall be the Martin Audio CDD12-WR.