EAW RSX89 Architects' and Engineers' Specification

The 2-way full range loudspeaker system shall incorporate one 8-in LF transducer, and one 1-in exit/1.4-in voice coil HF compression driver.

The direct radiating LF driver shall be mounted in an enclosure tuned for optimum low frequency response. The HF driver shall be horn loaded to provide a nominal 90° x 60° coverage pattern.

System frequency response shall vary by no more than 10 dB from 68 Hz to 18 kHz measured on axis. The loudspeaker will be capable of producing a peak output of 124 dB SPL on axis at 1 meter. The loudspeaker will include two class D on-board amplifiers, two individual channels of DSP, and be capable of accepting analog and Dante input signals.

The loudspeaker enclosure shall be trapezoidal in shape, and be constructed of void-free Poplar and Baltic birch plywood and shall be finished in hi-build waterborne acrylic roadcoat. Input connectors shall be dual XLR and dual Ethercon. The cabinet will include a total of 11x M10 threaded mounting points. The front of the loudspeaker shall be covered with a powder coated perforated steel grille.

The 2-way full range loudspeaker shall be the EAW model RSX89.