

HP890i

Architectural Specifications

The loudspeaker shall consist of a 203 mm (8 in) low-frequency transducer and a high frequency transducer with a 1" exit and a frequency-dividing network installed in a ported enclosure. The low-frequency voice coil diameter shall be 34 mm (1.36 in).

The performance specifications of a typical production unit shall be as follows: Useable frequency response shall extend from 63 Hz - 22 kHz (-10 dB, no external equalization). Measured sensitivity (2.83 Volt input, 1 meter) shall be at least 94 dB. The speaker shall have a nominal impedance of 8 Ohms and be available for 25/70.7/100 Volt modes with a voice coil/8 Ohm direct. The frequency-dividing network shall have a crossover frequency of 2.4 kHz with a slope of 12 dB per octave (2nd order). Rated power capacity shall be at least 125 Watts continuous power (RMS), and shall conform to EIA-426-B testing. Maximum continuous output at 1 meter shall be 115 dB.

The low-frequency transducer shall have a treated fiber cone and cloth surround.

Installation for the HP890i shall be by 10' aircraft cable affixed to the speaker chassis via hook. For seismic and safety redundancy, a secondary aircraft cable shall be included and shall attach to the speaker chassis via hook and cable system. The external wiring shall be a 4-pin 5 mm Euroblock connector for 8 Ohm or distributed systems and shall accept from 10 - 22 gauge wire. The system shall be for indoor and outdoor applications and have a weather-resistant terminal boot covering all wire connections.

The enclosure shall be constructed of injection-molded, glass reinforced ABS. The grille shall be constructed of iridite-plated, powder-coated steel for lasting performance in the elements. Overall cabinet dimensions shall be no more than 437.7 mm (17.23 in) in height by 376.5 mm (14.82 in) in diameter and weigh no more than 10.0 kG (22.1 lbs).

The HP890i shall ship with hanging hardware, Euroblock connector and terminal weather boot. Optional accessories for the HP890i include surface-mount bracket (AC-RS-SM8), 20' hanging cable (AC-RS-HH-20) and 10' split loom tubing (AC-SLT-10) for architectural applications.

The system shall be the HP890i with hanging hardware for both low- and high- impedance applications.