



## Installation Model AC66

### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The two-way full range loudspeaker system shall incorporate two 1.5" (38 mm) voice coil, 6.5" (165 mm) LF transducer and a 1" (25.4 mm) exit diaphragm direct radiating high frequency driver. 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 100°. 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  $\pm 3$  dB from 90 Hz to 19 kHz measured on axis. The low frequency transducer shall produce a Sound Pressure Level (SPL) of 115 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 121 dB SPL on axis at 1 meter.

The passive loudspeaker shall handle 400 Watts of amplifier power (per ref Standard AES2-1984-r2003) and shall have a nominal impedance of 8 Ohms.

The loudspeaker enclosure shall have a maximum weight of 28 lbs.(12.7 kg) and shall measure 9.0" (229 mm) wide at front, 5.59" (142 mm) in width at rear, 22" (559 mm) in height, and 10.5"(267 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 12-ply void-free birch hardwood plywood and shall have a weather and wear resistant ProCoat(tm) polyurea hybrid finish.

Input connectors shall be two, four-terminal barrier strips, wired together in parallel. A total of fourteen 1/4"-20 UNC threaded mounting/suspension points (three on top, three on bottom, three per side and two back) shall be provided. Four additional mounting points shall be provided on the top, bottom, and each side configured to accept an OmniMount brand, Series 60 bracket.

Components in the front of the enclosure are to be protected by a curved grill made from perforated steel that is coated with heat cured epoxy powder, and lined with acoustically transparent foam.

The 2-way full range loudspeaker shall be the McCauley Sound model AC66.