Installation Model AC12-1

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker shall be a two-way type with one 12" low frequency driver mounted in a bass reflex enclosure and one high frequency horn flare utilizing a 1" throat compression driver. The low frequency section shall contain one 12" "Focused Field" driver with a power handling capacity of 350 watts RMS and shall have a sensitivity of 98 dB SPL measured at 1 meter with 2.83 volts into a nominal 8-ohm load.

The high frequency section shall consist of one 1" exit compression driver and horn combination with a power handling capacity of 100 watts RMS and a sensitivity of 111 dB SPL measured at 1 meter with 2.83 volts into a nominal 16 ohm load. The combined loudspeaker system shall be capable of 128-dB SPL continuous and 131 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 60 Hz to 17 kHz +/- 3 dB (50Hz to 20 kHz -10 dB). The loudspeaker shall offer coverage angles of 90o Horizontal, and 80o Vertical.

The enclosure shall weigh a total of 70 lbs. and shall measure 28 inches tall, 16 inches wide (12 inches at rear) and 14 inches in depth. The enclosure sides shall be angled at 15o from front to back forming a trapezoidal shape. The enclosure shall be made of 12-ply void-free birch hardwood and shall have a weather and wear resistant ProCoattm elastomeric finish. The loudspeaker shall have built in 3/8 inch 'eye bolt' points to allow ceiling suspension. Electrical connections shall be made via standard binding posts or barrier strips. An optimized passive crossover network shall be switchable between full range and biamp modes.

The loudspeaker shall be the McCauley AC12-1.

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