Installation Model AC75

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The two-way full range loudspeaker system shall incorporate a 1.5" (38.1 mm) voice coil, 5.25" (133.4 mm) diameter LF transducer and a HF transducer. The LF driver shall be mounted in an optimally vented enclosure tuned for maximum low frequency response. The high frequency transducer shall be with a nominal horizontal coverage pattern of 90°. The vertical coverage pattern of the horn shall be 90° and shall also provide constant directivity.

The systems frequency response shall vary no more than ±3 dB from 85 Hz to 18 kHz measured on axis. The loudspeaker system shall produce a passive Sound Pressure Level (SPL) of 93 dB SPL at a distance of 1 meter with an electrical power input of 1 Watt, and shall be capable of producing a maximum peak output of 113 dB SPL on axis at 1 meter.

The passive loudspeaker shall handle 125 Watts of amplifier power (per ref Standard AES2-1984-r2003) and shall have a nominal impedance of 8 Ohms. The loudspeaker shall have an internal line matching transformer with 7.5W, 15W, 25W and bypass (8 ohm nominal) settings and shall be compatible with 70V distributed systems.

The loudspeaker enclosure shall have a maximum weight of 7 lbs.(3.18 kg) and shall measure 7" (178 mm) wide at front, 6" (153 mm) in width at rear, 10.5" (266.7 mm) in height, and 6.5"(165 mm) in depth. The enclosure sides shall taper at 10° from a maximum frontal width, narrowing to the rear. The structure of the enclosure shall be constructed of UV Resistant, Molded ABS Plastic and shall feature weather and wear resistant, internal loudspeakers.

Input connectors shall be two, push terminals. A total of four 1/4"-20 UNC threaded mounting/suspension points (one on top, one on bottom, and two back) shall be provided.

Components in the front of the enclosure are to be protected by a grill made from perforated steel that is coated with heat cured epoxy powder.

The 2-way full range loudspeaker shall be the McCauley Sound model AC75.

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