





CELLO SERIES CF 15

Compact Design, Massive Impact: Loudspeakers that Deliver

The CF 15 is the largest model in the CF series, offering deep low-frequency response and high-output reinforcement. It features a 15" LF driver with a 4" voice coil, paired with a 1" compression driver on a 1.7" voice coil, mounted on a 60° × 50° constant directivity horn for precision coverage.

Built from rugged Baltic birch, it delivers power, clarity, and extended lows—performing well even without a subwoofer. Ideal for clubs, touring rigs, theatres, and live venues, it provides natural, uncoloured sound in demanding environments.

The CF 15 can also function as a stage monitor, delivering performers a detailed, full-range mix.

KEY FEATURES

- Compact, two-way system
- 60° x 50° horn
- Mounting points behind the cabinet
- Large port behind the cabinet
- Can double as a stage monitor & top hat

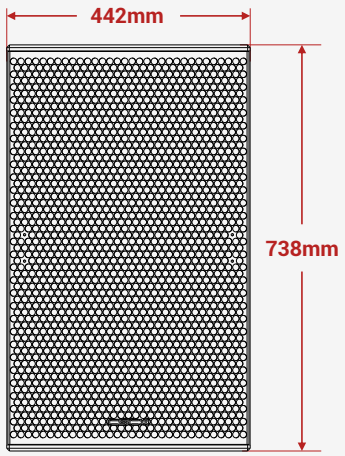
SYSTEM APPLICATIONS

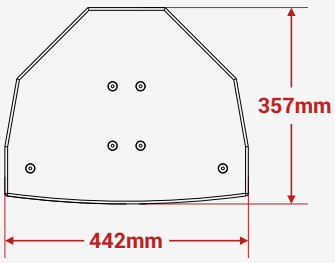
- A/V applications and presentations
- Live performances
- Clubs reinforcement
- Stage monitoring
- Convention centres
- Auditoriums
- Places of worship
- Ideal for installation and mobile use

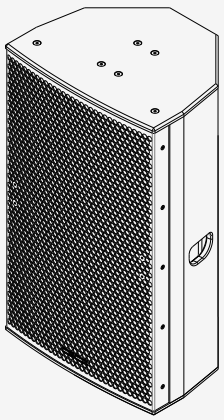
CREATIVE SOUND CONCEPTS

MODEL NO	CF 15
Type	Compact two way full range
Frequency Response (1)	45 Hz-19.5 kHz ± 3 dB
Drivers	LF: 15" (375 mm) with a 4" (100 mm) voice coil, HF: 1" (25 mm) compression driver with an 1.7" (44 mm) voice coil
Recommended Amplifier Upto	1400 watts
Sensitivity (1 W / 1 m)	97 dB
Maximum SPL (9)	124 dB continuous, 130 dB Max
Nominal Impedance	8 ohms
Dispersion	60° x 50°
Crossover	HPF 45 Hz full range / 100 Hz with sub
Enclosure	Baltic birch ply
Finish	Non-toxic Textured black paint
Protective Grill	Perforated steel
Connectors	2 x Neutrik NL4
Pin Connections	Input: ± 1, Link through: ± 2
Standard Colours	Black
Fittings	Rear/ Top standard mounting points, Top hat
Horn	Rotatable
AES Power Handling	700 watts / 60 watts
Maximum/ Continuous/ Program Power	1400 watts / 120 watts
Peak Power	2800 watts / 240 watts
Accessories	Wall / ceiling mount bracket, Extension pipe
Dimensions - Product (in mm)	(W) 442 x (H) 738 x (D) 357
Dimensions - Including packing (in mm)	(W) 500 x (H) 805 x (D) 415
Net Weight (kgs)	33
Shipping Weight (kgs)	36

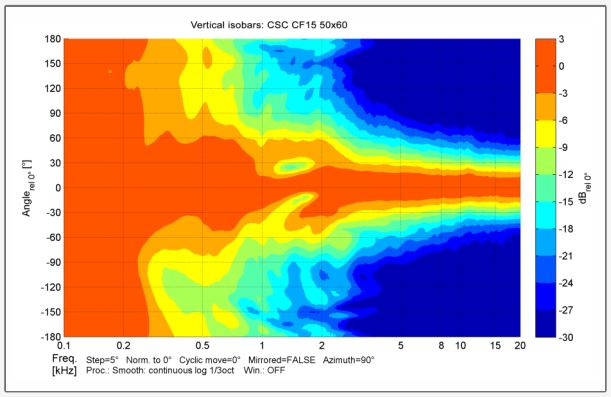
Mid highs measured on-axis in full space @ one watt/1-meter using band-limited pink noise in the en-devour to continuously improve the product with design refinements introduced into existing products. Any current CSC product may differ in some respect from its published description. However, this will always equal or exceed the original design specifications. Every CSC Product is built to the highest standards and tested to ensure that it meets the performance criteria specified.

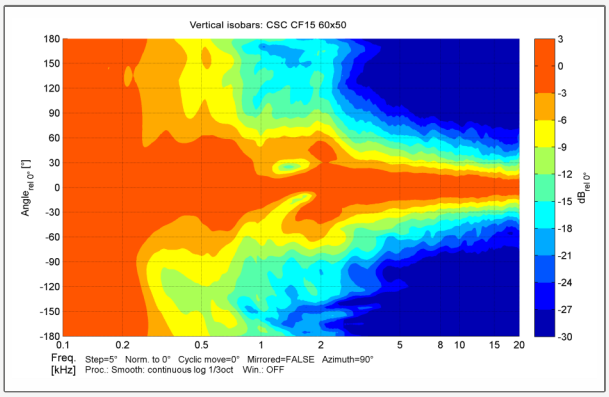






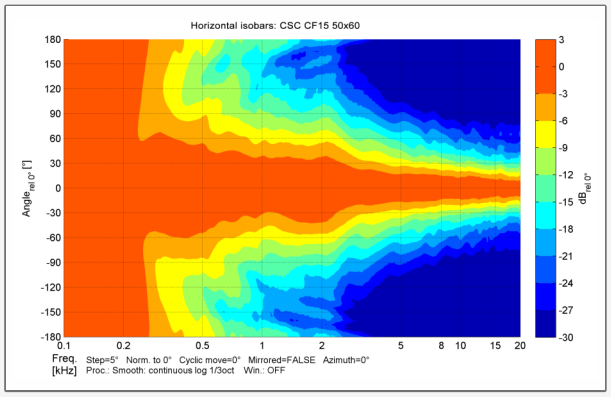
Vertical Polar Coverage (-6 dB)

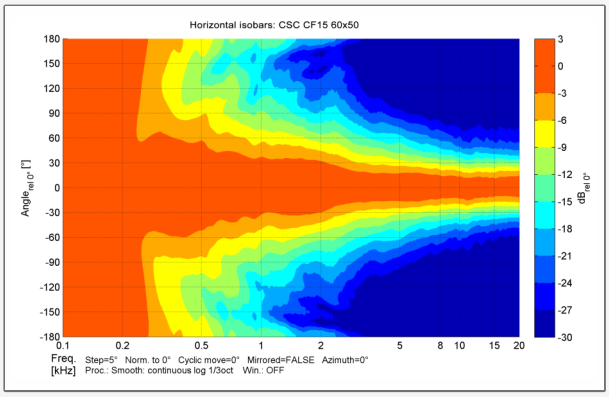




Maintains precise 50-degreevertical control from 1000 Hz onwards.

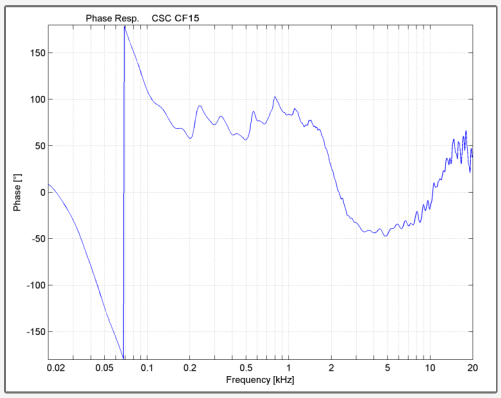
Horizontal Polar Coverage (-6 dB)





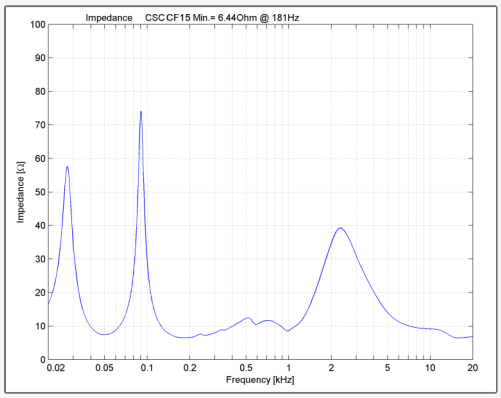
Narrow and smooth horizontal coverage from 500 Hz onwards with an average 60 degrees dispersion up to 10 KHz.

Phase Response



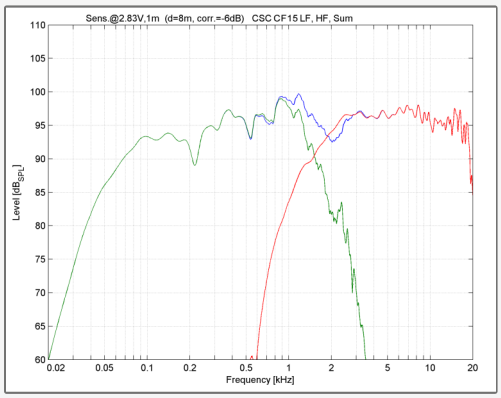
Smooth response yields minimal phase distortion, enhancing clarity for both music and speech.

Impedance Plot



8-ohm impedance supports flexible amplifier configuration and stable load across usage scenarios.

Frequency Response (Crossover Split)



Extended response from 60 Hz to 18.5 kHz with efficient LF-HF crossover transition for impactful delivery.

Plot/Detail	Why It's Important
Beamwidth vs Frequency Plot	Shows how coverage narrows or widens across different frequencies, helping optimize speaker placement and aiming in acoustically diverse spaces.
Directivity Index (DI) & Q Factor	Useful for acoustic simulation and modeling; helps predict how focused or diffuse the sound will be in complex installations.
Total Harmonic Distortion (THD)	Indicates how clean and linear the speaker remains under real-world operating power, critical for maintaining clarity at high SPL.
SPL vs Input Voltage	Maximum SPL is up to 125db.
Sensitivity Graph	Validates the published 98 dB (1W/1m) sensitivity by frequency, ensuring accurate prediction of coverage and level in simulations.
Polars (1/3 Octave)	Provides off-axis response details at 500 Hz, 1 kHz, 2 kHz, 4 kHz, and 8 kHz for more accurate prediction in multi-speaker setups.