Architect & Engineers Specifications

K Column

KC12

The active three-way column loudspeaker system shall incorporate a 305 mm (12-inch) cone driver, two high-excursion 102 mm (4-inch) midrange cone drivers and a 25.4 mm (1-inch) high frequency compression driver mounted into a length-equalized acoustic flare waveguide. The midrange and high frequency transducers shall have neodymium magnets. The low-frequency transducer shall be mounted into a reflex-ported enclosure. The column loudspeaker system shall have a built-in Class D amplifier delivering 2000 watts of peak power to the low frequency transducer and 1000 watts of peak power to the midrange transducers and HF compression driver.

The column loudspeaker system shall meet the following performance criteria: frequency response of 45 Hz to 18.5 kHz (minus 6 dB) and 40 Hz to 20 kHz (minus 10 dB); peak sound pressure level of 132 dB, measured at 1 meter on axis, in full space using IEC268 filtered noise; nominal coverage of 145 degrees horizontal by 35 degrees vertical.

The column loudspeaker system shall have a full-height deployment by using a column pole and short-height deployment without using a column pole. The loudspeaker system shall have two combo XLR inputs (Mic/Line/Hi-Z and Mic/Line/+48 V), with independent, assignable factory presets for each input and two XLR outputs, one of them being an assignable output. The loudspeaker system shall also have one 3.5 mm TRS stereo input combined with a Bluetooth wireless connection featuring True Wireless Stereo (TWS).

The column loudspeaker system's enclosure shall be 2270 mm (89.4 in) high, 357 mm (14 in) wide and 455 mm (18 in) deep. The loudspeaker shall weigh no more than 27.3 kg (60.3 lb).

The active three-way column loudspeaker system shall be the QSC KC12.

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