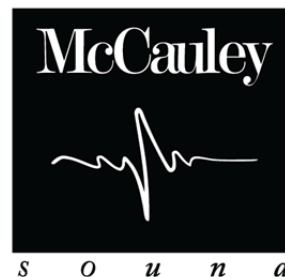


M88

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS



The subwoofer loudspeaker system shall consist of two (2) 18 in. (460 mm) transducers mounted in an optimally vented bass reflex enclosure, tuned for maximum low frequency response. Each transducer shall have a 4 in. (102 mm) diameter voice coil, high flux density Neodymium motor, Aluminum heat sink, and an excursion of least ± 0.6 in (15 mm). The horizontal and vertical coverage for a single loudspeaker system shall be omnidirectional in the operating band. Multiple loudspeaker systems in an array shall be capable of producing a directional coverage pattern.

The typical performance specifications shall be as follows: The unprocessed system frequency response shall vary no more than ± 3 dB from 35 Hz to 150 Hz measured on axis. The measured sensitivity, (when 2.0 V is applied to each transducer powered in parallel as a 4 ohm load,) shall be at least 101 dB SPL at 1 m ground-plane, from 40 Hz to 80 Hz. Each transducer shall have a rated power capacity of 800 W per AES Standard AES2-2012 (1600 W continuous program power) and a nominal impedance of 8 ohms inside the operating band.

The loudspeaker enclosure shall have a maximum weight of 185 lbs. (84.1 kg) and shall measure 45.5" (1156 mm) wide, 22.75" (578 mm) in height, and 35.41" (900 mm) in depth. The enclosure shall be constructed of multi-ply void-free birch hardwood plywood and coated with a weather and wear resistant ProCoat™ polyurethane hybrid finish. Components in the front of the enclosure shall be protected by a flat grill made from perforated steel and coated with heat cured epoxy powder. All rigging and other hardware pieces shall be weather protected with a heat cured epoxy powder coat finish.

Input connectors shall be two locking Neutrik NL4 wired in parallel with 12 AWG wire. The connectors shall have a contact resistance of less than 3 m Ω , insulation rating of at least 250 Vrms, and rated continuous current rating of 30 A per contact. The lifetime of the connectors shall be at least 5000 mating cycles. The connectors shall meet or exceed UL 94 HB flammability standards.

Optional 3/8"-16 UNC threaded mounting/suspension points can be provided upon specification.

The high performance subwoofer loudspeaker system shall be the McCauley Sound model M88.