

RR 212hl

GENERAL DESCRIPTION

CSC's RR 212hl is a passive bi-amp driven, 3-way arrayable point source horn-loaded Mid-high loudspeaker. The LF section features two highly sensitive 12" drivers loaded using V-chamber aided reflex-tuning for high SPL's and controlled dispersion. The horn supporting the 1" HF in the HMF section acts as a phase plug, increasing the mid and high section's sensitivity and directivity. The 8" midsection seamlessly crosses over into a 1" HF using a proprietary horn through a low loss passive network. The HMF section being coaxially horn-loaded gives a great solution for both install and touring sound applications. Its cleverly designed Horn acts as an acoustical amplifier enhancing its sensitivity and directivity. The increase in mid-band SPL helps to propagate the highest of frequencies without a compromise in power. This design allows the cabinet to perform extraordinarily in reverberant environments.

The throw comes from an array of low-frequency drivers. With this design, a 3x3 array throws better than 2x2. Larger arrays increase the directivity at low frequencies. A 3x3 array will focus sound better than 2x2 due to its directivity advance and front field extension. Arrays can also be easily mixed. We use a 3x3 format of RR 212hl-40 for long-throw with two single RR212hl-90 cabinets for the near field. For large stages, a hang of three deep RR 21 2hl-90 is a center fill.

The CSCRR 212hl has three variants having different dispersions (VxH).

- ▶ RR 212 hl-40 40x 40
- ▶ RR 212 hl-60 40x 60
- ▶ RR 212 hl- 90 40x 90

SYSTEM APPLICATIONS:

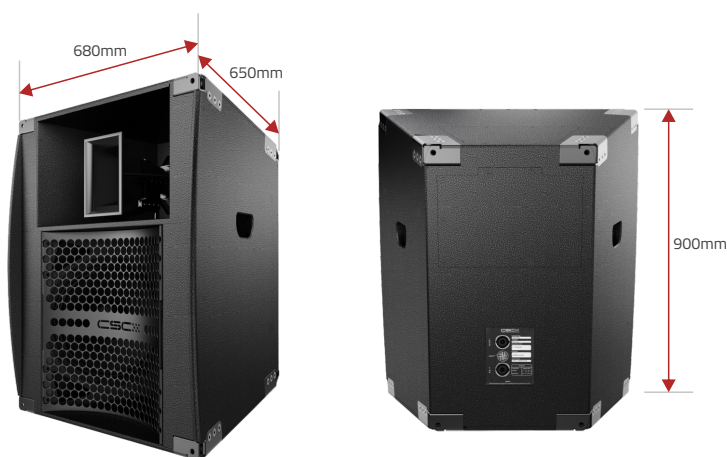
Best used in:

- ▶ Live performance
- ▶ Church
- ▶ Auditoriums
- ▶ Stadiums
- ▶ Large Night Clubs



MODEL NO	RR 212hl-40 / RR212hl-60 / RR212hl-90
Type	Bi-amped, semi horn-loaded, three-way, Long throw, Mid-high
Frequency Response	75 Hz-20.5 kHz \pm 3 dB
Dispersion	40° x 40°, 40° x 60°, 40° x 90°
Nominal Impedance	LF ; 8 Ohms , HMF :8 Ohms
Drivers	LF: 2x12" with a 2.56" V C, MF: 8" with a 2" VC and HF:1" with a CD 1.4" VC
Horn	not rotatable
Rated Continuous Power Aes	600/250/60 Watts
Rated Maximum Power / Program Power	1200/500/120 Watts
Peak Power	2400/1000/240 Watts
Sensitivity (1watt / 1met)	LF : 103 , HMF : 108 dB
Maximum Spl Continuous/max	LF : 130 , HMF : 130 dB
Maximum Spl Peak	LF : 136 , HMF : 136 dB
Recommended Amplifier Upto	1200/500 Watts
Crossover	LF/HMF active, MF/HF passive
Enclosure	Baltic birch ply
Protective Grille	Perforated Powder-coated Steel
Connectors	2 x Neutrik NI8
Pin Connections	Input LF: \pm 3, HF: \pm 4 Link through LF \pm 3, HF: \pm 4
Standard Coloure	Black Texture
Fitting	Corner Brackets
Accessories	Speaker ground stacking separator, felted waterproof covers, flying hardware
Dimensions Including Packing	(W) 680 mm x (H) 900 mm x (D) 650 mm
Dimensions For Product	(W) 610 mm x (H) 780 mm x (D) 550 mm
Net Weight	48kgs
Shipping Weight	51kgs

Mid highs measured on-axis in full space @ one watt/1-meter using band-limited pink noise in the en-deavour 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.



SAFETY INSTRUCTIONS

- ▶ While flying the cabinets, employ appropriate hardware and techniques for safely suspending the enclosures.
- ▶ Follow all instructions that appear on specific loudspeaker datasheets.
- ▶ Inspect all hardware and flying apparatus regularly for any visual or mechanical failure.
- ▶ Leave adequate distance between speakers and the audience. Refer to your local authority for Health and Safety guidance when using loudspeaker systems.
- ▶ A CSC authorized technician should only program the CSC digital controller. Do not use CSC loudspeaker systems without the correct controller and the program. If a system fails due to incorrect controller use, the warranty is void.
- ▶ Protect your speakers and electronics from exposure to humidity, water, or rain.
- ▶ CSC loudspeakers and electronics are covered against defects in quality or materials for a period of two years from the original date of purchase. The CSC warranty does not cover any item that has failed due to user abuse, accident, and modifications in CSC's opinion.
- ▶ CSC's authorized service stations will repair/replaced and defective parts with no charge for materials/ labor. However, the item should be adequately packed and dispatched, pre-paid, to a CSC authorized distributor/service center.