

ARCHITECTS' & ENGINEERS' SPECIFICATIONS

High Power Subwoofer

IS1218 (W)

The sub bass loudspeaker systems shall incorporate 2 x 18-inch LF transducers with 4-inch voice coils. System frequency response shall vary no more than +/-3 dB from 40 Hz to 2.3 kHz measured on axis with appropriate signal processing. The loudspeaker shall produce a Sound Pressure Level (SPL) of 99 dB SPL (102 dB SPL at Discrete Mode) on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a continuous output of 130 dB SPL and a peak output of 136 dB SPL on axis at 1 meter. The loudspeaker shall handle 1400 Watts (2 x 700W) of amplifier power (AES) and shall have a nominal impedance of 4 (2 x 8) Ohms. The loudspeaker enclosure shall be rectangular in shape. It shall be of 16 mm thick Finland birch plywood construction, except the baffle and inner wall, which shall be 19 mm. It shall be finished in a black or white textured coating. Input connectors shall be parallel wired Neutrik NL4 and barrier strip. The loudspeaker shall have selector switch on the rear panel that allows switching between Parallel and Discrete modes. A total of 12 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 sub bass loudspeaker shall be the YAMAHA IS1218 (W).