ARCHITECTS' & ENGINEERS' SPECIFICATIONS

High Power Low-frequency Speaker System

IL1115 (W)

The low frequency loudspeaker systems shall incorporate 15-inch LF transducer with 4-inch voice coil. System frequency response shall vary no more than +/-3 dB from 70 Hz to 2 kHz measured on axis with appropriate signal processing. The loudspeaker shall produce a Sound Pressure Level (SPL) of 97 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a continuous output of 125 dB SPL and a peak output of 131 dB SPL on axis at 1 meter. The loudspeaker shall handle 700 Watts of amplifier power (AES) and shall have a nominal impedance of 8 Ohms. The loudspeaker enclosure shall be 30° trapezoidal in shape. It shall be of 16 mm thick Finland birch plywood construction, except the baffle, which shall be 19 mm. It shall be finished in textured black paint. It shall be finished in a black or white textured coating. Input connectors shall be parallel wired Neutrik NL4 and barrier strip. A total of 15 x M10 threaded mounting points shall be provided. The front of the loudspeaker shall be covered with a powder coated perforated steel grill backed with open cell foam to protect against dust. The low frequency loudspeaker shall be the YAMAHA IL1115 (W).

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