

SF 26CT LP

SOUNDFIELD XD 6.5" TWO-WAY CEILING SPEAKER
WITH LOW PROFILE BACK CAN



The Extron SoundField® XD model SF 26CT LP is a low profile 6.5" two-way ceiling speaker featuring a 4.2" (107 mm) deep composite back can for use in restricted-height plenum environments. The driver complement includes a 6.5" (165 mm) woofer coupled to a 3/4" (19 mm) ferrofluid-cooled dome tweeter. The SF 26CT LP offers both direct 8 ohm and 70/100 volt operation with a behind-the-grille, six-position power selector switch. With high impedance taps at 8, 16, 32, and 64 watts, the SF 26CT LP is ideal for applications that require a high-power distributed speaker system in plenum spaces that will not accommodate a taller back can.

- ▶ 6.5" (165 mm) long throw woofer
- ▶ 3/4" (19 mm) ferrofluid-cooled dome tweeter
- ▶ 4.2" (107 mm) deep low profile composite back can
- ▶ Frequency range: 85 Hz to 22 kHz
111° conical dispersion
- ▶ 65 watts continuous pink noise
130 watts continuous program
- ▶ Locking arms support ceilings up to 2.25" (57.1 mm) thick
- ▶ UL 2043 plenum rated enclosure
- ▶ 8 ohm direct or 70/100 volt operation on a behind-the-grille selector with taps up to 64 watts
- ▶ Magnetically attached grille with a thin bezel for a refined appearance

DESCRIPTION

Plenum Rated Composite Enclosure

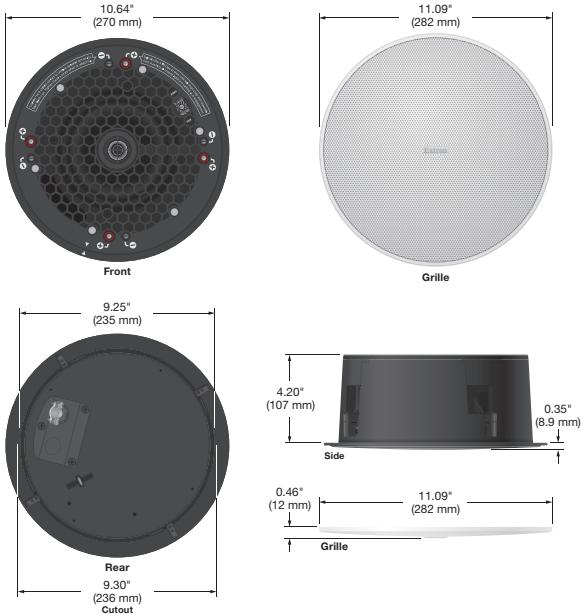
The ideal speaker enclosure needs to be constructed in such a way as to avoid internal standing waves and resonances in the enclosure itself. It should also be lightweight and fire tested for use in plenum air-handling spaces. We were able to achieve all of these requirements by injection molding the enclosure with a fire resistant composite material. The result is a rigid, acoustically damped, lightweight, plenum rated enclosure that is UL 2043 listed.

Supports Division of Labor and Single Trade

Shipped as a complete speaker assembly, the SF 26CT LP is ideal for both single-trade and division-of-labor installations. The SF 26CT LP speaker can be installed by a single contractor as a self-contained unit for retrofits and new construction. For larger projects with multiple trades, the driver assembly and back can be separated, allowing the rough-in contractor to install and fully terminate the back can. Once the job site is clean and secure, the AV integrator can then easily install the driver assembly and grille.

When there is to be an extended period of time between installation of the back can and driver assembly, they are available separately. BCK and DAK options allow the speaker baffle to be purchased and installed at a later time compared to the back can. The BCK Back Can Kit can be installed early in the construction/installation process and covered with the provided paint shield. Later, when the site is ready for finished products to be installed, the DAK Driver Assembly Kit can then be installed and covered with the speaker grille.

PANEL DRAWINGS



SPECIFICATIONS

AUDIO/ACOUSTIC AND ELECTRICAL

Speaker type	2-way ceiling speaker with composite back can
Frequency range	85 Hz to 22 kHz, -10 dB, half space (per IEC 60268-5)
Frequency response	110 Hz to 22 kHz, +/3dB, half space
Power capacity	65 W (rms) continuous pink noise 130 W (rms) continuous program
Rated maximum input voltage (MIV)	22.4 V (62.6 W at 8 ohms) (per AES2-2012)
Maximum SPL	104 dB, 1 m (based on MIV) 106 dB, 1 m (linear)
Nominal sensitivity	88 dB SPL, 1W, 1 m, half space
Nominal impedance	8 ohms per speaker
Crossover frequency	2.5 kHz
Nominal coverage angle	111° conical coverage (1 kHz to 4 kHz)
Drivers	
Woofer	(1) 6.5" (165 mm) polypropylene cone with moisture resistant coating
Tweeter	(1) 0.75" (19.1 mm) PEI dome
Rotary switch taps	70 V: 64 W, 32 W, 16 W, 8 W, 8 ohms direct 100 V: null, 64 W, 32 W, 16 W, 8 ohms direct
Overload protection	Full range power limiter with the 8 ohm direct input only, protecting the tweeter, woofer, and crossover
Input connector	(1) 5 mm captive screw connector, 4 pole for 1 input and 1 loop-through

GENERAL

Package	2 speakers (1 pair)
Included accessories	Cutout template/paint shield, setup guide, mounting screws, 4 V-rails, 2 C-rings, 2 round grilles, 2 cable clamps, 2 captive screw connectors
Temperature/humidity	Storage: -40 to +158°F (-40 to +70°C) / 10% to 90%, noncondensing Operating: +32 to +122°F (0 to +50°C) / 10% to 90%, noncondensing
Mounting	Ceiling mountable with included hardware
Enclosure type	Plenum rated, fire-resistant (UL94V-0) composite back can/baffle; Magnetically attached powder-coated steel grille with plastic bezel.
Enclosure outer dimensions	4.72" H x 10.64" diameter (119.9 mm x 270.3 mm diameter) 4.2" H (106.7 mm H) from front of ceiling tile to back of rear enclosure
Cutout dimensions	9.3" diameter (236.2 mm diameter)
Product weight	8.6 lbs (3.9 kg) each
Regulatory compliance	CE, UL 2043, UL1480, NFPA 90A, NFPA 70 UL Listed for use in plenum airspaces; UL 2043 listed for heat and smoke release, UL 1480 listed for commercial and professional audio systems
Environmental	RoHS, WEEE
Product warranty	5 years parts and labor

NOTE: All nominal levels are at ±10%.

Model	Version Description	Part number
SF 26CT LP	6.5" LowProfile 2-Way Ceiling Spkrs, Complete Pair	60-1881-03
BCK SF 26CT LP	SF 26CT Low Profile back can only, pair, 1 of 2	70-1283-01
DAK SF 26CT LP	SF 26CT LP driver/baffle assembly only, pair, 2 of 2	70-1283-03

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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