The CLA-1650 is a sixteen element J-array loudspeaker. It has sixteen 3.5\" mid-frequency drivers and sixteen ribbon high frequency drivers. Designed as a “delay fill” loudspeaker for more steeply raked seating, it extends the effective projection of a main loudspeaker array, and it can also be used as a stand-alone voice range speaker.

The CLA-1650 has been preconfigured in an asymmetrical 50° V by 120° H coverage pattern with vertical directivity to 300 Hz, and low frequency response to 100 Hz. A single CLA-1650 can provide voice range coverage of both the front row and seats as far as 100 feet away with exceptional clarity and detail. As a delay fill loudspeaker it can extend the projection of a main loudspeaker array to beyond 175 feet.

**KEY FEATURES:**
- asymmetrical 50° V x 120° H coverage
- vertical control to 300 Hz
- -3 dB low frequency response 100 Hz
- effective projection to 100 feet

**APPLICATIONS:**
- churches
- lecture halls
- presentation spaces
- performing arts centers

**DESCRIPTIVE DATA**

- **System Configuration:** curvilinear M/H line array
- **Components & Loading:**
  - 16 x 3.5” MF
  - 16 x 3” ribbon HF
- **High-Pass Filter**
  - 4th order Butterworth @150 Hz (recommended minimum)
- **Enclosure Type:** Curvilinear array: sealed enclosure
- **Enclosure Material:** Steel, Aluminum & Baltic Birch Plywood
- **Finish:** White or Black (custom colors available)
- **Connectors:** 2-pole Phoenix connector
- **Suspension Hardware:** (2) 3/8-16 threaded points on each side; steel yoke included
- **Grille:** Painted perforated steel

**NOMINAL DATA**

- **Frequency Response:** 100 Hz to 20kHz, ± 3 dB
- **Sensitivity:** 98 dB @ 2.83 V / 1M
- **Impedance:** 8Ω
- **Power Handling:** 1500 W long-term (AES-2)
- **Maximum Output:** 123 dB long-term, 129 dB peak
- **Nominal Coverage:** 120° H x 50° V
- **Dimensions:**
  - height: 56.20” / 1427 mm
  - width: 8.43” / 214 mm
  - depth: 3.76” / 96 mm
- **Net Weight:** 31 lbs / 14.0 kg
- **Shipping Weight:** 42 lbs / 19.0 kg
Curvilinear Line Array™ Series –

CLA-1650

DIMENSIONAL DRAWINGS

3.76”
(96 mm)

8.43”
(214 mm)

56.20”
(1427 mm)

19.90”
(505 mm)

INCLUDED HARDWARE

U-bracket

296 North Pascal Street
Saint Paul MN 55104

innovoxaudio.com

PROUDLY MADE IN THE U.S.A.