

### 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 100 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



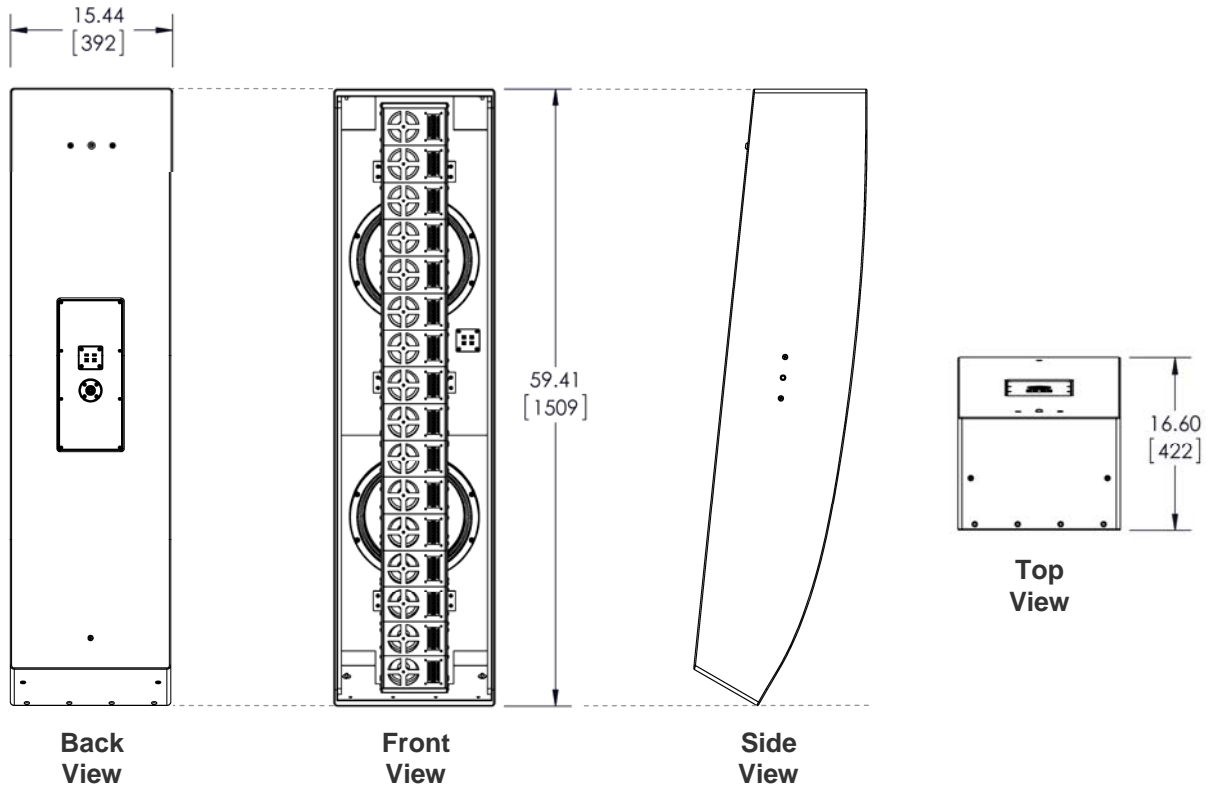
### NOMINAL DATA

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: 59.47" / 1511 mm width: 15.50" / 394 mm depth: 10.87" / 276 mm
Net Weight	108 lbs / 49.1 kg
Shipping Weight	121 lbs / 55.0 kg

### DESCRIPTIVE DATA

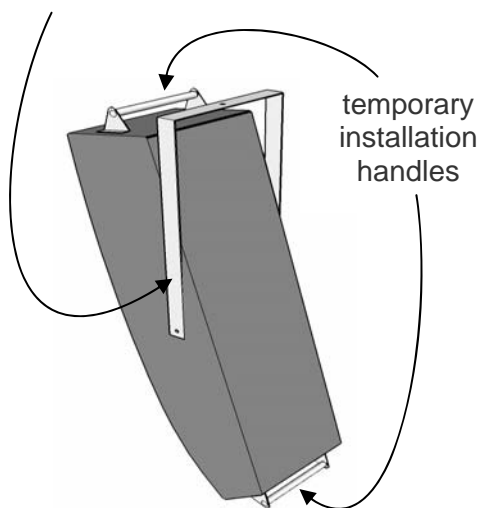
System Configuration	Biamped hybrid integration of a curvilinear M/H line array and a staged low frequency dipole
Components & Loading	16 x 3.5" MF 16 x 3" ribbon HF 2 x 12" LF drivers
Recommended Crossover	4 <sup>th</sup> order Linkwitz-Riley @ 300 Hz
Recommended High-Pass Filter	4 <sup>th</sup> order 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)

## DIMENSIONAL DRAWINGS

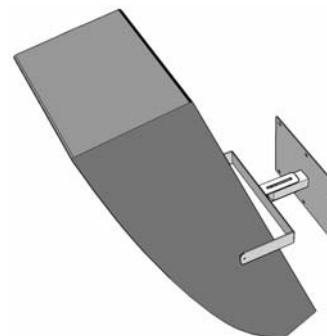


## INCLUDED HARDWARE

### U-bracket



## OPTIONAL ACCESSORY



**Wall-Mount**  
HLA-16-WM

Powered HLA – with On-Board DSP

## DESCRIPTION

The **HLA-16P** is a hybrid integration of a sixteen element J-array loudspeaker and a dipole directional low frequency loudspeaker. It is powered by two internal 1000W amplifiers with an on-board DSP. 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 100 Hz via staged dipole
- power & DSP by Powersoft®
- -3 dB low frequency response 50 Hz
- effective projection to 100 feet

### APPLICATIONS:

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

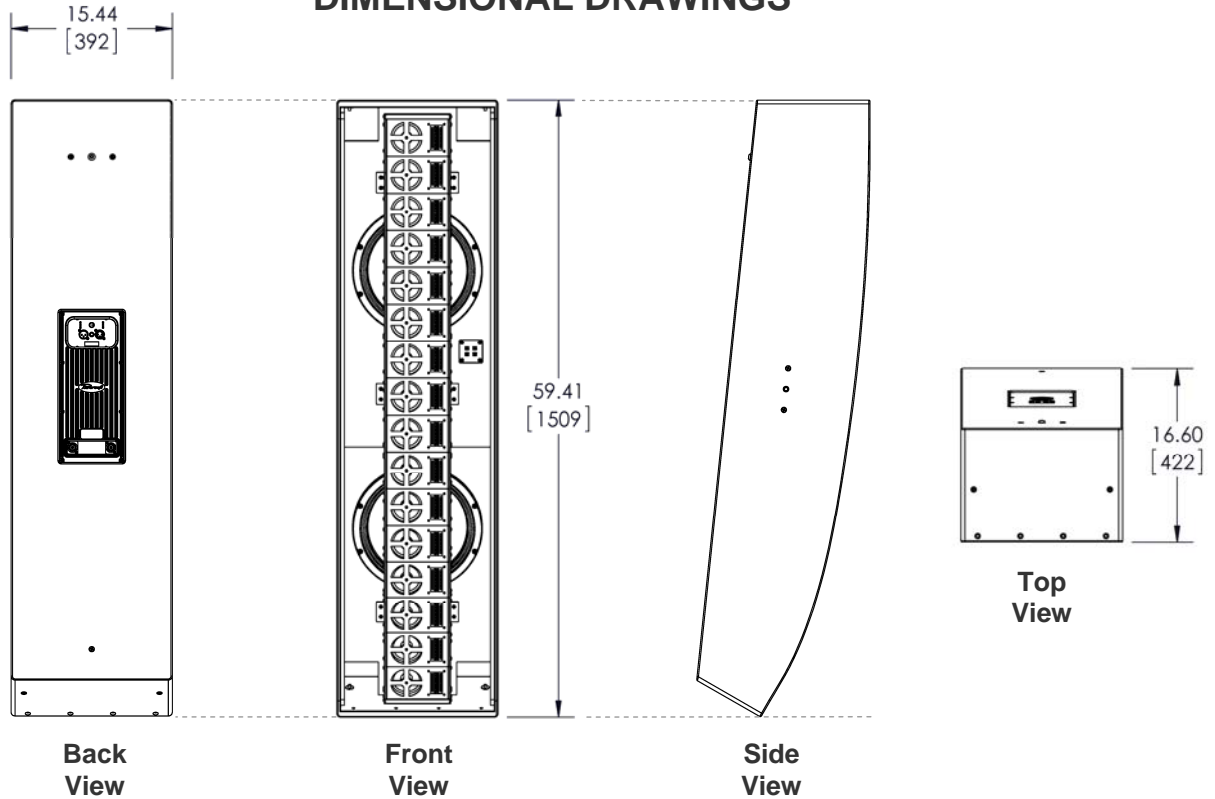
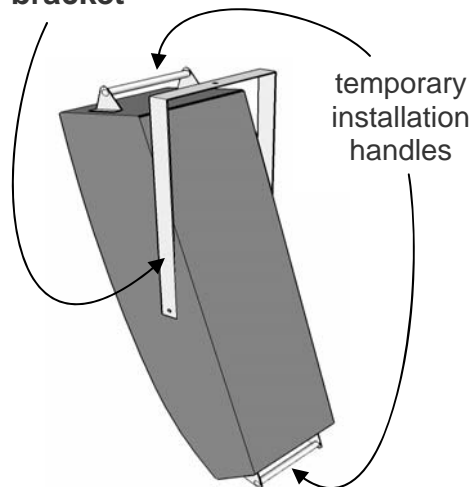


## NOMINAL DATA

Frequency Response	50 Hz to 20k Hz, ± 3 dB
Power	M/H: 1000 W RMS LF: 1000 W RMS
Maximum Output	121 dB long-term, 127 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	114 lbs / 52.0 kg
Shipping Weight	127 lbs / 58.0 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
Input	Balanced line level with XLR and XLR loop through
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)
Suspension Hardware	(2) 3/8-16 threaded points on each side; steel yoke included
Grille	Painted perforated steel (fabric-wrap available as an option)

**DIMENSIONAL DRAWINGS****INCLUDED HARDWARE****U-bracket****OPTIONAL ACCESSORY**