##### Martin Audio CDD8-WR

The loudspeaker shall be a passive, two-way system ultilising Coaxial Differential Dispersion technology. Its transducers shall consist of a reflex-loaded 8” 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 80° and vertical dispersion shall be 60°. The on-axis frequency response shall be 70Hz-20kHz +/- 3dB and the loudspeaker shall produce a maximum SPL of 123dB peak calculated at 1 metre. Power handling shall be 200W AES, 800W peak. Rated impedance shall be 8 ohms.

The input connector shall be a low-profile 13A push-lock type with a waterproof cover incorporating a cable gland. Low and high frequency sections shall be integrated by an internal 2.3kHz passive network. For optimal 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 256mm x 410mm x 252mm (10.1in x 16.1in x 9.9in). Weight shall be 9.8kg (21.6lbs).

The loudspeaker shall be the Martin Audio CDD8-WR.