



STRING SERIES ST 12 / ST 12t

Compact Design, Massive Impact: Loudspeakers that Deliver

The String ST 12 / ST 12t is two-way full range passive cabinet designed to provide exceptional sound reinforcement as a standalone unit or with a sub-woofer. It can be used both in indoor and outdoor spaces. Crafted in Baltic Birch, this cabinet is a perfect option for installation and mobile use. The crossover design focuses on minimizing heat build-up, ensuring no compromise on transient response.

The String ST 12 / ST 12t being in an outdoor garden, an outdoor swimming pool, or a public space, is a versatile solution with a 100v built-in transformer.

String ST 12 / ST 12t features a 12" (300 mm) low-

frequency driver and a 1" (25 mm) exit compression driver with a 1.4" (44 mm) voice coil mounted on a constant directivity of 55° x 45° horn. Depending on the application, the cabinet can be used either in its vertical or horizontal orientation.

String ST 12 / ST 12t performs perfectly out of the box. For demanding applications, the CSC Maestro MS 26 controller is configured to perform with it's EQ and limiter functions are pre-loaded into the controller. Contrabass ST 18s, CB 12s, CB 15s, CR 18s are a perfect match for ST 12 / ST 12t. CR 218s, RR 212s, RR 215s.

KEY FEATURES

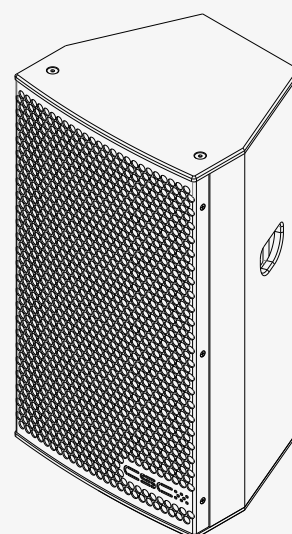
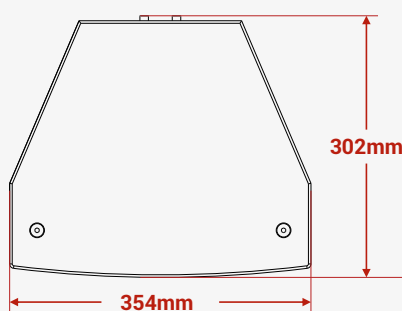
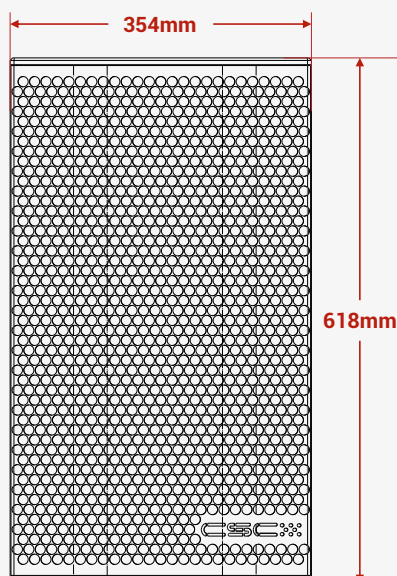
- Compact, two-way system
- Horn 55° x 45°
- Flexible mounting options
- Ideal for indoor and outdoor installations
- With a perforated grill
- Standard black finish
- Rear/Top standard mounting points, Top Hat

SYSTEM APPLICATIONS

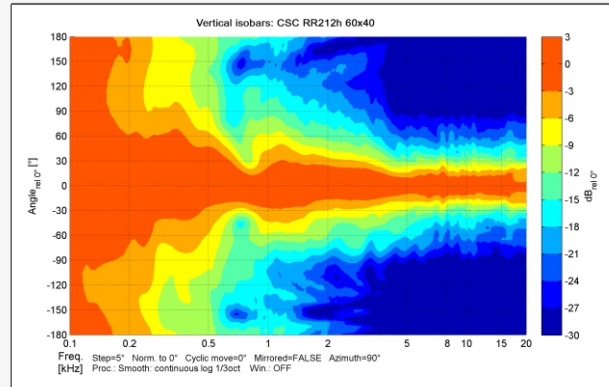
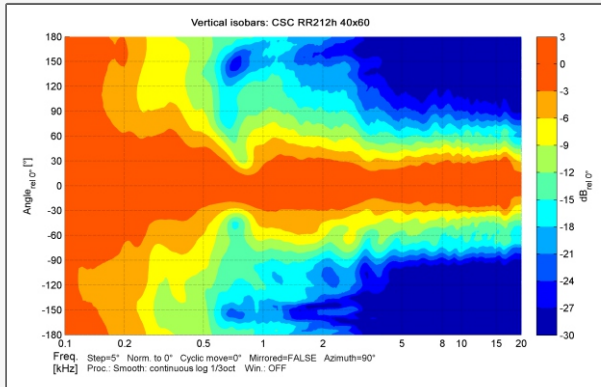
- A/V applications
- Speech and presentations
- Fillers for large installs
- small bands
- Bars and lounges
- Places of worship
- gymnasiums

MODEL NO	ST 12 / ST 12t
Type	Two way passively crossed over full range loudspeaker
Frequency Response	65 Hz-19.5 kHz \pm 3 dB
Drivers	LF:12" (300 mm) + 1.4" HF
Recommended Amplifier Upto	500 watts
Sensitivity (1 W / 1 m)	98 dB
Maximum SPL (9)	121dB continuous, 126dB Max
Nominal Impedance	8 ohms/100v with tapings of 150/75/25w
Crossover	Low pass without subwoofer 65Hz, with subwoofer 100Hz
Enclosure	Baltic Birch Ply
Finish	Non-toxic Textured black paint
Protective Grill	Perforated steel
Connectors	Binding post
Pin Connections	Red positive, Blue negative
Standard Colours	Black
Fittings	Rear / Top standard mounting points
Horn dispersion	55° x 45°
Nominal/ AES Power	250 watts / 60 watts
Maximum/ Continuous/ Program Power	500 watts / 120 watts
Peak Power	1000 watts / 240 watts
Dimensions - Product (in mm)	(W) 354 x (H) 618 x (D) 302
Dimensions - Including packing (in mm)	(W) 415 x (H) 675 x (D) 370
Net Weight (kgs)	17
Shipping Weight (kgs)	19

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.

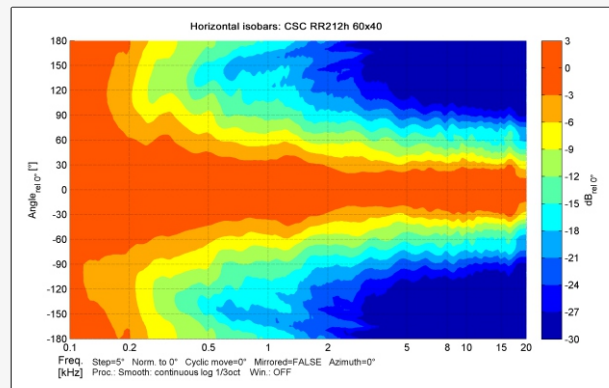
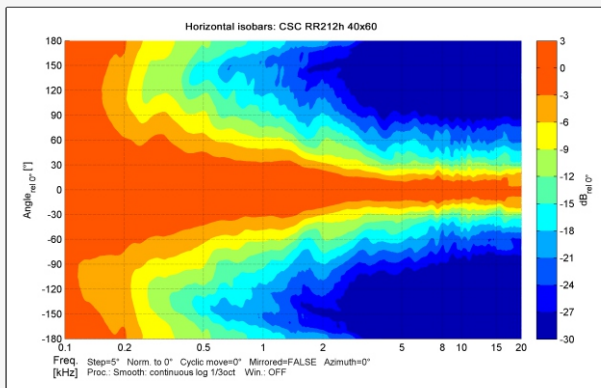


Vertical Polar Coverage (-6 dB)



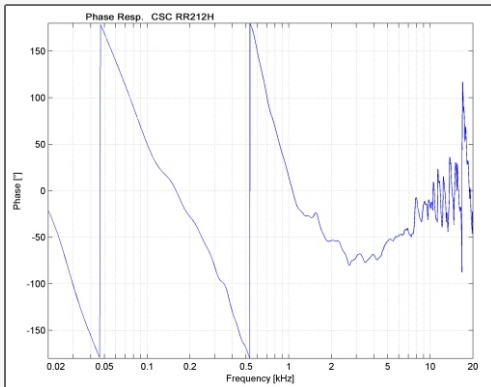
Maintains precise and smooth 45-degree vertical control upto 10KHz.

Horizontal Polar Coverage (-6 dB)



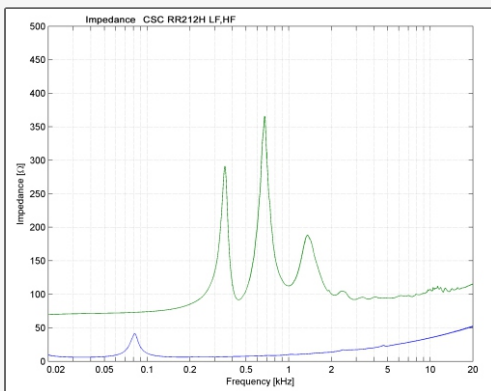
A smooth and consistent horizontal coverage from 500 onwards with an average 60 degrees dispersion for intelligible audio.

Phase Response



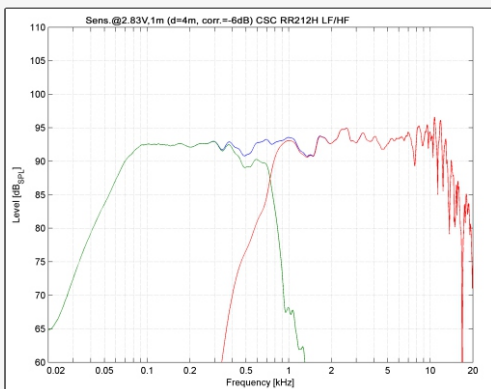
Smooth response yields minimal phase distortion, enhancing clarity for both music and speech.

Impedance Plot



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

Frequency Response (Crossover Split)



Extended response from 65 Hz to 18.5 kHz with efficient LF-HF crossover transition.

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 nominal SPL of up to 122db.

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.