

TLA306

BLACKBIRD Line Array Loudspeaker System



acoustic technologies

The Acoustic Technologies TLA306 Line Array Loudspeaker System is an innovative 3-way design, featuring two high output 6.5" Neodymium transducers. One transducer is dedicated to the L.F. band, the second reproduces the mid-band information.

The H.F. domain is handled by a 1" exit compression driver coupled to an Isophasic Diffraction Aperture offering horizontal H.F. dispersion of 150°. 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 16x TLA306 cabinets + 2x TLA306B sub bass 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 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 cabinet is also available in a range of custom finishes on request.

The TLA306 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.

TLA306
Blackbird Line Array

TLA306
Blackbird Line Array

FEATURES

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

TLA306 BLACKBIRD Line Array EXCELLENCE IN AUDIO

SPECIFICATIONS

Transducer Complement		1 x 6.5" Low Transducer 1 x 6.5" Mid Transducer 1 x 1" H.F. Compression Driver
Frequency Response	Low Mid High	63 Hz - 3.0 kHz \pm 3 dB 110 Hz - 3.5 kHz \pm 3 dB 1.5 kHz - 18 kHz \pm 3 dB
Sensitivity	Low Mid High	92.5 dB @ 1 watt, 1 metre 100 dB @ 1 watt, 1 metre 103 dB @ 1 watt, 1 metre
Maximum Input Continuous	Low Mid High	130 Watts RMS 130 Watts RMS 25 Watts RMS
Maximum Input Program	Low Mid High	260 Watts Program 260 Watts Program 38 Watts Program
Maximum Input Peak Program	Low Mid High	520 Watts Peak Program 520 Watts Peak Program 50 Watts Peak Program
Maximum SPL Peak Program Flat Array (Calculated)	1 Cabinet 2 Cabinets 4 Cabinets	120 dB @ 1 metre 126 dB @ 1 metre 132 dB @ 1 metre
Nominal Impedance	Low Mid High	16 Ohms 16 Ohms 16 Ohms
High Frequency Dispersion	Horizontal Vertical	150° 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		490mm(W) x 175mm(H) x 450mm(D).
Net Weight		17 Kg.
Connectors		2 x NL8MP Speakon Connectors.
Cabinet Finish		AcoustiCoate Black Elastomer Finish.
Grille Finish		Black Powder Coat Paint Finish.
Flying Hardware	Load Rating Safety Factor	TLA306 Flying Hardware System. 2x TLA306B + 16x TLA306 cabinets Greater than 10. (Confirmed by destructive testing)
Top Flying Frame	Application Dimensions Weight Load Rating Safety Factor	TFF306 Flying Frame Ground Stacked or Flown Systems 462mm(W) x 146mm(H) x 473mm(D) 9Kg 2x TLA306B + 16x TLA306. Greater than 10. (Confirmed by destructive testing)

TLA306

Blackbird Line Array

APPLICATIONS

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



The TLA306 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 TLA306 Blackbird Line Array Loudspeaker without prior warning in the interests of product improvement.

Acoustic Technologies

8-10 Staple Street
Seventeen Mile Rocks
Brisbane, Qld 4073
Australia

Phone (07) 3376-4122
Fax (07) 3376-5793

International

Phone 617 3376-4122
Fax 617 3376-5793

Email & Internet

info@atprofessional.com.au
www.atprofessional.com.au