





CELLO SERIES RR 15h

Compact Design, Massive Impact: Loudspeakers that Deliver

The Cello RR 15h is a powerful, versatile bi-amped two-way full-range loudspeaker cabinet designed to provide exceptional sound reinforcement. It features a powerful and fast 15" (375 mm) low-frequency transducer housing a 3" (77 mm) voice coil. Reinforcing the HF section of this cabinet lies a powerful 2" (50 mm) neodymium compression driver (with a 2.5" (65 mm) voice coil) mounted on a 60° x 40° horn which has constant directivity and is rotatable.

Crafted in Baltic birch, it is perfectly designed for touring and high-end installation. Natural and uncolored timber makes the cabinet perfect for use without a sub-woofer. Its high sensitivity driver's unique construction focuses on accuracy and power.

The use of a Maestro MS 26 controller is a recommended choice with the RR 15h. The cabinet is perfect for live applications or a pounding nightclub.

The Contrabass CR 218s, CB 215s, RR 212s, RR 215s, Harmonica s, Harmonica 3s and RRH 218s sub-woofers seamlessly couple with the Cello RR 15h.

KEY FEATURES

- Compact two-way bi-amped system
- Dispersion 60° x 40°
- Rear/Top standard mounting points
- Top Hat

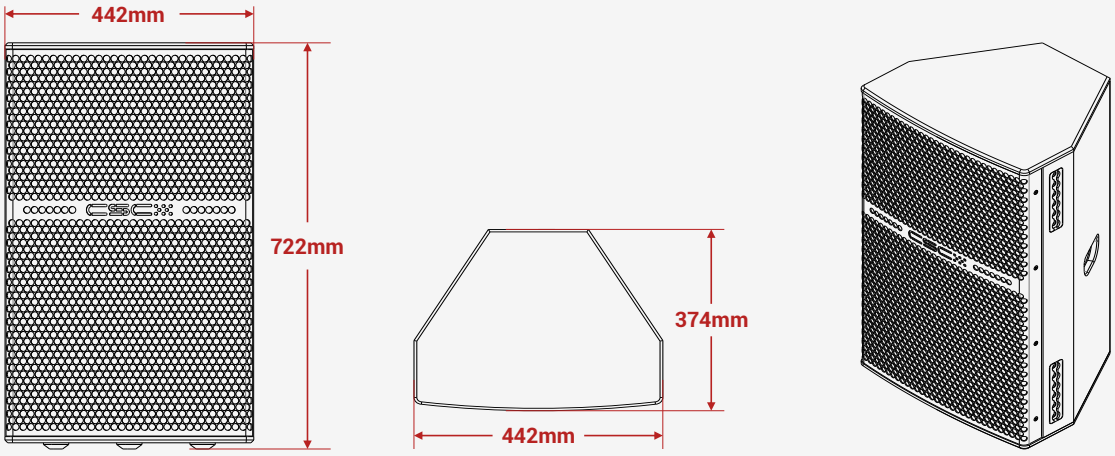
SYSTEM APPLICATIONS

- Live band
- Cinema
- Auditoriums
- House of worship
- Club sound enhancement

CREATIVE SOUND CONCEPTS

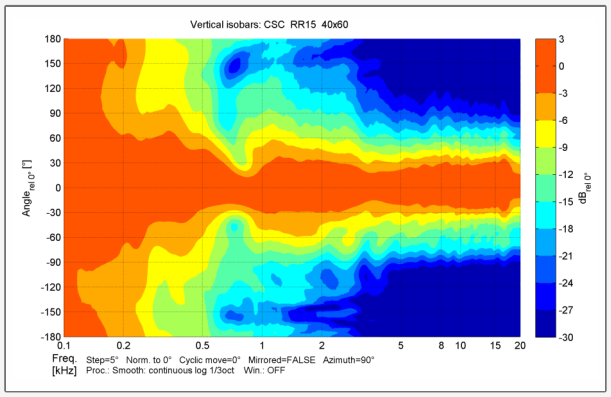
MODEL NO	RR 15h
Type	Bi-amped two way mid high configured for medium throw application
Frequency Response (1)	70 Hz-17.5 kHz ± 3 dB
Drivers	LF: 15" (375 mm) with a 3" (77mm) voice coil, HF: 2" (50mm) compression driver with a 2.5" (65mm) voice coil
Sensitivity (1 W / 1 m)	99/109 dB
Maximum SPL (9)	124/130 dB continuous, 135/137 dB Max
Nominal Impedance	LF-8 ohms, HF-8 ohms
Dispersion	60° x 40°
Crossover	HPF 100 Hz
Enclosure	Baltic birch ply
Finish	Non-toxic Textured black paint
Protective Grill	Perforated steel
Connectors	2 x Neutrik NL8
Pin Connections	Input LF: ± 3, HF: ± 4; Link through LF: ± 3, HF: ± 4
Standard Colours	Black
Fittings	Flying rails, Top hat
Horn	Rotatable
AES Power Handling	500 watts / 80 watts
Maximum/ Continuous/ Program Power	1000 watts / 160 watts
Peak Power	2000 watts / 320 watts
Accessories	Speaker poles, Felted waterproof covers, Flying hardware
Dimensions - Product (in mm)	(W) 442 x (H) 722 x (D) 374
Dimensions - Including packing (in mm)	(W) 500 x (H) 793 x (D) 437
Net weight (kgs)	28
Shipping Weight (kgs)	31

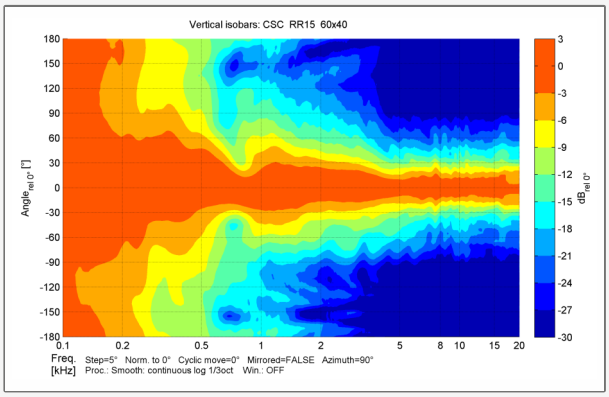
Mid highs measured on-axis in full space @ one watt/1-meter using band-limited pink noise in the en-devour to continuously improve the product with design refinements introduced into existing products. Any current CSC product may differ in some respect from its published description. However, this will 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.



CREATIVE SOUND CONCEPTS

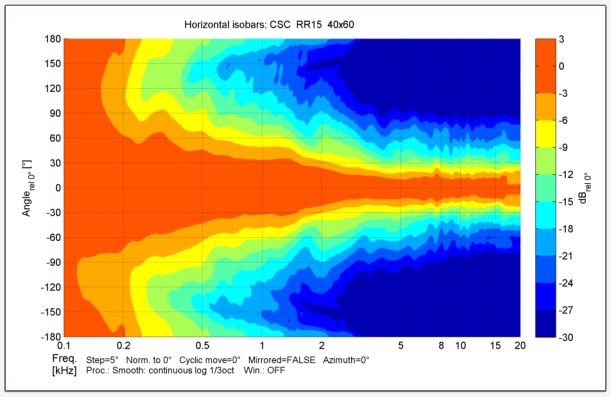
Vertical Polar Coverage (-6 dB)

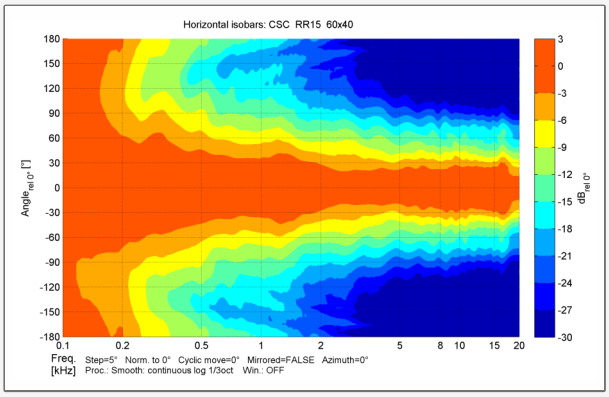




Designed for medium-throw use, the RR 15h maintains uniform vertical dispersion of 40 degrees right up to 15 kHz. The vertical isobars show a smooth transition as the frequency increases from 500hz to 16 Khz.

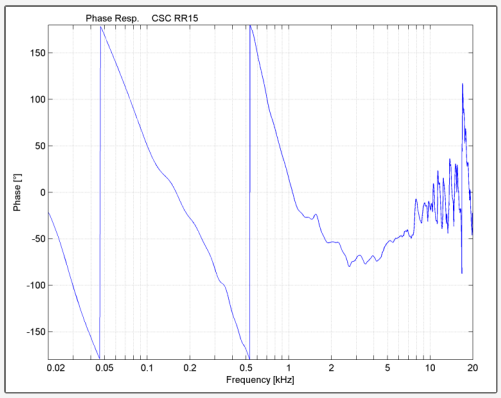
Horizontal Polar Coverage (-6 dB)





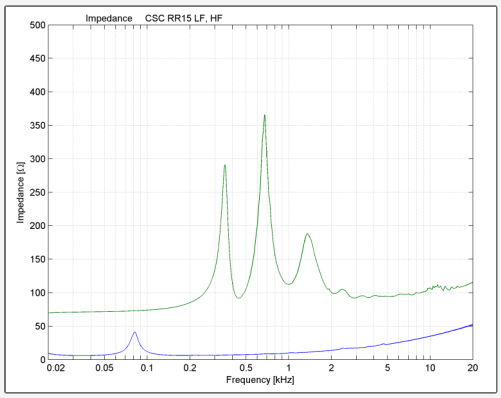
Maintaining a uniform vertical dispersion of 60 degrees right up to 15 kHz. The vertical isobars show a smooth transition as the frequency increases from 500 Hz to 17 Hz.

Phase Response



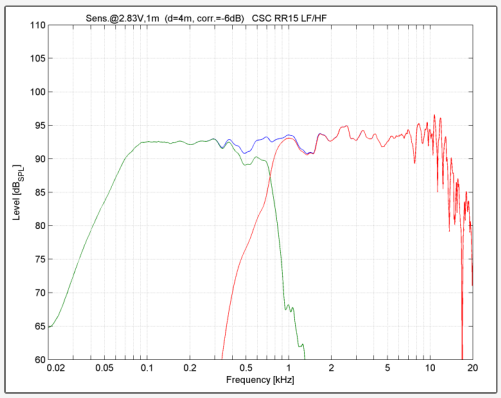
Minimal crossover phase between 1kHz and shift around 14 kHz supports strong vocal clarity and music detail.

Impedance Plot



Nominal 8-ohm impedance simplifies amplifier selection.

Frequency Response (Crossover Split)



With a smooth response, it has a frequency response from 65 Hz to 18.5 kHz. Designed for full-range clarity or integration with a bass cabinet.