AcousticDesign Ceiling Mount Series

AcousticDesign AD-C81Tw

The ceiling mount subwoofer shall incorporate an 8 inch low frequency transducer. The subwoofer’s low frequency driver shall be loaded into a ported enclosure. The subwoofer shall have a passive internal crossover network with a 120 Hz low pass filter. The filter shall be defeatable from the front baffle to allow the use of outboard crossovers.

The subwoofer shall meet the following performance criteria: frequency response of 28 Hz to 100.0 Hz ±10 dB, measured on axis with appropriate signal processing; sensitivity of 92.0 dB SPL in free field at 1 meter with an input of 2.83V; continuous output of 112.0 dB SPL; peak output of 118.0 dB SPL on axis at 1 meter; power handling of 100 watts for 8 hours with an IEC noise signal; recommended amplifier power of 200 watts; nominal impedance of 8 ohms.

The loudspeaker shall have a switchable low-distortion, wide-bandwidth laminated core transformer with taps for 60, 30, 15 & 7.5 watts at 70V and 60, 30 & 15 watts at 100V. The subwoofer shall be switchable between 8 Ohm and constant-voltage operation.

The loudspeaker shall have a steel enclosure injection molded high impact polystyrene baffle. It shall have a white paintable finish. Input connectors shall be parallel wired ceramic block or 4-pin Euro terminals in a fire protective sub-chamber. The subwoofer shall have a rails and C-ring for ceiling installation. The front of the subwoofer shall be protected by heavy duty painted aluminum grill.

The subwoofer's enclosure shall be 12.6 in (32.1 cm) high, 12.6 in (32.1 cm) wide and 14.5 in (36.8 cm) deep. The loudspeaker shall weigh no more than 20.0 lb (9.1 kg).

The subwoofer shall be listed as safe for use in air-handling spaces under UL1480 and UL2043. The switchable transformer shall be listed under UL1876 and shall comply with BS/EN 60849 safety standards.

The ceiling mount subwoofer shall be the QSC Audio Products AD-C81Tw.