

Sound Columns

Models SCW20 & SCW35



Features

- Precisely controlled sound projection
- Directional characteristics reduce feedback
- Uniform sound level throughout area covered
- Clarity and intelligibility for speech reproduction
- Lower power requirements than conventional speakers
- Fast and simple installation

Description

The Bogen Models SCW20 and SCW35 are heavy-duty sound columns designed for sound reinforcement in churches, theaters, auditoriums, and similar installations where it is necessary to cover a large area with a minimum number of speakers. The sound column consists of a vertical array of speakers in a specially-designed rectangular enclosure, and provides a more effective length of throw than conventional speakers, as well as a highly directional sound dispersion pattern for reduced reflection from the floor and ceiling of the hall. The precisely controlled dispersion pattern of these sound columns makes possible a maximum of uniformity in coverage of the desired area with minimum sound projected into undesired areas.

The sound columns are constructed of sturdy particle board, acoustically lined and finished in a simulated oiled walnut. The removable rear panel (for access to the cone speakers) contains a polarized screw-terminal strip and mounting plate for line-matching transformers.

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Technical Specifications

Wattage Rating (continuous):	SCW20 — 20 watts; SCW35 — 35 watts
Maximum SPL @ 1 watt input, 4' on axis:	SCW20 — 100dB; SCW35 — 105dB
Frequency Response:	SCW20 — 80-14,000Hz; SCW35 — 70-16,000Hz
Speaker Complement:	SCW20 — Four 5-inch; SCW35 — Six 6-inch
Impedance:	8 ohms
Dispersion:	SCW20 — Vertical 45°, Horizontal 90° SCW35 — Vertical 25°, Horizontal 120°
Terminals:	2-screw terminal strips, polarized
Construction:	SCW20 — 3/8" particle board, glued and fastened; mounting hardware supplied SCW35 — 1/2" particle board, glued and fastened; mounting hardware supplied
Finish:	Simulated oiled walnut, black grille; mounting hardware supplied
Dimensions:	SCW20 — 7-1/2"W x 20"H x 4-1/2"D SCW35 — 9-1/2"W x 42"H x 5-1/4"D
Shipping Weight:	SCW20 — 12 lbs. SCW35 — 26 lbs.

Architect and Engineer Specifications

SCW20

The sound column shall be a Bogen Model SCW20, or approved equivalent. It shall contain four 5-inch cone speakers and shall have an input impedance of 8 ohms. The cabinet shall be sturdily constructed of 3/8-inch particle board, acoustically lined, and finished in simulated oiled walnut, with a black grille.

The column shall have a (continuous) wattage rating of 20 watts. Maximum sound pressure level, measured four (4) feet on axis with 1 watt input shall be 100dB. The frequency response shall be from 80 to 14kHz. Dispersion shall be 45° in the vertical plane and 90° in the horizontal plane.

The removable rear panel shall provide a polarized screw-terminal strip and plate for mounting a line-matching transformer. Dimensions shall be 7-1/2"W x 20"H x 4-1/2"D; shipping weight shall be 12 lbs.

SCW35

The sound column shall be a Bogen Model SCW35, or approved equivalent. It shall contain six 6-inch cone speakers and shall have an input impedance of 8 ohms. The cabinet shall be sturdily constructed of 1/2-inch particle board, acoustically lined, and finished in simulated oiled walnut, with a black grille.

The column shall have a (continuous) wattage rating of 35 watts. Maximum sound pressure level, measured four (4) feet on axis with 1 watt input shall be 105dB. The frequency response shall be from 70 to 16kHz. Dispersion shall be 25° in the vertical plane and 120° in the horizontal plane.

The removable rear panel shall provide a polarized screw-terminal strip and plate for mounting a line-matching transformer. Dimensions shall be 9-1/2"W x 42"H x 5-1/4"D; shipping weight shall be 26 lbs.

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