

LA122

2-Way Compact Line Array Element



- Very smooth and clear sound
- 12" and 2 x 1.4" neodymium drivers
- Extremely smooth horizontal and vertical coverage
- Extremely versatile
- Integrated hardware for flying or ground stack

OVERVIEW

LA122 compact line array system joins the LA12 family of professional sound touring products. The system incorporates an impressive battery of high tech features that take compact line array systems to an unprecedented level of performance.

The LA122 incorporates a special 12" low frequency transducer employing a 75 mm (3") voice coil and neodymium magnet motor assembly. High frequency reproduction relies on the exceptional characteristics of two 1.4" neodymium compression drivers designed for use in applications where high SPL and low distortion are required. A pure titanium diaphragm featuring a 65 mm copper-clad, aluminium flat-wire voice coil yields high sensitivity, low distortion and extended frequency response.

The two HF drivers are loaded by a wave converter with path length equalization, the ICWG, that transforms the spherical waves into cylindrical isophasic waves coupling seamlessly with the others high frequency transducers of the array.

TECHNICAL SPECIFICATIONS

Technical Data	
Speaker Type:	Passive 2-Way Line Array Element
Acoustical Data	
Frequency Response (-6dB):	58Hz - 19.000Hz
Low Frequency Extension (-10dB):	48Hz
Sensitivity (1W@1m) LF:	100dB (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) HF:	133dB/139dB (Full-Space)
Coverage Angle -6dB (HxV):	90° x 8°
Drivers	
Low Frequency:	1 x 12" (300mm)/3" (76mm) VC, Neodymium, B&C custom speaker
High Frequency:	2 x 1.4" (36mm) exit/2.5" (65mm) VC, B&C custom compression driver
Electrical Data	
Program/Peak Power LF:	800W/1600W (10ms)
Program/Peak Power HF:	320W/640W (10ms)
Nominal Impedance LF:	8
Nominal Impedance HF:	16
Crossover frequency/Type:	1150Hz Linkwitz/Riley 48dB/oct
Recommended High-Pass Filter:	45Hz, 18dB/oct Butterworth
Connectors:	2 x Neutrik NL4
Enclosure	
Construction:	15mm multi-laminate birch plywood
Finish:	Semi-Matte Black Textured Coating
Protective grill:	Black Perforated Steel
Fittings:	Adjustable (0° to 8°) rigging system
Handles:	1 on each side
Dimensions (WxHxD):	677 x 350 x 450 mm
Net Weight:	32.8 kg
Shipping Weight:	34.8 kg