AcousticDesign Series

AD-S4T

The professional small format, surface mount loudspeaker system shall be a two-way full-range design utilizing Directivity Matched Transition (DMT) to match low and high frequency coverage at the crossover point. The loudspeaker low-frequency transducer shall be an 4-inch (100 mm) woofer with a weather-resistant paper cone and a 1-inch (25 mm) voice coil. The loudspeaker high-frequency transducer shall be a 0.75-inch (19 mm) silk dome tweeter with a 0.75-inch voice-coil coupled to a high-frequency waveguide. The loudspeaker system shall be capable of operation in low-impedance (8Î©) bypass mode or over a 70/100V distributed audio line via a built-in low-loss, low-saturation 30-watt transformer.

The loudspeaker system shall meet the following performance criteria: effective frequency range of 68 Hz to 20 kHz (free-field, -10 dB from on-axis sensitivity); broad-band sensitivity of 87 dB SPL (on-axis, free-field sensitivity, 2.83V, 1 m); maximum rated SPL (calculated) of 104 dB continuous and 110 dB peak; rated power capacity of 20V or 50W (two-hours, IEC60268-1 noise); recommended amplifier power of 100W; rated impedance of 8 Ohms. The loudspeaker system's nominal coverage angle shall be 120 degrees (-6 dB) axisymmetric.

The loudspeaker system connectors shall be mounted on a sealed input panel including a Euroblock connector and parallel output terminals. The loudspeaker enclosure, which shall meet IEC60529 IP-54 specifications for dust and splash resistance, shall be constructed of ABS polymer and finished in either of two RAL colors: black (9011) or white (9010). The front of the full range system shall be protected by a powder-coated aluminum grille that is free of logos or other embellishment. The enclosure shall be fitted with an integral mounting plate for a mounting system (QSC X-Mount) that allows the speaker to be rotated in four orientations.

The enclosure shall be 10.27 in (261 mm) high, 6.34 in (161 mm) wide, and 6.42 in (163 mm) deep. The loudspeaker system shall have a net weight of no more than 6.5 lb (2.9 kg).

The two-way full-range loudspeaker system shall be the QSC Audio Products AD-S4T.