



Stage Monitor Model SM90-1

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The loudspeaker shall be a tow-way floor monitor type with one 10" Full Range 2 Way Coaxial Point Source driver mounted in a bass reflex enclosure. The low frequency section shall contain one MCX 10" "Focused Field" driver with a power handling capacity of 300 watts RMS and shall have a sensitivity of 93 dB SPL measured at 1 meter with 2.83 volts into a nominal 8 ohm load.

The high frequency section shall consist of one MCX 1" exit compression driver and horn combination with a power handling capacity of 100 watts RMS and a sensitivity of 109 dB SPL measured at 1 meter with 2.83 volts into a nominal 16 ohm load. The combined loudspeaker system shall be capable of 120 dB SPL continuous and 126 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 90 Hz to 17 kHz +/- 3 dB (55Hz to 20 kHz -10 dB). The loudspeaker shall offer symmetrical coverage angles of 80° Horizontal, and 80° Vertical.

The enclosure shall weigh a total of 58 lbs. and shall measure 13.5 inches tall, 12.5 inches wide (7.5 inches at rear), 12 inches deep. The enclosure shall have a 35° fixed angle bottom, and the sides shall be angled at 15° from front to back forming a trapezoidal shape. The enclosure shall be made of 12-ply birch hardwood and shall have a weather and wear resistant ProCoat elastomeric finish. The enclosure shall incorporate one steel handle on top of easy mobility. Electrical connections shall be made via paralleled Neutrik NL-4 connectors, or optional NL-8 or EP series connectors. An optimized passive crossover network shall be switchable between full range and biamp modes.

The loudspeaker shall be the McCauley SM90-1.