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Hybrid Line Array Series – HLA-16

DESCRIPTION

The **HLA-16** is a hybrid integration of a sixteen element J-array loudspeaker and a dipole directional low frequency loudspeaker. The J-array portion contains sixteen 3.5" mid-frequency drivers and sixteen ribbon high frequency drivers. The low frequency portion incorporates two 12" high output low frequency drivers in a unique staged dipole configuration to extend vertical LF control.

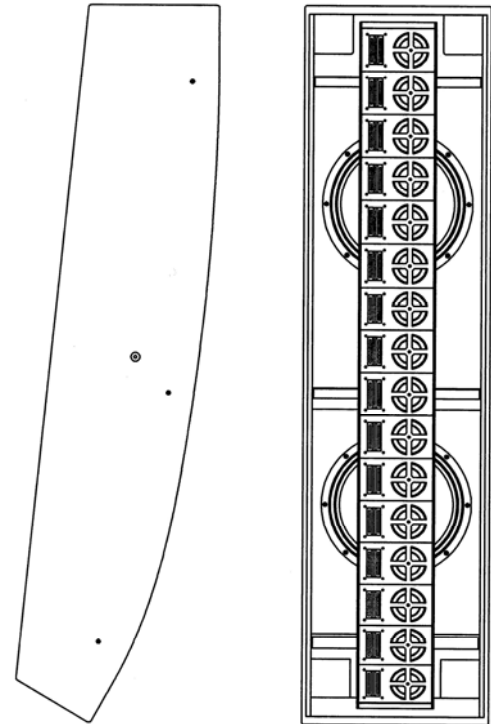
It has been preconfigured in an asymmetrical 35°V by 120°H coverage pattern with vertical directivity to 75 Hz, and low frequency response to 50 Hz. A single HLA-16 can provide full range coverage of both the front row and seats as far as 100 feet away with exceptional clarity and detail.

KEY FEATURES:

- asymmetrical 35° V x 120° H coverage
- vertical control to 75 Hz via staged dipole
- -3 dB low frequency response 50 Hz
- effective projection to 100 feet

APPLICATIONS:

- churches
- lecture halls
- presentation spaces
- performing arts centers



NOMINAL DATA

Frequency Response	50 Hz to 20k Hz, ± 3 dB
Sensitivity	99 dB @ 2.83V / 1M
Impedance	Mid-Hi – 8Ω / LF – 4Ω
Power Handling	M/H: 1000 W long-term (AES-2) LF: 2000 W long-term (AES-2)
Maximum Output	123 dB long-term, 129 dB peak
Nominal Coverage	120° H x 35° V
Dimensions	height: 59.50" / 1511 mm width: 15.38" / 390 mm depth: 12.25" / 311 mm
Net Weight	108 lbs / 49.0 kg
Shipping Weight	121 lbs / 55.0 kg

DESCRIPTIVE DATA

System Configuration	Biamped hybrid integration of a curvilinear M/H line array and a staged low frequency dipole
Components & Loading	16 x 3.5" MF 16 x 3" ribbon HF 2 x 12" LF drivers
Recommended Crossover	4 th order Linkwitz-Riley @ 300 Hz
Recommended High-Pass Filter	4 th order Butterworth @ 40 Hz
Enclosure Type	Curvilinear array: sealed enclosure Dipole LF: tuned reflex enclosure
Enclosure Material	Steel, Aluminum & Baltic Birch Plywood
Finish	White or Black (custom colors available)
Connectors	NL4 & (2) dual binding head screws
Suspension Hardware	(2) 3/8-16 threaded points on each side; steel yoke included
Grille	Painted perforated steel (fabric-wrap available as an option)

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