
TLA308

BLACKBIRD Line Array Loudspeaker System



acoustic technologies

The Acoustic Technologies TLA308 Line Array Loudspeaker System is an innovative 3-way design, featuring two high output 8" Neodymium transducers, one of which is dedicated to the L.F. band. The second transducer handles both L.F. and mid-band information. This arrangement offers superb low frequency performance whilst maintaining a phase coherent output in the mid-band.

The H.F. domain is handled by two 1" exit compression drivers coupled to an Isophasic Diffraction Aperture offering horizontal H.F. dispersions of 60°, 90° and 150° in symmetrical or asymmetrical configurations. Vertical dispersion is determined by the length and curvature of the array.

The proprietary Blackbird Flying Hardware System is an integral part of the design allowing vertical arrays of up to 24 cabinets to be easily suspended. Inter-cabinet angles are adjustable in 1° increments, from 0° to 10°, with the pivot point located at the front baffle to maintain the integrity of the H.F. Aperture.

The flying system is designed so that all parts are captive to the cabinet frame ensuring no parts are lost in transit. The fly-header bar may be inverted for ground stack applications.

The extensively braced cabinet is constructed entirely from premium grade, void free Finnish Birch ply and is fitted with a rugged perforated steel grille to protect the transducers. The cabinet is finished in black AcoustiCoate elastomer and fitted with dual NL8 Speakon connectors with loop thru connections for Sub Bass provided.

The TLA308 Blackbird Line Array System is ideal for compact touring systems, outdoor music festivals and sporting events, corporate presentations and a wide range of in-house sound reinforcement applications including houses of worship, theatres and showrooms.

TLA308 BLACKBIRD Line Array EXCELLENCE IN AUDIO

TLA308
Blackbird Line Array

TLA308
Blackbird Line Array

FEATURES

- True Coherent Line Array Performance
- Flyable, Arrayable & Ground Stacked
- Integrated Flying Hardware
- Compact Design
- 3 Year Warranty

SPECIFICATIONS

Transducer Complement		1 x 8" Low Transducer 1 x 8" Low/Mid Transducer 2 x 1" H.F. Compression Driver
Frequency Response	Low	60 Hz - 6 kHz \pm 3 dB
	Mid	60 Hz - 6 kHz \pm 3 dB
	High	500 Hz - 20 kHz \pm 3 dB
Sensitivity	Low	94 dB @ 1 watt, 1 metre
	Mid	..94 dB @ 1 watt, 1 metre
	High	106 dB @ 1 watt, 1 metre
Maximum Input Continuous	Low	200 Watts RMS
	Mid	200 Watts RMS
	High	80 Watts RMS
Maximum Input Program	Low	400 Watts Program
	Mid	400 Watts Program
	High	120 Watts Program
Maximum Input Peak Program	Low	800 Watts Peak Program
	Mid	800 Watts Peak Program
	High	160 Watts Peak Program
Maximum SPL Peak Program Flat Array (Calculated)	1 Cabinet	123 dB @ 1 metre
	2 Cabinets	129 dB @ 1 metre
	4 Cabinets	135 dB @ 1 metre
Nominal Impedance	Low	16 Ohms
	Mid	16 Ohms
	High	16 Ohms
High Frequency Dispersion	Horizontal	User installed H.F. Wave Guides to provide 60°, 90° or 150°
	Vertical	Single cabinet less than 10° Arrayed system determined by array size.
Curved Array Cabinet Angle		Maximum 10° between adjacent cabinets.
Recommended Crossover Frequencies and Filter Slopes		Refer to Acoustic Technologies for Factory Recommended system settings. See website for further details
Physical Size		606mm(W) x 230mm(H) x 490mm(D)
Net Weight		26 Kg
Connectors		2 x NL8MP Speakon Connectors
Cabinet Finish		AcoustiCoate Black Elastomer Finish.
Grille Finish		Black Powder Coat Paint Finish.
Flying Hardware	Load Rating	TLA308 Flying Hardware System.
	Safety Factor	3x TLA308B + 24x TLA308 cabinets Greater than 10. (Confirmed by destructive testing)
Top Flying Frame	Dimensions	TFF308 Flying Frame 610mm(W) x 145mm(H) x 915mm(D)
	Application	Ground Stacked or Flown Systems
	Weight	24Kg
	Load Rating	3x TLA308B + 24x TLA308
	Safety Factor	Greater than 10. (Confirmed by destructive testing)

The TLA308 enclosure is constructed of high quality void free Finnish Birch Ply.

The transducers are protected by a rugged perforated steel grille. Acoustically transparent PVC foam is bonded to the mesh providing a durable, visually appealing finish.

Sensitivity, Maximum Power and SPL measurements are conducted in accordance with the AES 24 Hour Pink Noise Standard.

Acoustic Technologies reserve the right to alter or amend the TLA308 Blackbird Line Array Loudspeaker without prior warning in the interests of product improvement.

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APPLICATIONS

- **Live Music Presentations**
- **Dance Clubs**
- **Outdoor Sporting Events**
- **Houses of Worship**
- **Corporate Presentations**
- **Concert Sound**
- **Festivals**
- **Public Events**
- **Live Theatre**
- **Compact Touring Systems**



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