ALA07C

Beam Steered Line Array Loudspeaker System

acoustic technologies

Acoustic Technologies ALA07C Series beam steered line arrays are a new range of high definition line array loudspeaker systems with advanced steering capability in the vertical plane.

Consisting of two standard models, with custom versions available, the ALA07C Series is precision engineered to offer unparalleled control over vertical directivity whilst simultaneously allowing a wide degree of beam steering capability. With suitable signal processing and amplification, beam angles from 0º to 40º are readily achieved. Due to the precisely defined vertical dispersion pattern the ALA07C Series arrays are the optimal solution for speech reinforcement in highly reverberant or acoustically challenging spaces.

The ALA07C Series loudspeakers use seven precision engineered 78mm Neodymium cone transducers to deliver the low and mid frequency program information with exceptional sonic detail. High frequency reproduction is provided by either a constant directivity horn with 1” exit compression driver for the ALA07C Type H, or a passively tapered tweeter assembly for the ALA07C Type T.

The Acoustic Technologies ALA07C Series is eminently suited to a wide range of demanding audio applications requiring a highly directional, high intelligibility loudspeaker system at full range frequencies. Typical installation applications would include Houses of Worship, Art Galleries and Museums, Airport and Commuter Rail announcement systems, Law Courts and Exhibition Spaces.

ALA07C **EXCELLENCE IN AUDIO**

ALA07C

ALA07C Line Array

FEATURES

- **Line Array Dispersion and Pattern Control**
- **0º to 40º Beam Steering Angles**
- **High Intelligibility In Difficult Acoustic Environments**
- **Many Decor Matched Powdercoat Colours Available**

SPECIFICATIONS

Transducer Complement	**Steered Array** **H.F. Type H** **H.F. Type T**	7 x 78mm Transducer 1 x 1" exit H.F. Transducer + Horn 3 x Soft Dome Tweeter
Frequency Response		80 Hz - 22 kHz ± 3 dB (DSP Processed)
Sensitivity		93 dB @ 1 watt, 1 metre
Maximum Input **(Steered Array + H.F.)**	**Continuous** **Program**	130 Watts RMS 260 Watts Program
Maximum SPL **(Calculated)**	**Continuous** **Program**	113 dB @ 1 metre 116 dB @ 1 metre
Steering Angle		0º - 40º (DSP Processed)
Nominal Impedance		8 Ohms (Each transducer and H.F.)
Physical Size		Refer to 3 View Line Drawings on website for dimension data
Weight		4.4Kg (Varies slightly with H.F. & Brackets)
Environmental Rating		IP65 (Dependant on Grille Treatment)
Connectors		Screw Terminals or Sealed Flying Lead
Hardware		Mounting Brackets
Finish Options		Powder Coat with 70+ colours available

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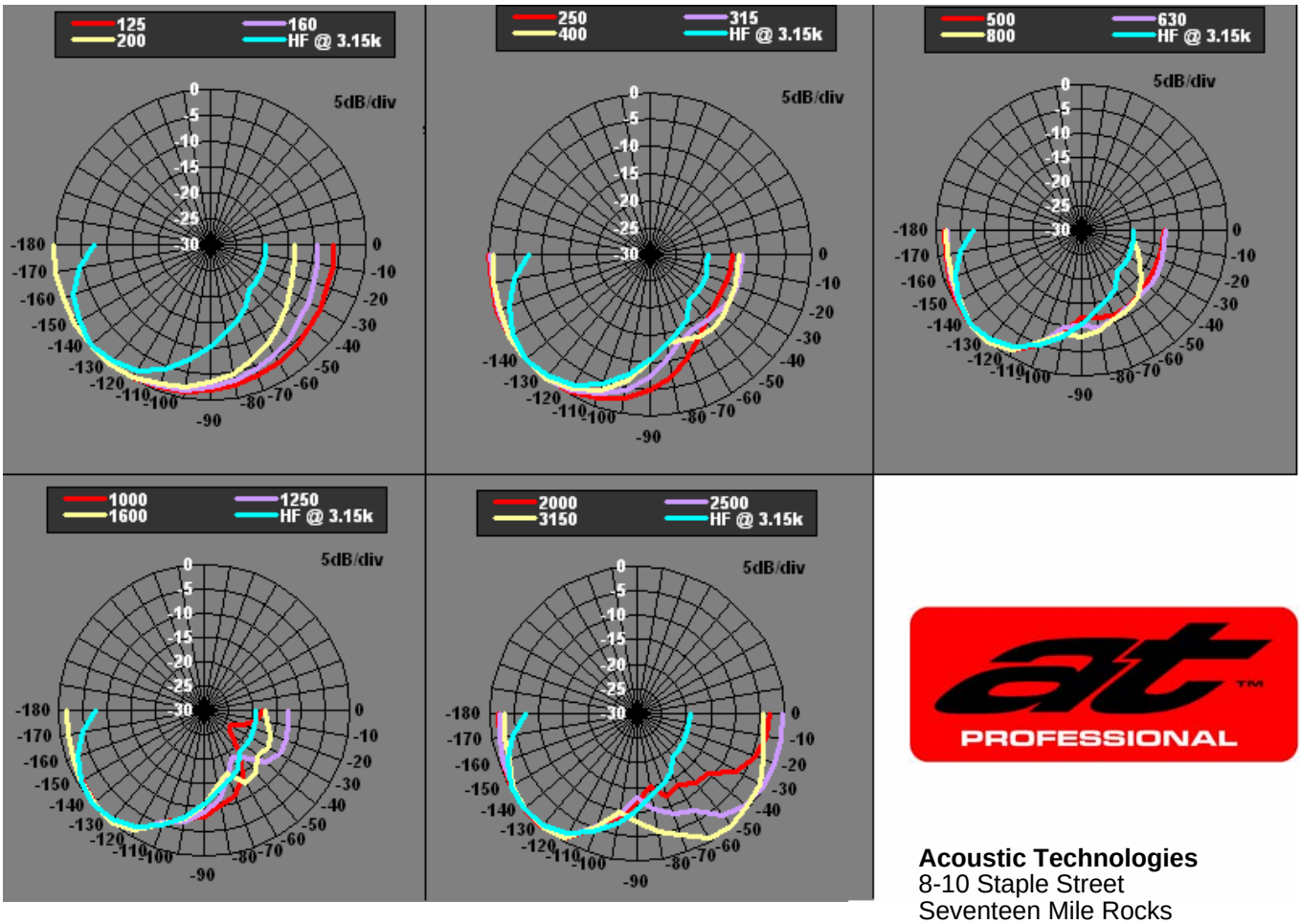
- **Houses of Worship**
- **Public Transport Areas**
- **Art Galleries and Museums**
- **Law Courts**
- **All Highly Reverberant Acoustic Spaces**



ALA07C Series enclosures are constructed using a custom architectural grade aluminium extrusion. The transducers are protected by a rugged perforated aluminium grille, acoustic foam and an optional stainless steel moisture barrier.

Acoustic Technologies provides a comprehensive 3 Year Parts and Labour Warranty

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 ALA07C Series enclosures, without prior warning in the interests of product improvement.

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