

LA12c

3-Way Compact Horn Loaded Line Array Element



TECHNICAL SPECIFICATIONS



- Deep bass impact
- High SPL and low distortion
- Very smooth and clear sound
- Excellent and highly predictable dispersion control
- Fast, simple Integrated Rigging hardware

OVERVIEW

The LA12c is a compact version of the high successful LA12. The LA12c HF section uses a proprietary advanced wave converter device loaded by a constant directivity wave guide. The midrange section matches coherently through the same loading technique. A complete LA12c array can provide uniform sound coverage from directly beneath itself out to more than one hundred meters without complex signal processing. Vertical coverage for the array is set by varying the rear splay of the enclosures, leaving the fronts tight-packed. This configuration produces a continuous, coherent wavefront from the array, projecting extended range, high-resolution sound over its full coverage area.

Quality construction features include Baltic birch plywood enclosures, heavy-duty steel grilles and Neutrik NL8 connectors.

Technical Data	
Speaker Type:	Horn-Loaded 3-Way Line Array Element
Acoustical Data	
Frequency Response (-6dB):	65Hz - 19.000Hz
Low Frequency Extension (-10dB):	56Hz
Sensitivity (1W@1m) LF:	100dB (Full-Space)
Sensitivity (1W@1m) MF:	106dB (Full-Space)
Sensitivity (1W@1m) HF:	108dB (Full-Space)
Calculated Max. SPL (Cont/Peak):	129dB/135dB (Full-Space)
Calculated Max. SPL (Cont/Peak) LF:	129dB/135dB (Full-Space)
Calculated Max. SPL (Cont/Peak) MF:	133dB/139dB (Full-Space)
Calculated Max. SPL (Cont/Peak) HF:	131dB/137dB (Full-Space)
Coverage Angle -6dB (HxV):	90° (Down to 350Hz) x 8°
Drivers	
Low Frequency:	1 x 12" (300mm)/3" (76mm) VC, Neodymium, B&C custom speaker
Mid Frequency:	2 x 6.5" (170mm)/1.5" (38mm) VC, B&C custom speaker
High Frequency:	3 x 1" (25mm) exit/1.7" (44mm) VC, B&C custom compression driver
Electrical Data	
Program/Peak Power LF:	800W/1600W (10ms)
Program Power/Peak MF:	480W/960W (10ms)
Program/Peak Power HF:	180W/360W (10ms)
Nominal Impedance LF:	8
Nominal Impedance MF:	16
Nominal Impedance HF:	32
Crossover frequency/Type (LF to MF):	400Hz Linkwitz/Riley 24dB/oct
Crossover frequency/Type (MF to HF):	3000Hz Linkwitz/Riley 24dB/oct
Recommended High-Pass Filter:	50Hz, 18dB/oct Butterworth
Connectors:	2 x Neutrik NL8
Enclosure	
Construction:	15mm multi-laminate birch ply
Finish:	Textured black semi-matte coating
Protective grill:	Black perforated steel
Fittings:	Adjustable (0° to 8°) rigging system
Handles:	1 on each side, 1 on the back
Dimensions (WxHxD):	845 x 394 x 547 mm
Net Weight:	54 kg